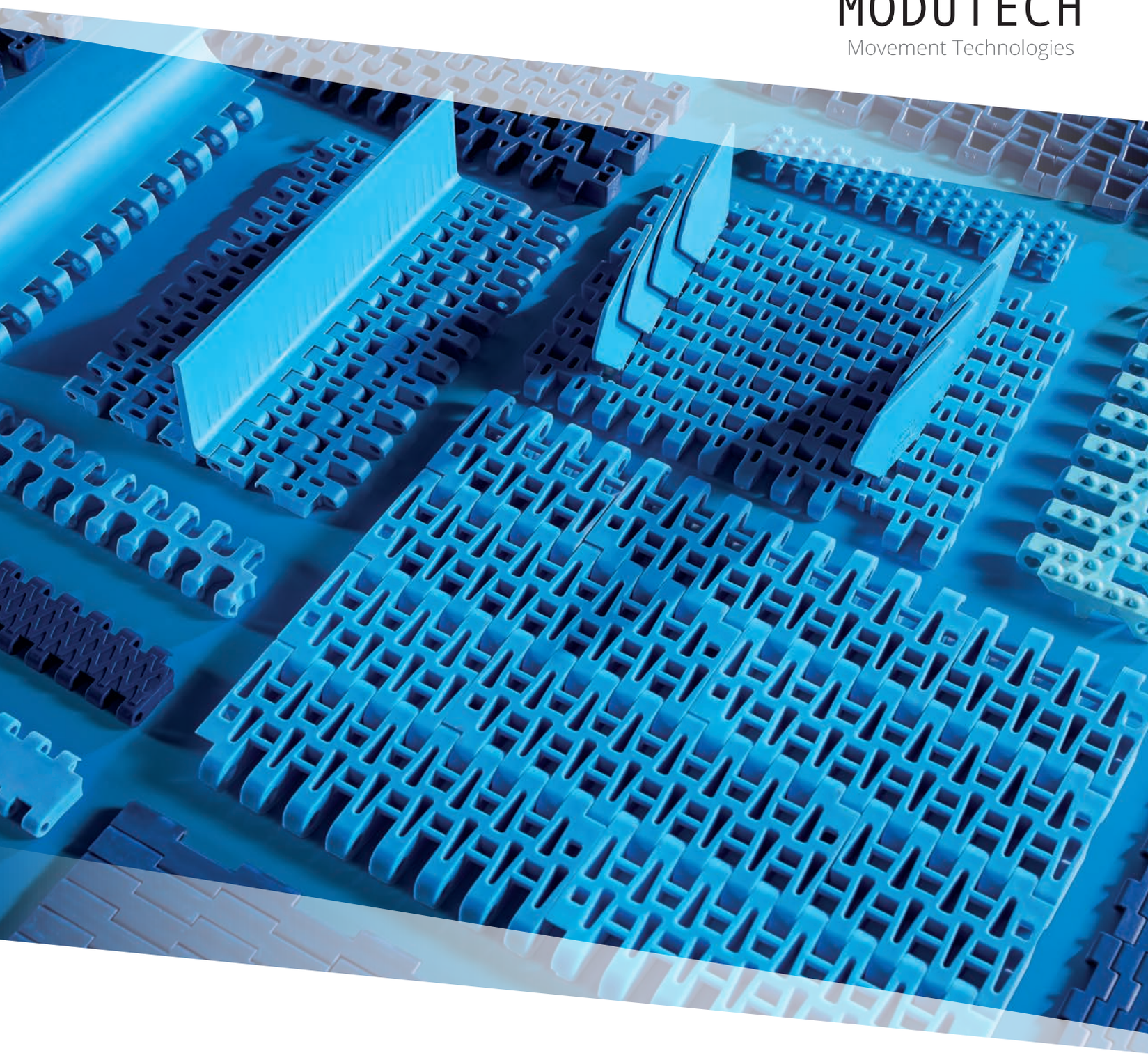
MODUTECH®
Movement Technologies

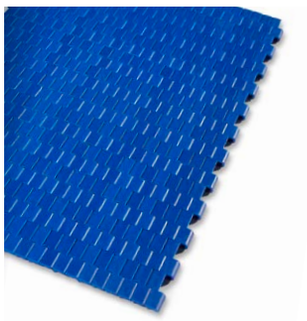


Modular Belt Product Catalog

www.modutech.com.tr

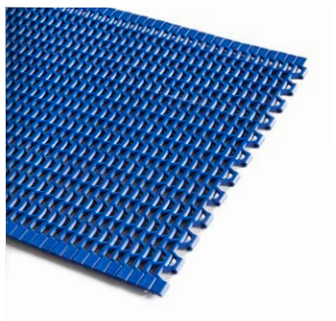
MODUTECH®

Movement Technologies



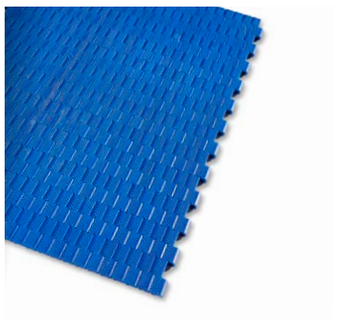
MP80 C
Micropitch Belt Series

16-17



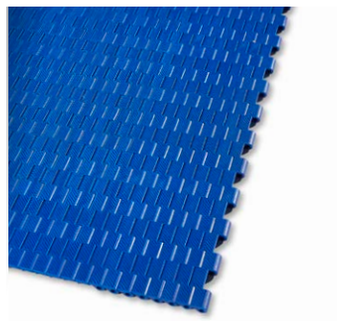
MP80 FG
Micropitch Belt Series

18-19



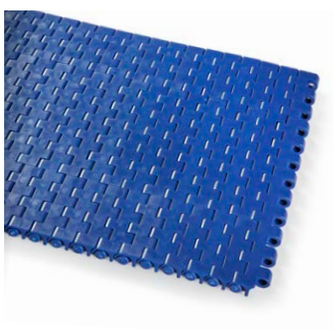
MP80 NS
Micropitch Belt Series

20-21



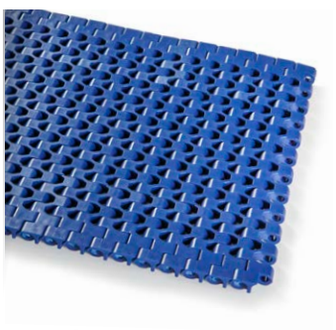
MP80 NP
Micropitch Belt Series

22-23



EC127 C

30-31

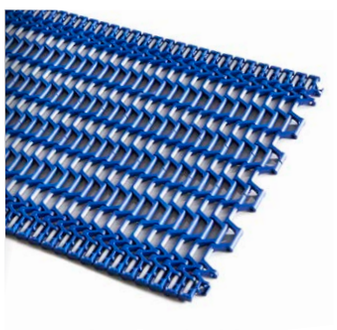


EC127 FG

32-33

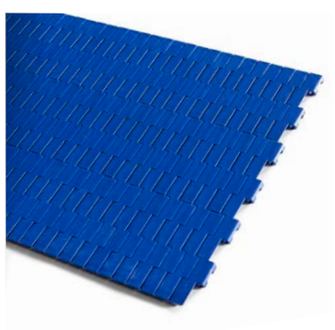
EC127 GT

34-35



MD127 GAP50%

42-43



HC127 C

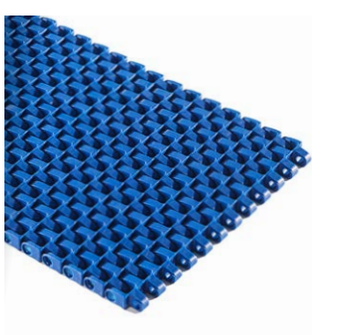
48-49

SM127 C

54-55

SM127 FG

56-57

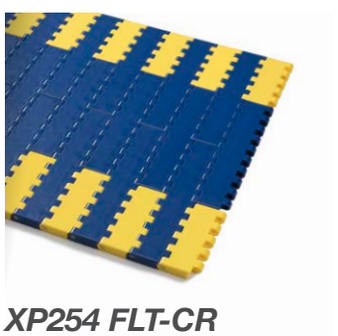


SM127 CRV

58-59

XP254 CR
Corrugated & Logistic Belt Series

64-65



XP254 FLT-CR
Corrugated & Logistic Belt Series

66-67

XP254 C

70-71

XP254 PR22%

72-73

XP254 FG

74-75

XP254 GT

76-77

XP254 BT

78-79

EC254 C

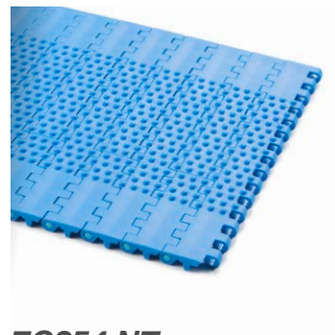
86-87

EC254 GT

88-89

EC254 PR16%

90-91



EC254 NT

92-93

HD254 C

100-101

MD254 FG

106-107

MD254 FG-RT

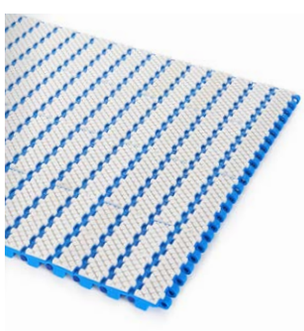
108-109

MD254 C

110-111

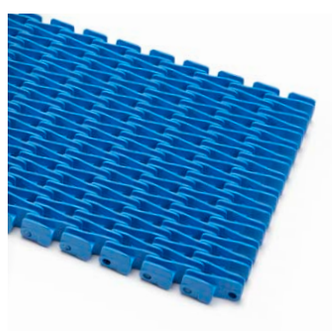
MD254 C-RT

112-113



MD254 GT

114-115



MD254 RR

116-117

MD254 GAP48%

118-119

MD254 GAP48%-EHT

120-121

HC508 C-MTW

130-131

EC508 C

134-135

EC508 C-RT

136-137

EC508 GT

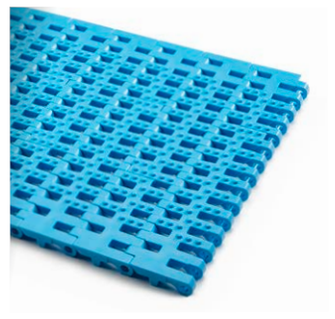
138-139

EC508 PR22%

140-141

EC508 FG

142-143



EC508 FG-NT

144-145

EC508 PR11%

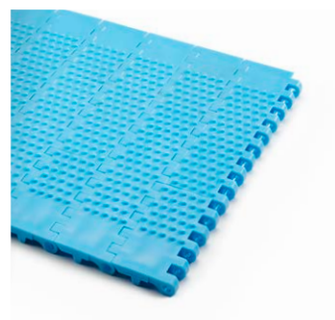
146-147

EC508 PR13%

148-149

EC508 DT

150-151



EC508 NT

152-153

MD508 C

160-161

MD508 C-RT

162-163

MD508 FG

164-165

MD508 FG-RT

166-167

MD508 PR25%

168-169

MD508 NS

170-171

HP508 RR

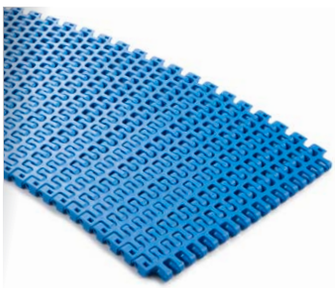
178-179

HP508 FG
Battery Belt

180-181

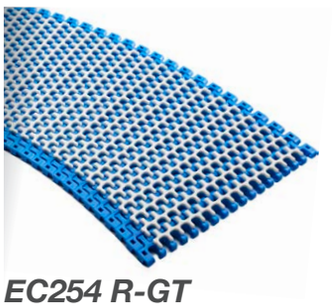
HP508 C

182-183



EC254 R
Radius Belt 2,1

190-191



EC254 R-GT
Radius Belt 2,1 with friction surface

192-193

EC254T R
Tight Radius Belt 1,4

198-199

EC381 R
Radius Belt

206-207

EC508T R
Tight Radius Belt 1,5

214-215

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224-240

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241-242

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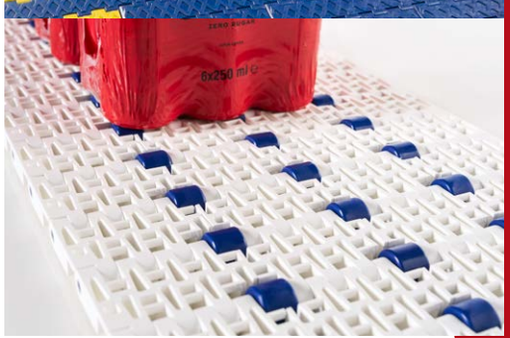


Faster, Better, Stronger.

As Modutech, one of the leading company in the plastic modular belt industry, we continue to grow rapidly. Operating in 2 factories with a combined 15.000m² of closed production area, we offer exceptional service and just-on-time delivery privileges to our valued customers. To ensure your satisfaction, we always focus on providing excellent products and service quality.

Our experienced team operates 24/7 in three shifts just to meet your demands and urgent requests. With the new Modutech facility we have doubled our production and stock capacity while maintaining the same product quality. We are expanding our product range day by day according to worldwide quality standards.

We proudly reach the globe with our products. Fuelled by our flexibility, quality, and comprehensive pre-sales and after-sales services, we establish long-term partnerships with our distributors, original equipment manufacturers, and industrial companies. Exporting to over 75 countries through more than 50 distributorships spanning 6 continents.

Today we carry your business into the future, just as we did yesterday.

Flexibility for various applications

Modular Belts are more durable, flexible and efficient than traditional conveyor belts because of their material and functional solutions.

Modutech Modular Belts are constructed of plastic modules. They are secured with full- length hinge rods and driven through plastic sprockets which allows customization with a variety of flights, side guards and accessories. In addition, with the advantages of resilience in difficult environments (sterilization, low maintanence) and easy installation; modular belts offer high performance even in various applications.

Here are our applications for various industries:
- fruit and vegetable applications
- meat, poultry and seafood applications
- bakery and pasta applications
- beverage applications
- can applications
- corrugated applications

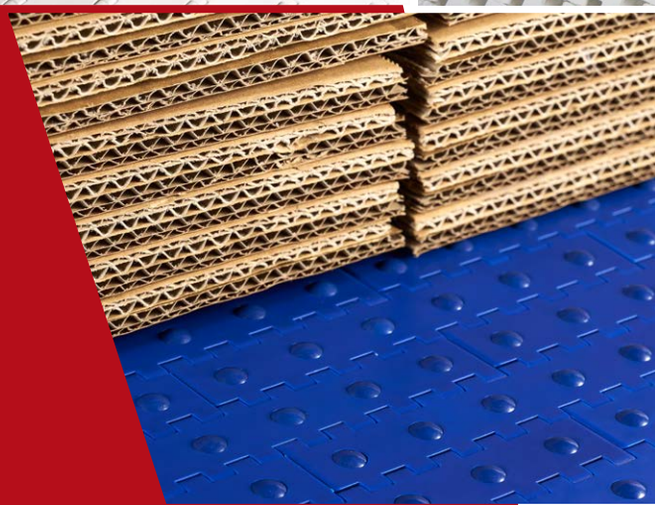
Modutech Modular Belts ensures quality

We rely on standardisation by producing plastic modular belts from design to plastic moulding and assembling at acceptable standards. With the high quality materials combined with ultimate engineering offers us specialization in the production of plastic modular belts. We ensure this quality through complying with FDA and EU regulations. These regulations provides precise manufacturing process and high performance conveyor belts.

High Quality Materials

Best material ensures superior product quality and performance. Because of the material quality, change in temperatures can be easily handled through operations. We offer you standard materials like PP, PE, POM (acetal) and special materials such as detectable, antistatic, flame retardant, extra high temperature, hot water resistant, reinforced and low friction.

Various Industries Need Special Solutions

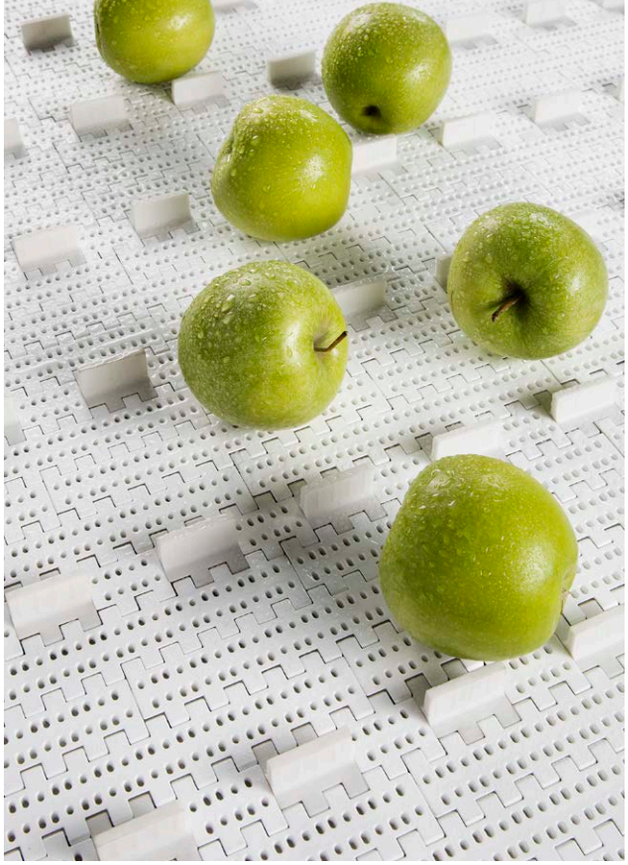


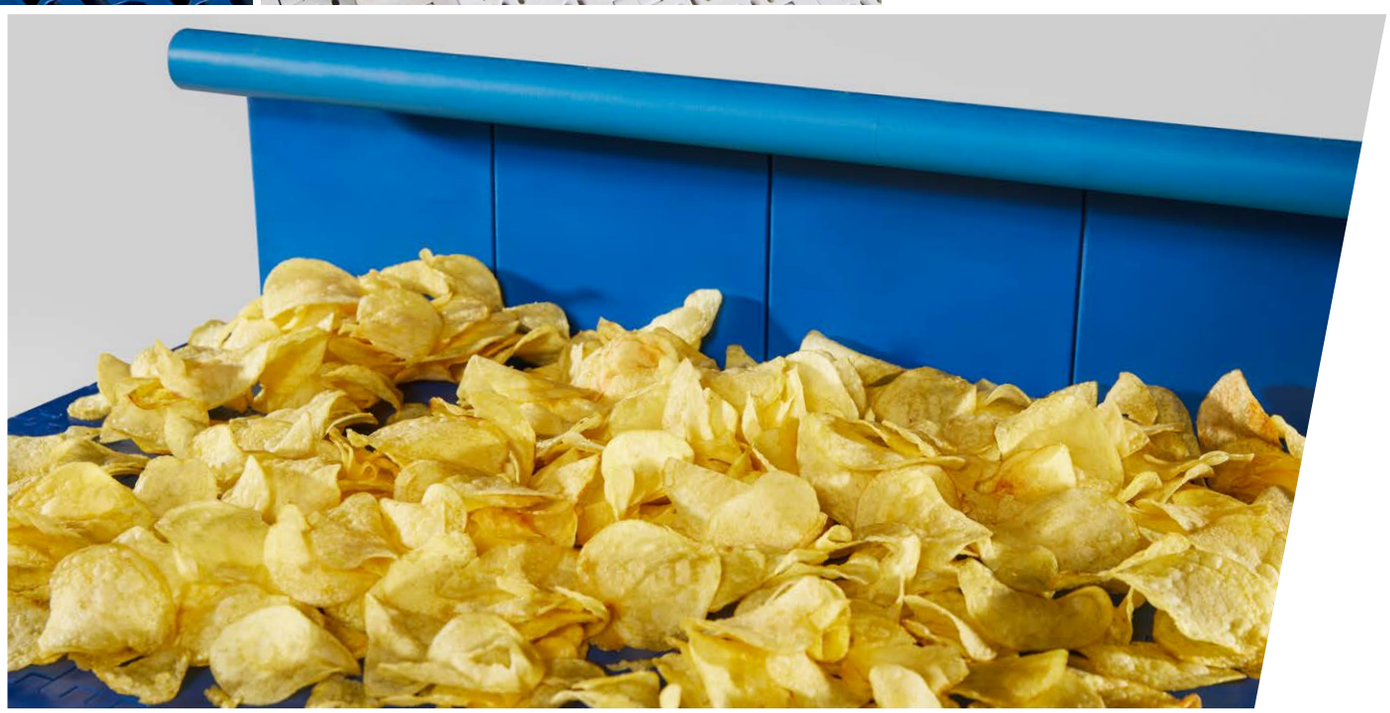
We offer combinable designs, materials and accessories for specific industries. Because, different working environments require specific solutions. Hygiene in case of bacteria retention is the key for food industry. Cleanliness standards are ensured through FDA and EU regulations. During manufacturing process, easy to clean and low maintenance helps you to keep these standards.

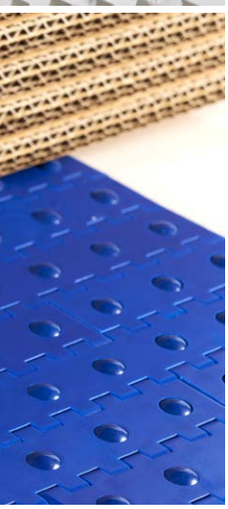
FDA

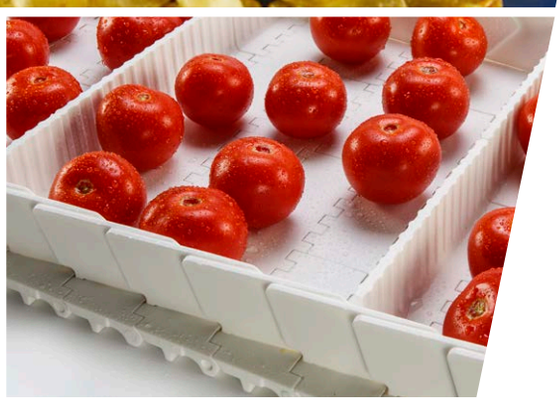
(Regulation EU/10 /2011)

MODUTECH









Customer satisfaction based on qualified manufacturing


WAREHOUSE
MODUTECH


WAREHOUSE
MODUTECH

MODUTECH®

MP80

Micro Pitch Modular Belt Series

MP80 C
MP80 FG
MP80 NS / Non-Slip
MP80 NP / Negative Pyramide
Sprockets
Engineering Information

FDA

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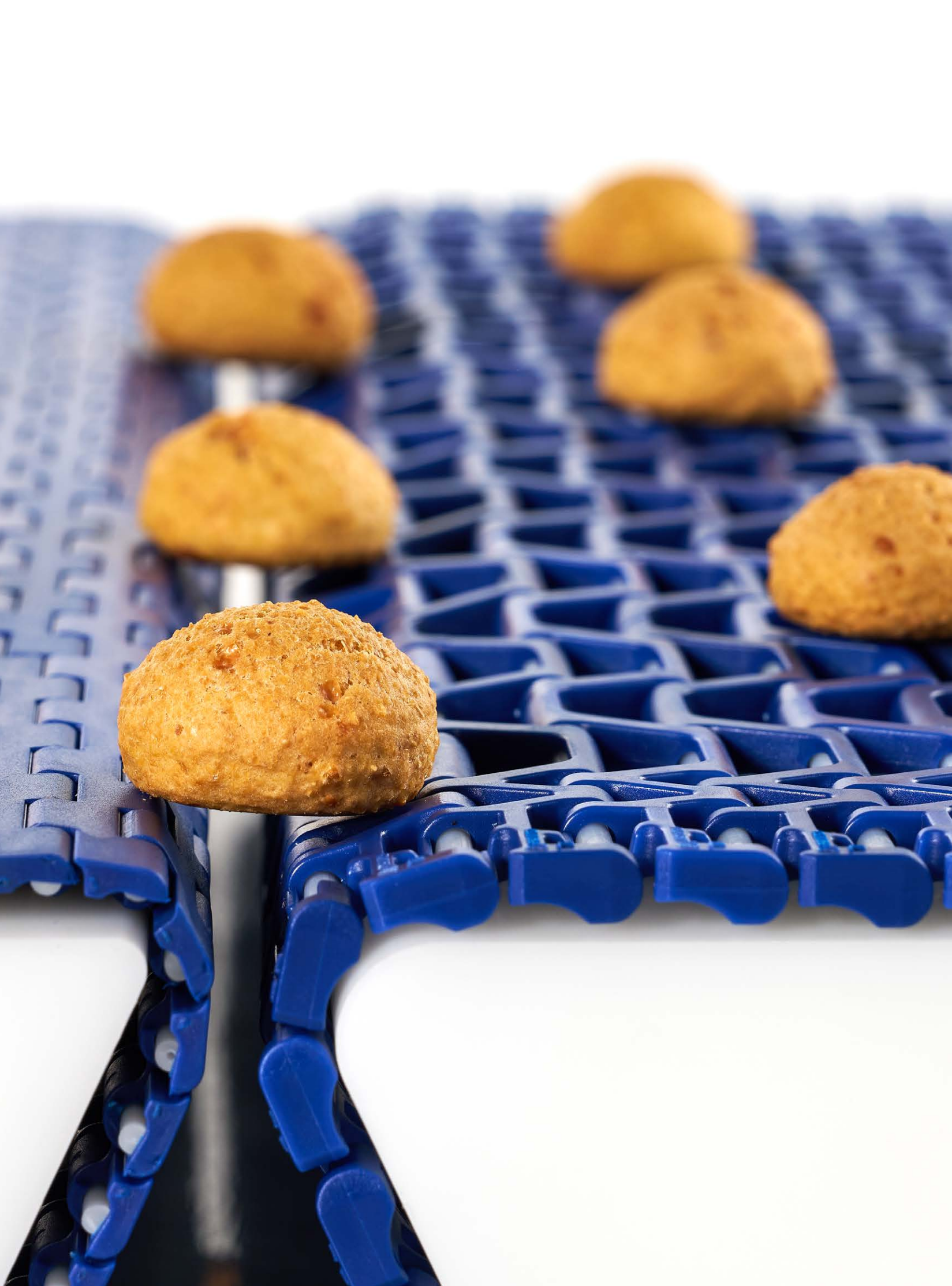


MP80 C

Micro Pitch Modular Belt Series

- **Bakery Applications**

Row Dough Handling, Divider, Proofer Lines, Laminating Lines

- **Meat Applications**

Transfer - Crossover Conveyance and Metal Detectors

- **Seafood Applications**

Grading Lines and Weighing Lines

- **Fruits and Vegetables Applications**

Control and Sorting Tables

- **Snack Food Applications**

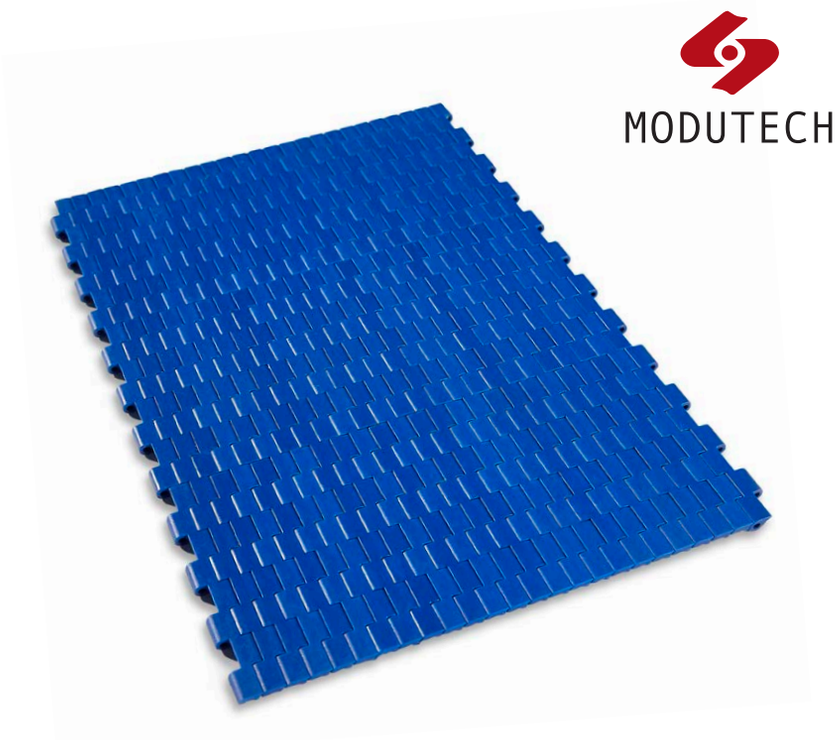
Cooling Lines

- **Beverage Applications**

Box Transfer

MP80 C

Pitch:	8 mm / **0.315 inch**
Belt Surface:	Close, Smooth Surface
Minimum Width:	101,6 mm / **4 inch**
Open Area (%):	0%
Flight:	No
Sidewall:	No
Pin:	Ø3 mm / **0.118 inch**
Approved:	FDA and EU
Color:	Blue
Cleanability:	Good
Min. Nosebar Diameter:	6 mm / **0.236 inch**

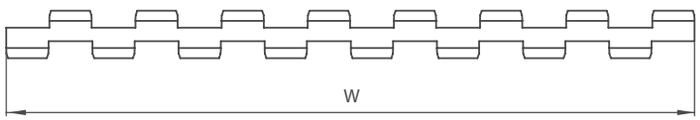


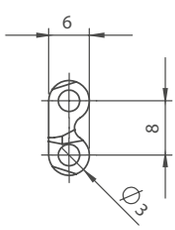
MP80 C Technical Information

Belt Material		**POM**	**POM**
Pin Material		**PA**	**POM**
Belt Strength	N/m | **lb/ft**	2750 - **188**	2750 - **188**
Temperature	°C **°F**	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**
Belt Weight	kg/m² | **lb/sqft²**	5.4 / **1.11**	5.4 / **1.11**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
6	**0.24**	50	**2**	50	**2**	-	**-**	-	**-**

Belth Width mm	101,6	203,2	304,2	406,4	508,0	609,6	711,2	812,8	914,4	1016,0	1117,6	1219,2	1320,8	1422,4	1524,0	1625,6	1727,2
Belth Width inch	**4.00**	**8.00**	**12.00**	**16.00**	**20.00**	**24.00**	**28.00**	**32.00**	**36.00**	**40.00**	**44.00**	**48.00**	**52.00**	**56.00**	**60.00**	**64.00**	**68.00**
Belth Width mm	1828,8	1930,4	2032,0	2133,6													
Belth Width inch	**72.00**	**76.00**	**80.00**	**84.00**													



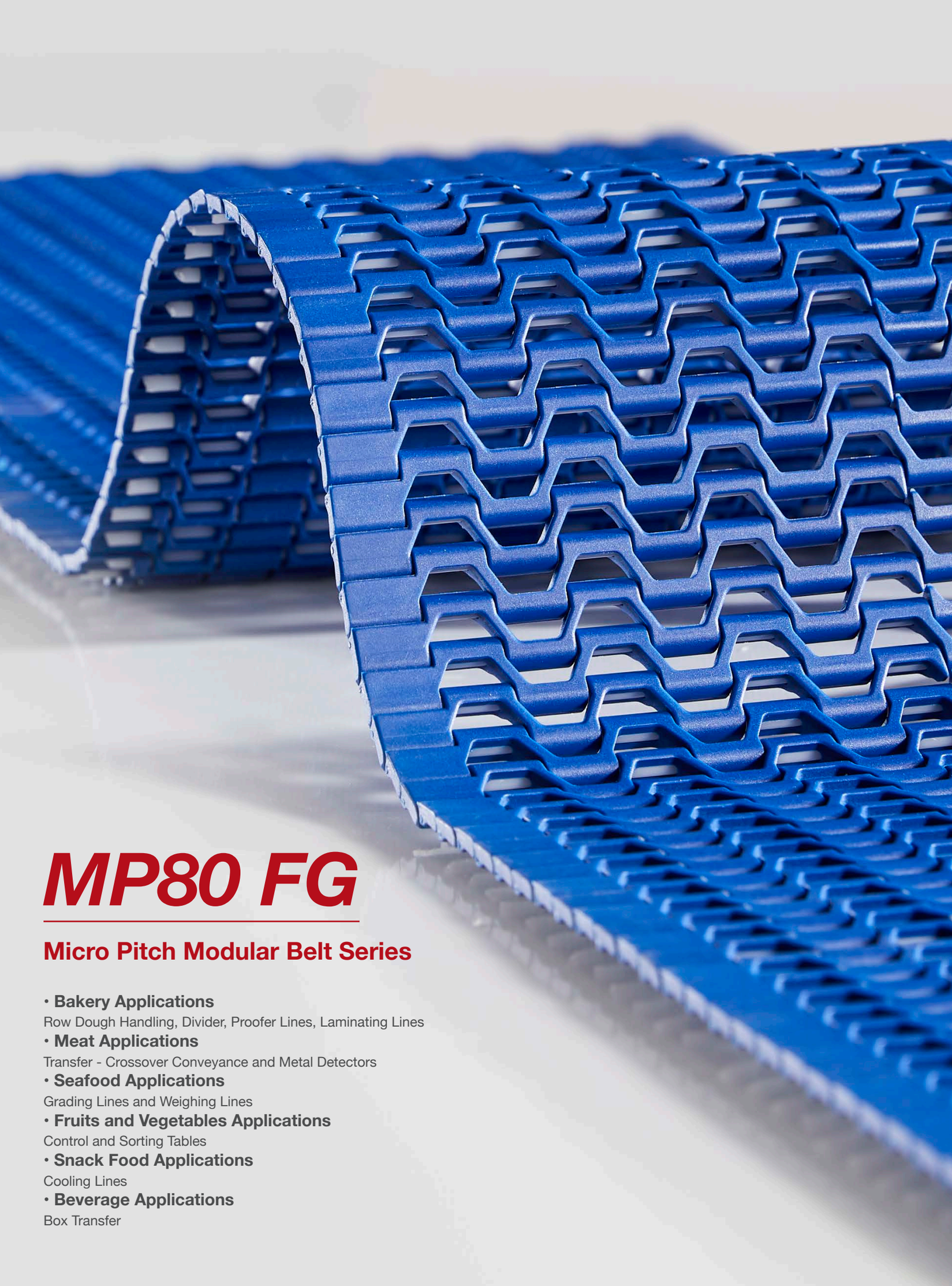


Product Features and Functional Benefits

- Micro pitch series with small transfer gaps for tight transfer.
- Belt and sprocket design ensures superior load transmission and belt pull capacity.
- Headless pin making it very easy to install and remove the belt for maintenance.
- Designed to run over nosebars/knife edges or rollers.

Important Notes

- **Standard belt increments 101,6 mm.**
- **Non-standard belt increments 25,4 mm.**
- Please contact with customer service for precise belt measurements.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- For POM material up to 750 mm (30") -2 mm to 1 mm and -0.35% to 0% for wider belts.



MP80 FG

Micro Pitch Modular Belt Series

- **Bakery Applications**

Row Dough Handling, Divider, Proofer Lines, Laminating Lines

- **Meat Applications**

Transfer - Crossover Conveyance and Metal Detectors

- **Seafood Applications**

Grading Lines and Weighing Lines

- **Fruits and Vegetables Applications**

Control and Sorting Tables

- **Snack Food Applications**

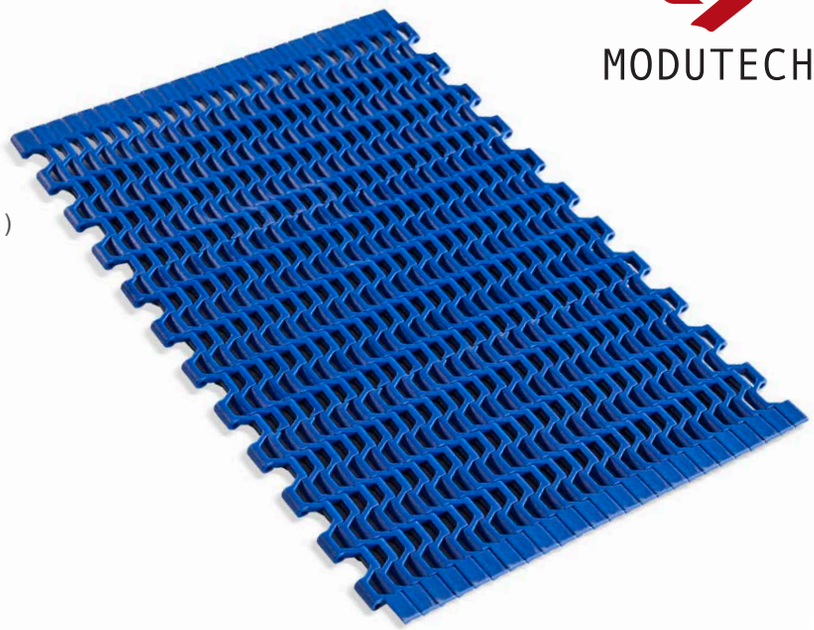
Cooling Lines

- **Beverage Applications**

Box Transfer

MP80 FG

Pitch:	8 mm / **0.315 inch**
Belt Surface:	Open, Smooth Surface
Minimum Width:	101,6 mm / **4 inch**
Open Area (%):	34%. (Biggest opening 6,5 x 13 mm)
Flight:	No
Sidewall:	No
Pin:	Ø3 mm / **0.118 inch**
Approved:	FDA and EU
Color:	Blue
Cleanability:	Good
Min. Nosebar Diameter:	6 mm / **0.236 inch**

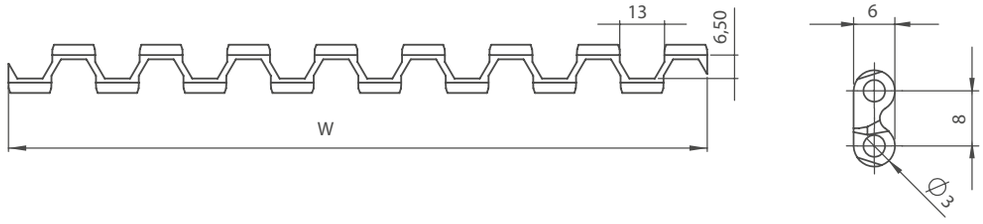


MP80 FG Technical Information

Belt Material		**POM**	**POM**
Pin Material		**PA**	**POM**
Belt Strength	N/m | **lb/ft**	2650 - **181**	2650 - **181**
Temperature	˚C **˚F**	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**
Belt Weight	kg/m² | **lb/sqft²**	4.4 / **0.9**	4.4 / **0.9**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
6	**0.24**	50	**2**	50	**2**	-	**-**	-	**-**

Belth Width mm	101,6	203,2	304,2	406,4	508,0	609,6	711,2	812,8	914,4	1016,0	1117,6	1219,2	1320,8	1422,4	1524,0	1625,6	1727,2
Belth Width inch	**4.00**	**8.00**	**12.00**	**16.00**	**20.00**	**24.00**	**28.00**	**32.00**	**36.00**	**40.00**	**44.00**	**48.00**	**52.00**	**56.00**	**60.00**	**64.00**	**68.00**
Belth Width mm	1828,8	1930,4	2032,0	2133,6													
Belth Width inch	**72.00**	**76.00**	**80.00**	**84.00**													



Product Features and Functional Benefits

- Micro pitch series with small transfer gaps for tight transfer.
- Designed to run over nosebars/knife edges or rollers.
- Versatile for conveying, drying and cooling applications.
- Optimal design of sprocket teeth, and belt underside provides superior sprocket engagement, safe belt tracking and favorable cleanability.
- Headless pin making it very easy to install and remove the belt for maintenance.

Important Notes

- **Standard belt increments 101,6 mm.**
- **Non-standard belt increments 25,4 mm.**
- Please contact with customer service for precise belt measurements.
- Physical belt widths are generally 0.1% to 0.3% smaller.

MP80 NS

Micro Pitch Modular Belt Series

- **Bakery Applications**

Row Dough Handling, Divider, Proofer Lines, Laminating Lines

- **Meat Applications**

Transfer - Crossover Conveyance and Metal Detectors

- **Seafood Applications**

Grading Lines and Weighing Lines

- **Fruits and Vegetables Applications**

Control and Sorting Tables

- **Snack Food Applications**

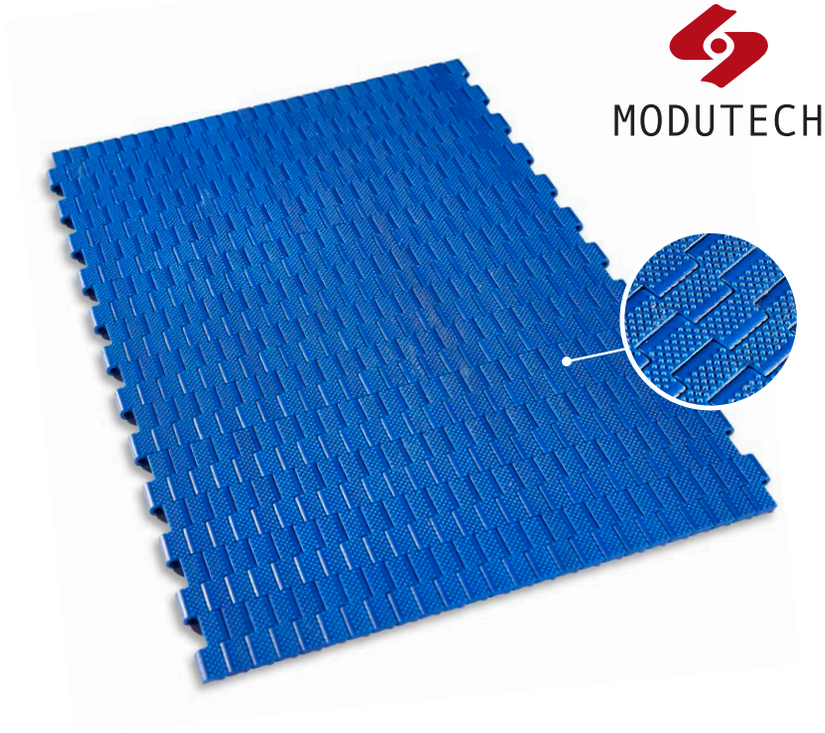
Cooling Lines

- **Beverage Applications**

Box Transfer

MP80 NS

Pitch:	8 mm / **0.315 inch**
Belt Surface:	Close, Non-Slip Surface
Minimum Width:	101,6 mm / **4 inch**
Open Area (%):	0%
Flight:	No
Sidewall:	No
Pin:	Ø3 mm / **0.118 inch**
Approved:	FDA and EU
Color:	Blue
Cleanability:	Good
Min. Nosebar Diameter:	6,4 mm / **0.252 inch**

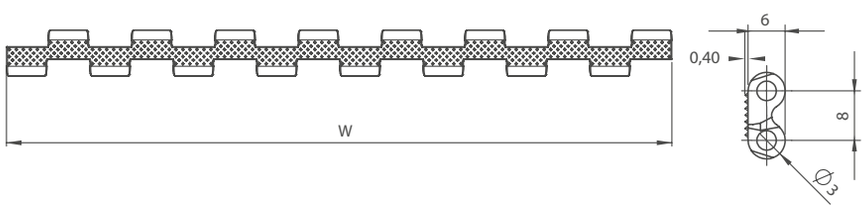


MP80 NP Technical Information

Belt Material		**POM**	**POM**
Pin Material		**PA**	**POM**
Belt Strength	N/m | **lb/ft**	2750 - **188**	2750 - **188**
Temperature	°C **°F**	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**
Belt Weight	kg/m² | **lb/sqft²**	5.4 / **1.11**	5.4 / **1.11**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
6	**0.24**	50	**2**	50	**2**	-	**-**	-	**-**

Belth Width mm	101,6	203,2	304,2	406,4	508,0	609,6	711,2	812,8	914,4	1016,0	1117,6	1219,2	1320,8	1422,4	1524,0	1625,6	1727,2
Belth Width inch	**4.00**	**8.00**	**12.00**	**16.00**	**20.00**	**24.00**	**28.00**	**32.00**	**36.00**	**40.00**	**44.00**	**48.00**	**52.00**	**56.00**	**60.00**	**64.00**	**68.00**
Belth Width mm	1828,8	1930,4	2032,0	2133,6													
Belth Width inch	**72.00**	**76.00**	**80.00**	**84.00**													



Product Features and Functional Benefits

- Closed surface and pointed studs, cone top surface pattern for superior grip
- Micro pitch series with small transfer gaps for tight transfer.
- Designed to run over nosebars/knife edges or rollers.
- Optimal design of sprocket teeth, and belt underside provides superior sprocket engagement, safe belt tracking and favorable cleanability.
- Headless pin making it very easy to install and remove the belt for maintenance.

Important Notes

- Standard belt increments 101,6 mm.
- Non-standard belt increments 25,4 mm.
- Please contact with customer service for precise belt measurements.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- For POM material up to 750 mm (30") -2 mm to 1 mm and -0.35% to 0.1% for wider belts.

MP80 NP

Micro Pitch Modular Belt Series

- **Bakery Applications**

Row Dough Handling, Divider, Proofer Lines, Laminating Lines

- **Meat Applications**

Transfer - Crossover Conveyance and Metal Detectors

- **Seafood Applications**

Grading Lines and Weighing Lines

- **Fruits and Vegetables Applications**

Control and Sorting Tables

- **Snack Food Applications**

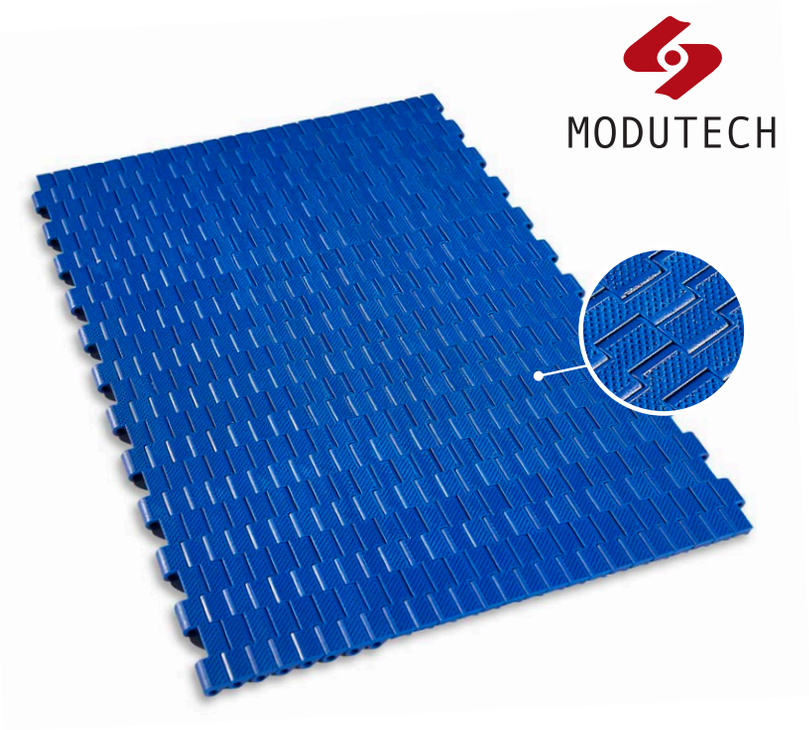
Cooling Lines

- **Beverage Applications**

Box Transfer

MP80 NP

Pitch:	8 mm / **0.315 inch**
Belt Surface:	Close, Negative Pyramid Surface
Minimum Width:	101,6 mm / **4 inch**
Open Area (%):	0%
Flight:	No
Sidewall:	No
Pin:	Ø3 mm / **0.118 inch**
Approved:	FDA and EU
Color:	Blue
Cleanability:	Good
Min. Nosebar Diameter:	6 mm / **0.236 inch**

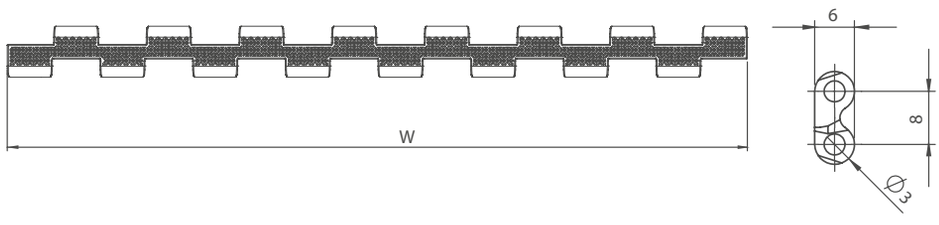


MP80 NP Technical Information

Belt Material		**POM**	**POM**
Pin Material		**PA**	**POM**
Belt Strength	N/m | **lb/ft**	2750 - **188**	2750 - **188**
Temperature	°C **°F**	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**
Belt Weight	kg/m² | **lb/sqft²**	5.4 / **1.11**	5.4 / **1.11**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
6	**0.24**	50	**2**	50	**2**	-	**-**	-	**-**

Belth Width mm	101,6	203,2	304,2	406,4	508,0	609,6	711,2	812,8	914,4	1016,0	1117,6	1219,2	1320,8	1422,4	1524,0	1625,6	1727,2
Belth Width inch	**4.00**	**8.00**	**12.00**	**16.00**	**20.00**	**24.00**	**28.00**	**32.00**	**36.00**	**40.00**	**44.00**	**48.00**	**52.00**	**56.00**	**60.00**	**64.00**	**68.00**
Belth Width mm	1828,8	1930,4	2032,0	2133,6													
Belth Width inch	**72.00**	**76.00**	**80.00**	**84.00**													



Product Features and Functional Benefits

- Closed surface with inverted pyramid pattern.
- Provides superb release characteristics when conveying wet or sticky products
- Micropitch series with small transfer gaps for tight transfer.
- Designed to run over nosebars/knife edges or rollers.
- Optimal design of sprocket teeth, and belt underside provides superior sprocket engagement, safe belt tracking and favorable cleanability.
- Headless pin making it very easy to install and remove the belt for maintenance.

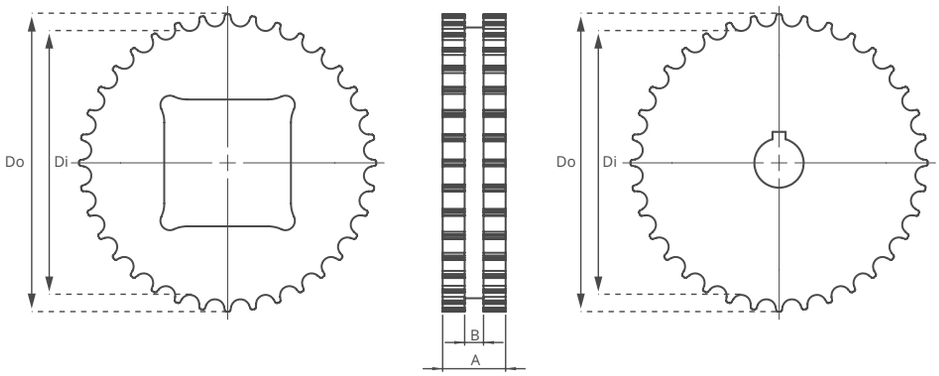
Important Notes

- Standard belt increments 101,6 mm.
- Non-standard belt increments 25,4 mm.
- Please contact with customer service for precise belt measurements.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- For POM material up to 750 mm (30") -2 mm to 1 mm and -0.35% to 0.1% for wider belts.

Micro Pitch Modular Belt Series

MP80 (Micro Pitch Series)
Technical Specifications

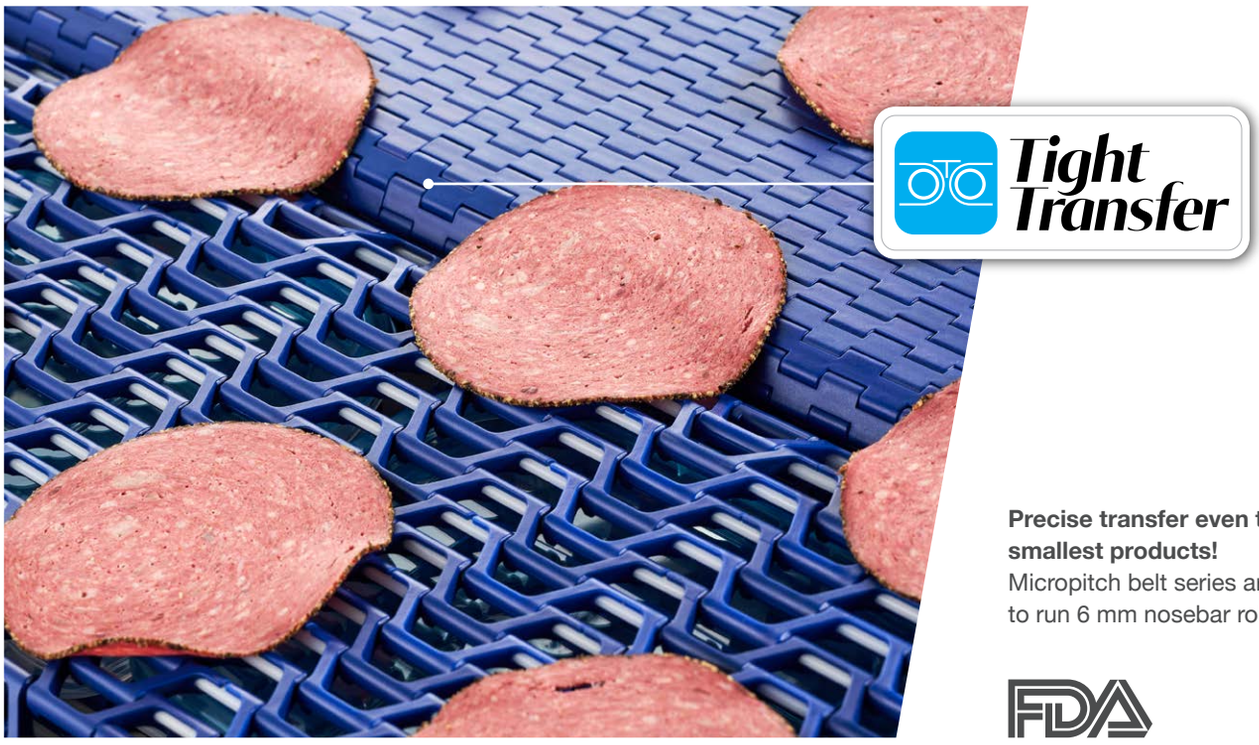
MODUTECH



MP80 Micro Pitch Series / Machined Sprockets Dimensions

NO.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)
Z18	40,9 / **1.61**	48,0 / **1.89**	6,0 / **0.23**	20 / **0.78**	20	-	20-25	1	MP80SQZ18	MP80SRZ18
Z24	56,4 / **2.22**	63,7 / **2.51**	6,0 / **0.23**	20 / **0.78**	25-30	**1-1.25**	25-30	**1-1.25**	MP80SQZ24	MP80SRZ24
Z36	87,5 / **3.44**	94,9 / **3.74**	6,0 / **0.23**	20 / **0.78**	40	**1.5**	25-30	**1-1.25**	MP80SQZ36	MP80SRZ36

*All required sprockets produced by CNC.
*Other sprockets and hub sizes are manufactured up to request.
*POM (Acetal) and PA (Polyamide) sprockets raw material is available on request.
***Machined Split Sprockets are avaliable for each size.**

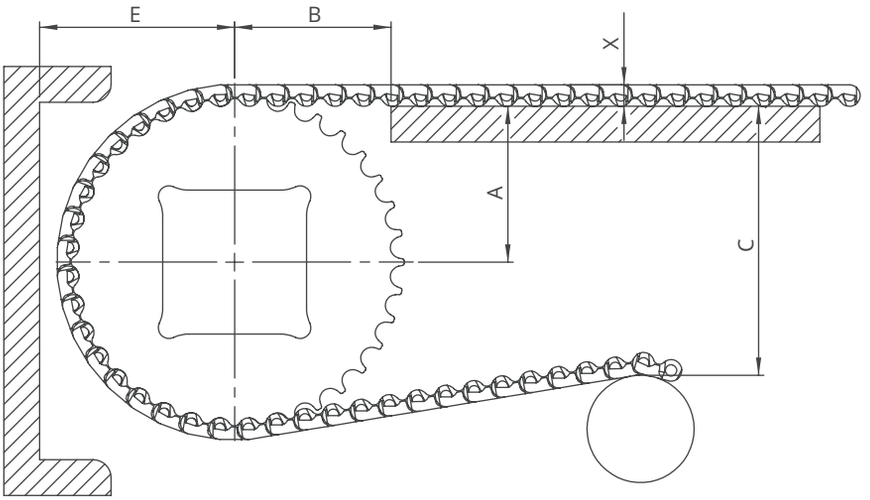


Precise transfer even the smallest products!
Micropitch belt series are suitable to run 6 mm nosebar roller.

FDA

MP80 Series
Engineering Information

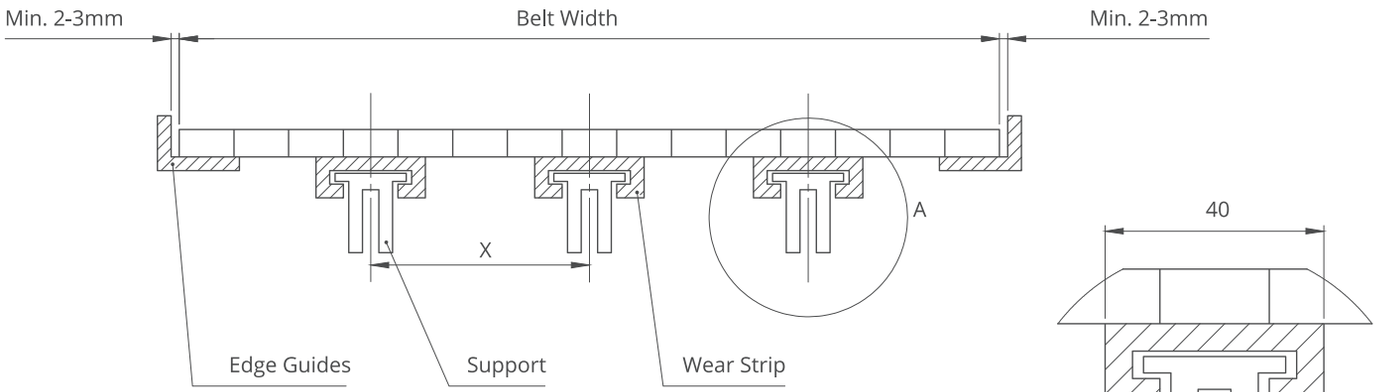
A - ± 0,031" (1mm)
B - ± 0,125" (3mm)
C - ± (Max.)
E - ± (Min.)



MP80 Series / Conveyor Frame Dimensions

Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)									
Inch	mm		**Inch**	mm	**Inch**	mm	**Inch**	mm	**Inch**	mm	**Inch**	mm
MP80 C, MP80 FG, MP80 NP, MP80 NS												
1.85	47,0	18	**0.81**	20,5	**1.18**	30,0	**1.12**	28,5	**1.24**	31,5	**0.24**	6,0
1.95	49,5	24	**1.11**	28,3	**1.38**	35,0	**1.73**	44,0	**1.55**	39,3	**0.24**	6,0
3.68	93,5	36	**1.72**	43,8	**1.77**	45,0	**2.95**	75,0	**2.16**	54,8	**0.24**	6,0

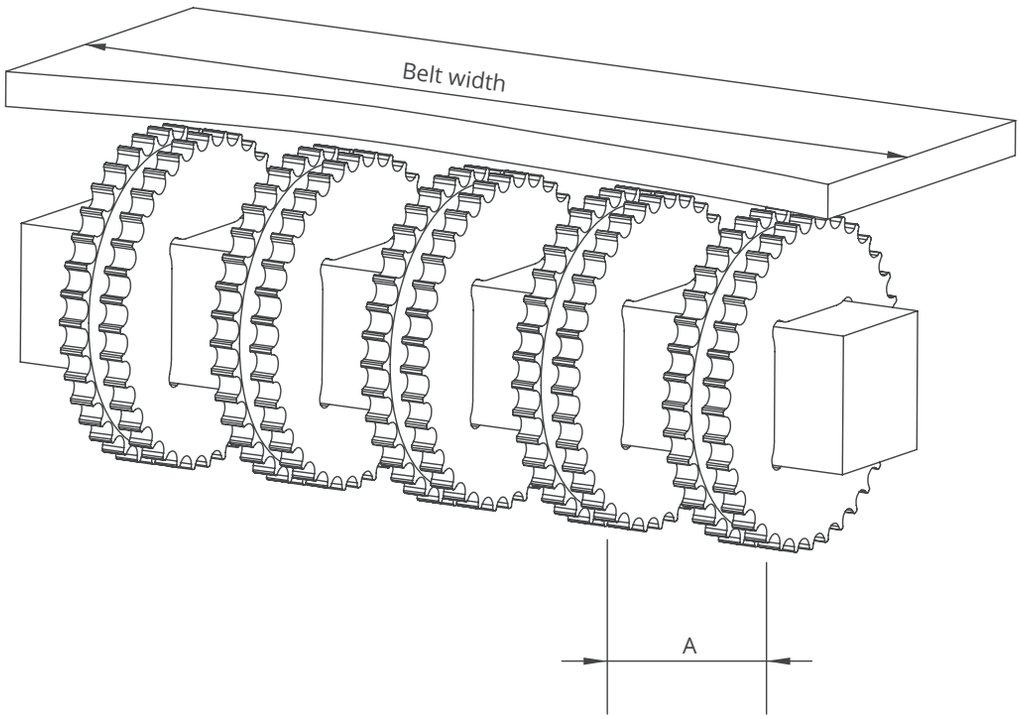
MP80 Series / Slider Support System For Straight Running Belts



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



MP80 Series / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/**inch**)	
mm	**inch**	Drive Shaft	Return Shaft	Min.	Max.
101,6	**4.0**	2	2	50/**2**	100/**4**
203,2	**8.0**	3	2	50/**2**	100/**4**
304,8	**12.0**	4	3	50/**2**	100/**4**
406,4	**16.0**	5	3	50/**2**	100/**4**
508,0	**20.0**	6	4	50/**2**	100/**4**
609,6	**24.0**	7	5	50/**2**	100/**4**
711,2	**28.0**	8	6	50/**2**	100/**4**
812,8	**32.0**	9	7	50/**2**	100/**4**
914,4	**36.0**	10	8	50/**2**	100/**4**
1016,0	**40.0**	11	9	50/**2**	100/**4**
1117,6	**44.0**	12	9	50/**2**	100/**4**
1219,2	**48.0**	13	10	50/**2**	100/**4**
1320,8	**52.0**	14	11	50/**2**	100/**4**
1422,4	**56.0**	14	11	50/**2**	100/**4**
1524,0	**60.0**	15	12	50/**2**	100/**4**
1625,6	**64.0**	16	12	50/**2**	100/**4**

MODUTECH®

EC127

Modular Belt Series

EC127 C
EC127 FG
EC127 GT / Friction Top
Sprockets & Accessories
Engineering Information

FDA

www.modutech.com.tr

EC127 C

Modular Belt Series

- **Bakery Applications**

Row Dough Handling, Divider, Proofer Lines, Laminating Lines

- **Meat Applications**

Transfer - Crossover Conveyance and Metal Detectors

- **Seafood Applications**

Grading Lines and Weighing Lines

- **Beverage Applications**

Depalletizers, Accumulation Tables and Acceleration Lines

- **Fruits and Vegetables Applications**

Control and Sorting Tables

- **Can Manufacturing Applications**

Including Palletizers, Mass Handling and Accumulation Tables

- **Tire Manufacturing Applications**

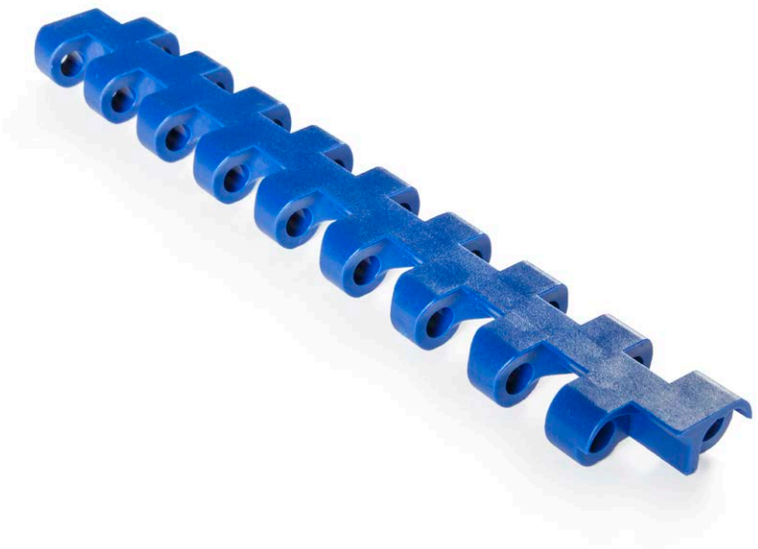
Scalling, Marking, Sciver Cementing, Water Blow - Off,
Tire Transport Horizontal

- **Corrugated Applications**

Down Stackers, Corrugator Take Off, Transfer Car

EC127 C

Pitch:	12,7 mm / **0.5 inch**
Belt Surface:	Close, Smooth Surface
Minimum Width:	50 mm / **1.97 inch**
Open Area (%):	0%
Flight:	Yes
Sidewall:	No
Pin:	Ø4,7 mm / **0.185 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Good
Belt Thickness:	10 mm / **0.394 inch**

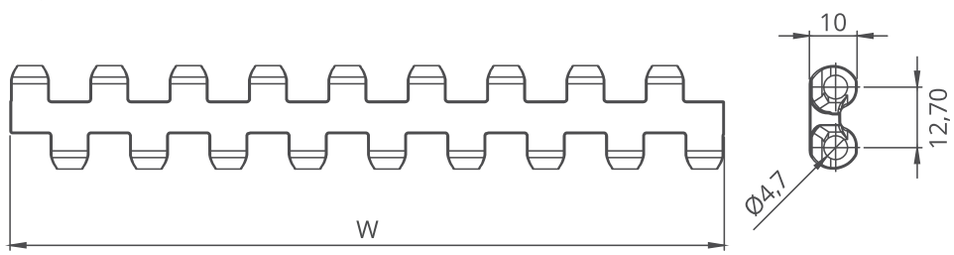


EC127 C Technical Information

Belt Material		**POM**	**POM**	**POM**	**PP**	**PP**	**PE**
Pin Material		**PA**	**POM**	**PP**	**PP**	**POM**	**POM**
Belt Strength	N/m | **lb/ft**	18000 - **1233**	17500 - **1199**	16000 - **1096**	11000 - **754**	13000 - **891**	10000 - **685**
Temperature	°C **°F**	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	+5 / +93 **+40 / +200**	+5 / +105 **+40 / +200**	+5 / +93 **+40 / +200**	-40 / +65 **-40 / +150**
Belt Weight	kg/m² | **lb/sqft²**	8.7 / **1.78**	8.7 / **1.78**	8.7 / **1.78**	5.8 / **1.20**	5.9 / **1.20**	6.4 / **1.31**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
18	**0.70**	50	**2**	75	**3**	150	**6**	-	**-**

Belth Width mm	50,0	100,0	150,0	200,0	250,0	300,0	350,0	400,0	450,0	500,0	550,0	600,0	650,0	700,0	750,0	800,0	850,0	900,0	950,0
Belth Width inch	**1.97**	**3.94**	**5.91**	**7.87**	**9.84**	**11.81**	**13.78**	**15.75**	**17.72**	**19.69**	**21.65**	**23.62**	**25.59**	**27.56**	**29.53**	**31.50**	**31.50**	**35.43**	**37.40**
Belth Width mm	1000,0	1050,0																	
Belth Width inch	**39.37**	**41.34**																	



Product Features and Functional Benefits

- Less vibration in high speed and nosebar applications.
- Wear resistance in high speed applications with tight transfer.
- Unique sprocket engagement reduces pulsation.
- Tight transfer applications.
- Tight transfer and high speed conveyors.

Important Notes

- **Standard belt increments 50 mm.**
- **Non-standard belt increments 16,6 mm.**
- Special raw materials and additional colors available.
- Please contact with customer service for precise belt measurements.
- For PP material up to 750 mm (30") -1 mm to 2 mm and 0% to 0.4% for wider belts.
- For POM material up to 750 mm (30") -3 mm to 0 mm and -0.35% to 0.1% for wider belts.

EC127 FG

Modular Belt Series

- **Bakery Applications**

Divider, Oven Infeed - Outfeed, Cooling Lines, Coating Lines, Glazing Lines

- **Poultry Applications**

Breeding Lines and Grading Lines, Weighing Lines

- **Seafood Applicaitons**

Breeding Lines, Grading Lines and Weighing Lines

- **Snack Food Applications**

Cooling Lines

- **Fruits and Vegetables Applications**

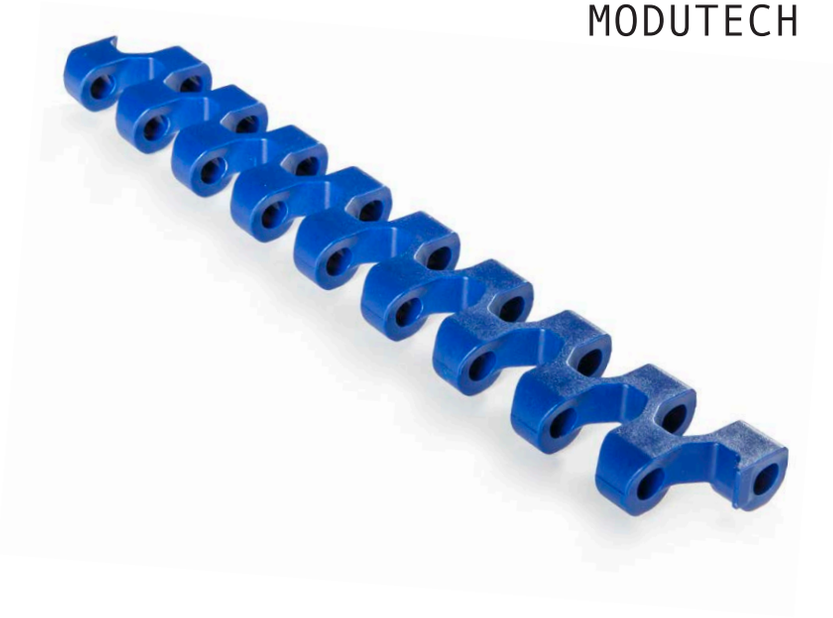
Draining, Sterilization, Conveyonce

- **Packaging Applications**

Check Weighers, Filling, Palletizing - Depalletizing, Box Transfer

EC127 FG

Pitch:	12,7 mm / **0.5 inch**
Belt Surface:	Open, Smooth Surface
Minimum Width:	50 mm / **1.97 inch**
Open Area (%):	20%. (Biggest opening 3 x 6 mm)
Flight:	Yes
Sidewall:	No
Pin:	Ø4,7 mm / **0.185 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Excellent
Belt Thickness:	10 mm / **0.394 inch**

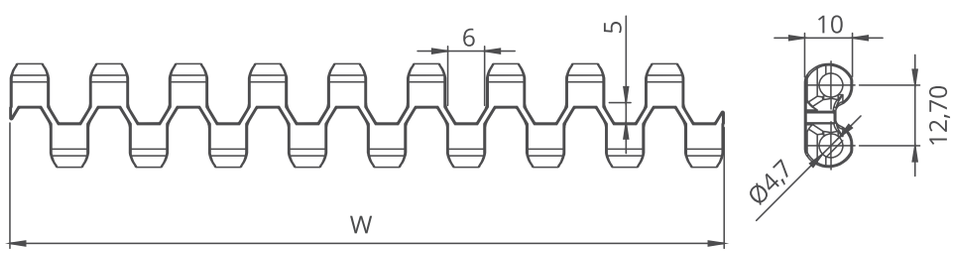


EC127 FG Technical Information

Belt Material		**POM**	**POM**	**POM**	**PP**	**PP**	**PE**
Pin Material		**PA**	**POM**	**PP**	**PP**	**POM**	**POM**
Belt Strength	N/m | **lb/ft**	18000 - **1233**	17500 - **1199**	16000 - **1096**	11000 - **754**	13000 - **891**	10000 - **685**
Temperature	°C °F	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	+5 / +93 **+40 / +200**	+5 / +105 **+40 / +200**	+5 / +93 **+40 / +200**	-40 / +65 **-40 / +150**
Belt Weight	kg/m² | **lb/sqft²**	7.2 / **1.48**	7.2 / **1.48**	7.2 / **1.48**	5.2 / **1.07**	5.3 / **1.09**	5.8 / **1.19**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
18	**0.70**	50	**2**	75	**3**	150	**6**	-	**-**

Belth Width mm	50,0	100,0	150,0	200,0	250,0	300,0	350,0	400,0	450,0	500,0	550,0	600,0	650,0	700,0	750,0	800,0	850,0	900,0	950,0
Belth Width inch	**1.97**	**3.94**	**5.91**	**7.87**	**9.84**	**11.81**	**13.78**	**15.75**	**17.72**	**19.69**	**21.65**	**23.62**	**25.59**	**27.56**	**29.53**	**31.50**	**31.50**	**35.43**	**37.40**
Belth Width mm	1000,0	1050,0																	
Belth Width inch	**39.37**	**41.34**																	



Product Features and Functional Benefits

- Belt provides optimal open area for drainage and airflow.
- Less friction and product contact for easy cooking, cooling and freezing of products.
- Reduced dirt and oxide build due to self cleaning surface.

Important Notes

- **Standard belt increments 50 mm.**
- **Non-standard belt increments 16,6 mm.**
- Special raw materials and additional colors available.
- Please contact with customer service for precise belt measurements.
- For PE, PP, POM materials up to 750 mm (30") -1 mm to 2 mm and 0% to 0.4% for wider belts.

EC127 GT

Modular Belt Series

- **Snack Food Applications**

Incline - Decline Lines, Container Conveyance

- **Packaging Applications**

Box Incline - Decline Lines

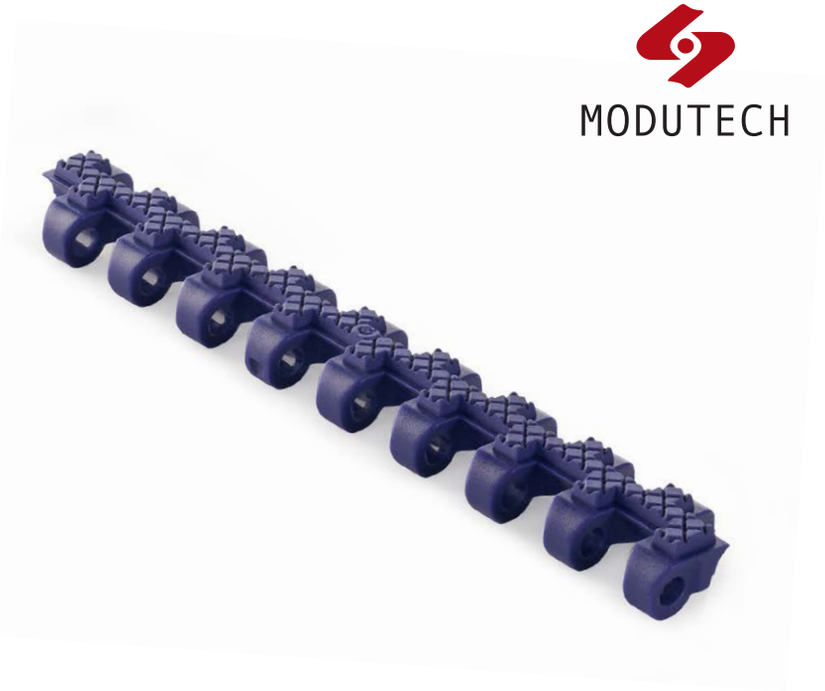
- **Beverage Applications**

Incline - Decline Lines, Filling, Box Transfer

EC127 GT

MODUTECH

Pitch:	12,7 mm / **0.5 inch**
Belt Surface:	Close, Friction Surface
Minimum Width:	150 mm / **5.90 inch**
Open Area (%):	0%
Flight:	Yes
Sidewall:	No
Pin:	Ø4,7 mm / **0.185 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Excellent
Belt Thickness:	12,5 mm / **0.49 inch**

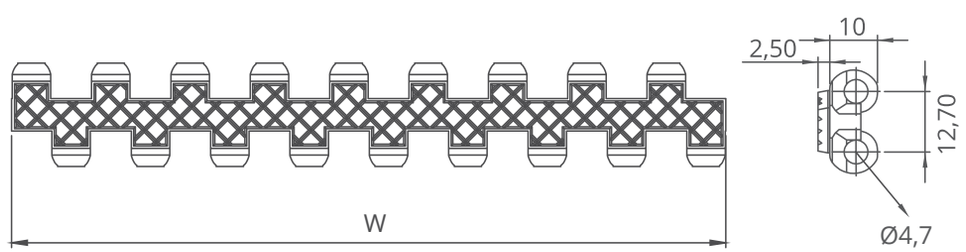


EC127 GT Technical Information

Belt Material		**PP**	**PP**
Rubber Material		**TPE**	
Pin Material		**PP**	**POM**
Belt Strength	N/m | **lb/ft**	9000 - **617**	9000 - **617**
Temperature	°C °F	+5 / +60 **+40 / +140**	+5 / +60 **+40 / +140**
Belt Weight	kg/m² | **lb/sqft²**	6.5 / **1.33**	6.5 / **1.33**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
18	**0.70**	50	**2**	75	**3**	150	**6**	-	**-**

Belth Width mm	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150
Belth Width inch	**5.91**	**7.87**	**9.84**	**11.81**	**13.78**	**15.75**	**17.72**	**19.69**	**21.65**	**23.62**	**25.59**	**27.56**	**29.53**	**31.50**	**31.50**	**35.43**	**37.40**	**39.37**	**41.34**	**43.31**	**45.28**



Product Features and Functional Benefits

- Unique rubber top eliminates wear and increases friction in incline-decline applications.
- Minimum nosebar diameter 18 mm.
- Tight transfer applications.

Important Notes

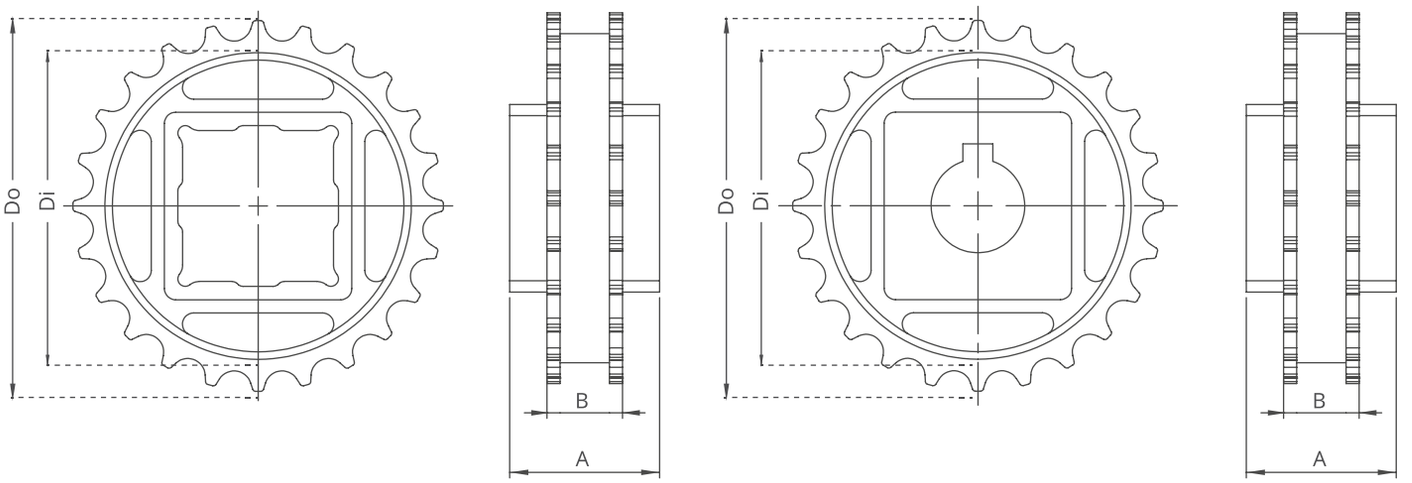
- **Standard belt increments 50 mm.**
- **Non-standard belt increments 16,6 mm.**
- Special raw materials and additional colors available.
- Please contact with customer service for precise belt measurements.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- Up to 750 mm (30") -1 mm to 2 mm and 0% to 0.4% for wider belts.

EC127 Series

Sprockets and Technical Specifications

Z24

Z24



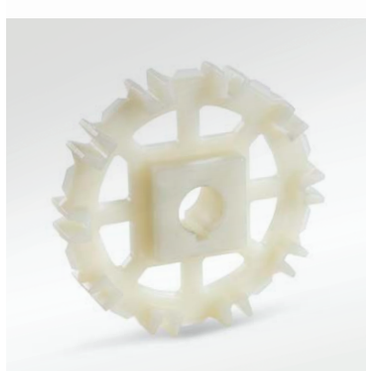
EC127 Series / Moulded Sprockets Dimensions

NO.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)
Z19	68,5 / 2.69	78,3 / **3.08**	20 / **0.79**	40 / **1.57**	25-40	**1.5**	20-25-30	**1-1.25**	EC127SQZ19*PA	EC127SRZ19*PA
Z24	88,8 / **3.49**	98,8 / **3.89**	20 / **0.79**	40 / **1.57**	25-40	**1.5**	20-25-30	**1-1.25**	EC127SQZ24*PA	EC127SRZ24*PA
Z28	105,0 / **4.13**	115,2 / **4.53**	20 / **0.79**	40 / **1.57**	40	**1.5**	20-25-30	**1-1.25**	EC127SQZ28*PA	EC127SRZ28*PA
Z30	113,1 / **4.45**	123,4 / **4.86**	20 / **0.79**	40 / **1.57**	40	**1.5**	20-25-30	**1-1.25**	EC127SQZ30*PA	EC127SRZ30*PA
Z36	137,6 / **5.41**	147,9 / **5.82**	20 / **0.79**	40 / **1.57**	40	**1.5**	20-25-30	**1-1.25**	EC127SQZ36*PA	EC127SRZ36*PA

*Other sprockets and hub sizes are manufactured up to request.
*POM (Acetal) and PP (Polypropylene) sprockets raw material is available on request.
***Machined Split Sprockets are avaliable for each size.**

Clamp

Machined Split Sprocket

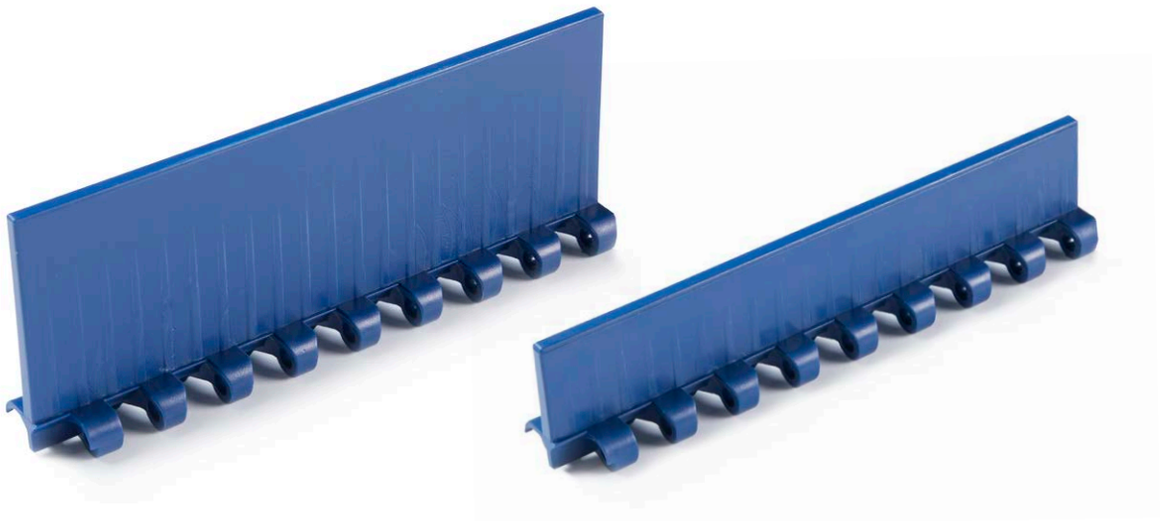


Moulded Sprocket

Machined Sprocket

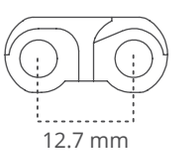
EC127 Series
Accessories and Technical Specifications

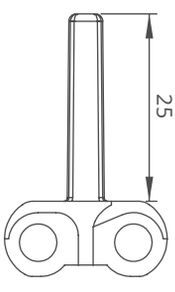
MODUTECH

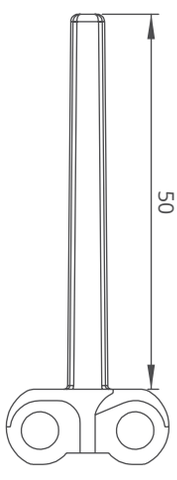


EC127 Series / Flight Dimensions

EC127 Series / Flights				
PRODUCT CODE	Flight Height (mm/**inch**)	Flight Width (mm/**inch**)	PRODUCT CODE	Sidewall Height (mm/**inch**)
EC127T25	25 / **1**	150 / **5.90**	-	-
EC127T50	50 / **2**	150 / **5.90**	-	-



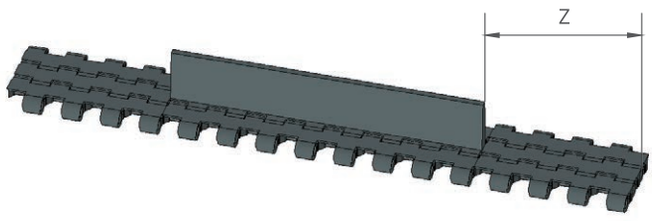




* Additional flight dimensions are available up to 50 mm.

EC127 Series / Flight Technical Specifications

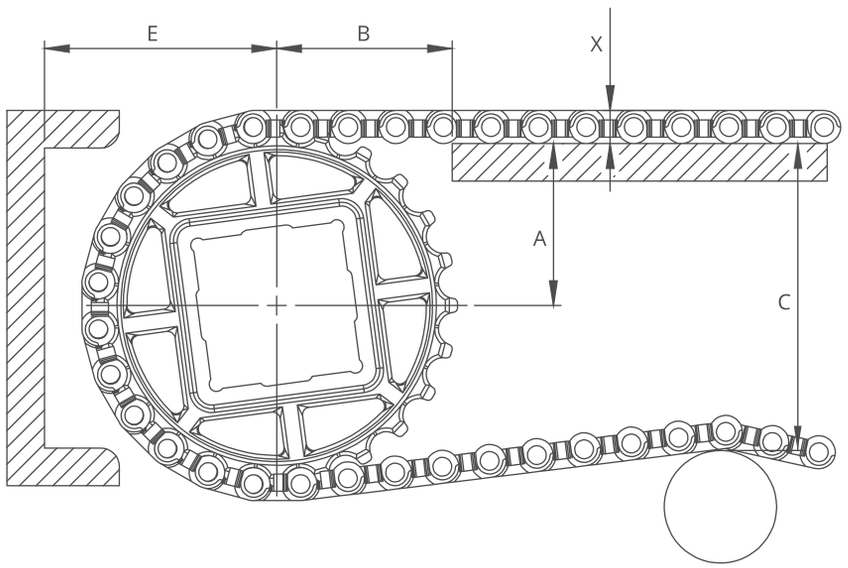
Possible Flight Indents for EC127 Series	Z	
	mm	**inch**
Standard, module cutting	33,3	**1.31**
Standard, no module cutting	50,0	**1.97**
Standard, module cutting	66,6	**2.62**
Standard, module cutting	83,3	**3.28**
Standard, no module cutting	100,0	**3.94**



***Non-standard flight indent is available upon request.**

EC127 Series
Engineering Information

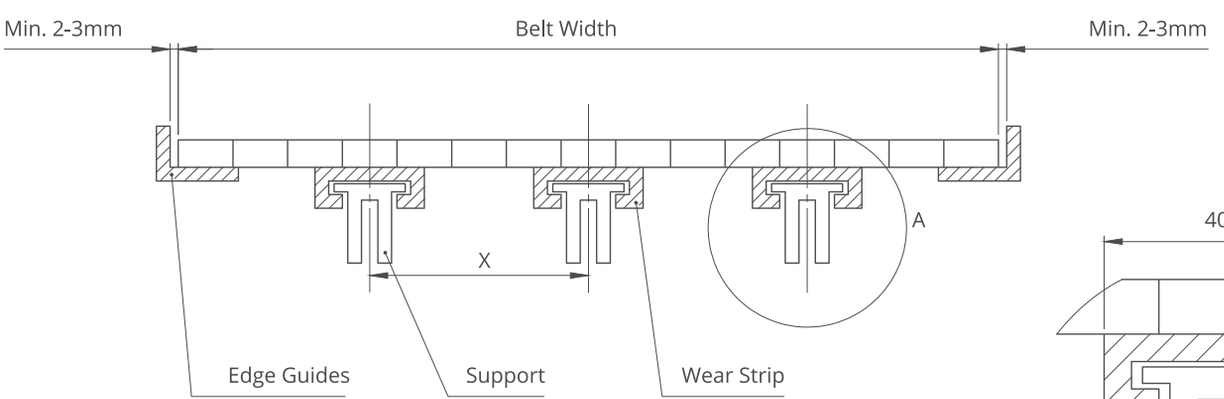
A - ± 0,031" (1mm) C - ± (Max.)
B - ± 0,125" (3mm) E - ± (Min.)

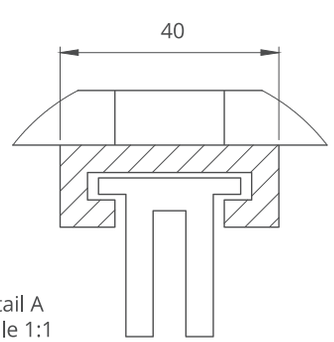


EC127 Series / Conveyor Frame Dimensions

Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)									
inch	mm		inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
EC127 C, EC127 FG												
2.89	73,4	19	**1.36**	34,5	**1.67**	42,5	**2.83**	72,0	**2.09**	53,0	**0.39**	10,0
3.69	93,8	24	**1.73**	44,0	**1.89**	48,0	**3.23**	82,0	**2.48**	63,0	**0.39**	10,0
4.33	110,1	28	**2.07**	52,5	**2.05**	52,0	**3.86**	98,0	**2.80**	71,0	**0.39**	10,0
4.66	118,3	30	**2.24**	57,0	**2.13**	54,0	**4.02**	102,0	**2.95**	75,0	**0.39**	10,0
5.62	142,7	36	**2.72**	69,0	**2.35**	59,8	**4.96**	126,0	**3.43**	87,0	**0.39**	10,0
EC127 GT												
2.89	73,4	19	**1.46**	37,0	**1.67**	42,5	**2.83**	72,0	**2.19**	55,5	**0.49**	12,5
3.69	93,8	24	**1.83**	46,5	**1.89**	48,0	**3.23**	82,0	**2.58**	65,5	**0.49**	12,5
4.33	110,1	28	**2.17**	55,0	**2.05**	52,0	**3.86**	98,0	**2.89**	73,5	**0.49**	12,5
4.66	118,3	30	**2.34**	59,5	**2.13**	54,0	**4.02**	102,0	**3.05**	77,5	**0.49**	12,5
5.62	142,7	36	**2.81**	71,5	**2.35**	59,8	**4.96**	126,0	**3.52**	89,5	**0.49**	12,5

EC127 Series / Slider Support System For Straight Running Belts

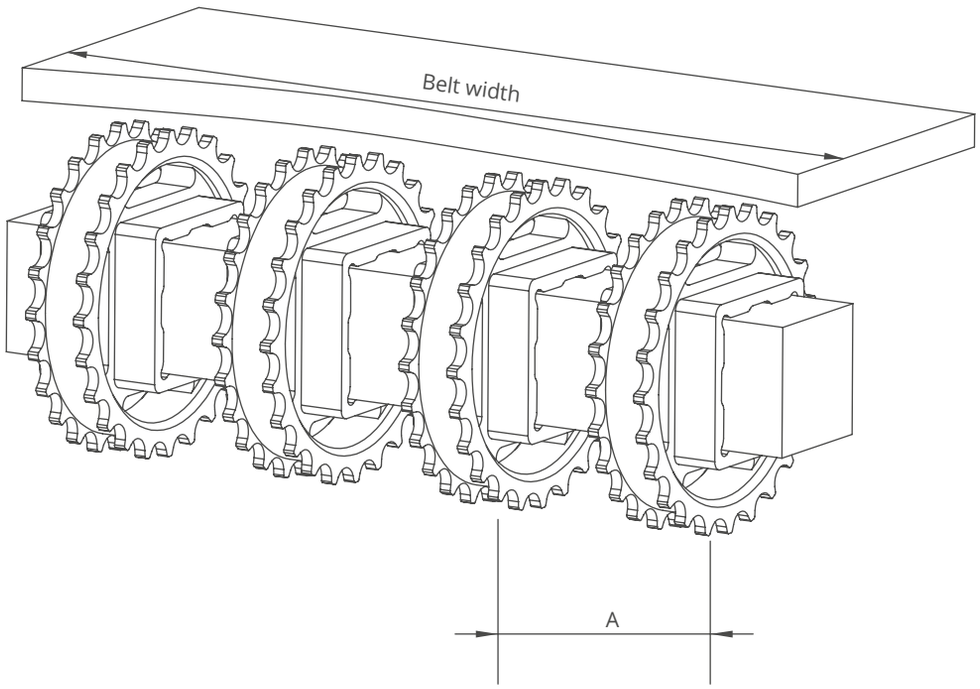




Detail A
Scale 1:1

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

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



EC127 Series / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/inch)	
mm	**inch**	Drive Shaft	Return Shaft	Min.	Max.
150,0	**5.91**	2	2	50/**2**	100/**4**
200,0	**7.87**	3	2	50/**2**	100/**4**
250,0	**9.84**	3	2	50/**2**	100/**4**
300,0	**11.81**	4	3	50/**2**	100/**4**
350,0	**13.78**	4	3	50/**2**	100/**4**
400,0	**15.75**	5	3	50/**2**	100/**4**
450,0	**17.72**	5	3	50/**2**	100/**4**
500,0	**19.69**	6	4	50/**2**	100/**4**
550,0	**21.65**	7	4	50/**2**	100/**4**
600,0	**23.62**	7	4	50/**2**	100/**4**
650,0	**25.59**	7	4	50/**2**	100/**4**
700,0	**27.56**	8	5	50/**2**	100/**4**
750,0	**29.53**	9	6	50/**2**	100/**4**
800,0	**31.50**	9	6	50/**2**	100/**4**
850,0	**33.46**	10	7	50/**2**	100/**4**
900,0	**35.43**	11	7	50/**2**	100/**4**
950,0	**37.40**	11	7	50/**2**	100/**4**
1000,0	**39.37**	11	7	50/**2**	100/**4**
1050,0	**41.34**	11	7	50/**2**	100/**4**
1100,0	**43.31**	12	7	50/**2**	100/**4**
1150,0	**45.28**	12	7	50/**2**	100/**4**
1200,0	**47.24**	12	7	50/**2**	100/**4**
1250,0	**49.21**	13	8	50/**2**	100/**4**
1300,0	**51.18**	13	8	50/**2**	100/**4**
1350,0	**53.15**	13	8	50/**2**	100/**4**
1400,0	**55.12**	14	8	50/**2**	100/**4**

MODUTECH®

MD127 GAP50%

Modular Belt Series

MD127 GAP50%
Sprockets
Engineering Information

FDA

www.modutech.com.tr

MD127 GAP50%

Modular Belt Series

- **Bakery Applications**

Including Oven Infeed - Outfeed, Coating Lines, Glazing Lines, Freezing Lines, Conditioning Lines, Cooling Lines

- **Poultry Applications**

Cooling and Freezing Lines

- **Seafood Applications**

Including Breading Machines, Draining Lines

- **Snack Food Applications**

Including Proofer Lines, Boiler Infeed, Oven Infeed - Outfeed, Cooling Lines

- **Fruits and Vegetables Applications**

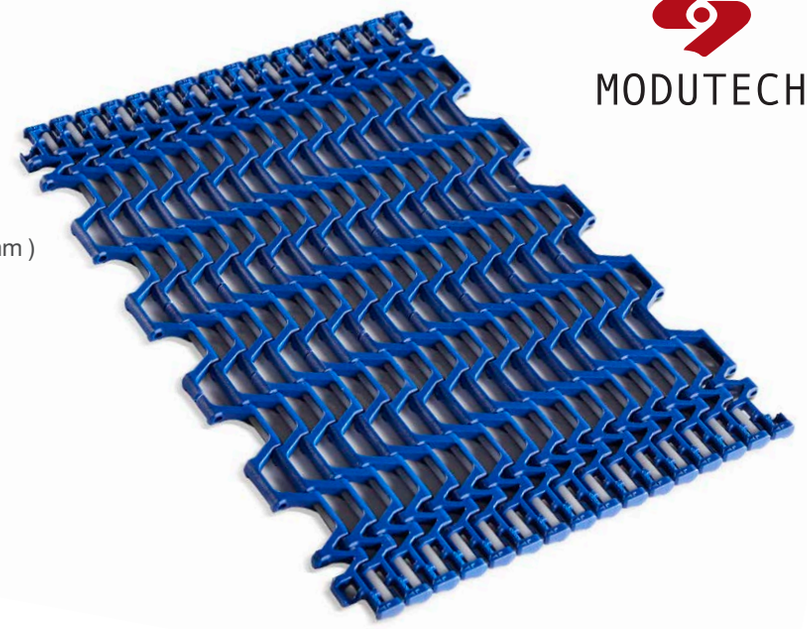
Including Prewashing / Rinsing, Draining

- **Packing Industry**

Shrink Tunnels

MD127 GAP50%

Pitch:	12,7 mm / **0.5 inch**
Belt Surface:	Open, Smooth Surface
Minimum Width:	177,8 mm / **7 inch**
Open Area (%):	50%. (Biggest opening 10 x 25 mm)
Flight:	No
Sidewall:	No
Pin:	Ø3,6 mm / **0.142 inch**
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Excellent
Belt Thickness:	7 mm / **0.276 inch**

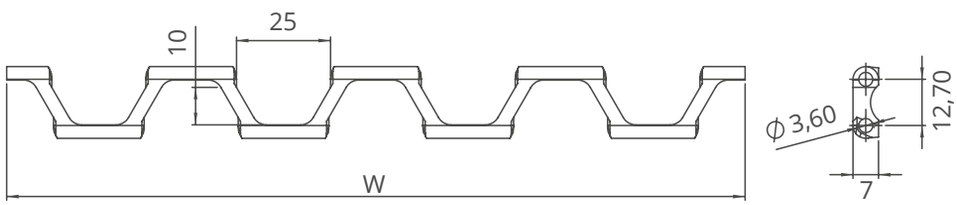


MD127 GAP50% Technical Information

Belt Material		**POM**	**POM**	**PP**	**PP**	**PA**	**PA**
Pin Material		**PA**	**POM**	**POM**	**PA**	**POM**	**PA**
Belt Strength	N/m | **lb/ft**	4400 - **301**	4400 - **301**	3200 - **219**	3200 - **219**	4400 - **301**	4400 - **301**
Temperature	°C °F	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	+5 / +93 **+40 / +200**	+5 / +105 **+40 / +200**	-40 / +93 **-40 / +200**	-46 / +116 **-50 / +240**
Belt Weight	kg/m² | **lb/sqft²**	3.6 / **0.75**	3.6 / **0.75**	2.8 / **0.57**	2.8 / **0.57**	3.3 / **0.68**	3.3 / **0.68**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
18	**0.70**	50	**2**	75	**3**	150	**6**	-	**-**

Belth Width mm	203,20	254,00	304,80	355,60	406,40	457,20	508,00	558,80	609,60	660,40	711,20	762,00	812,80	863,60	914,40	965,20	1016,0
Belth Width inch	**8.00**	**10.00**	**12.00**	**14.00**	**16.00**	**18.00**	**20.00**	**22.00**	**24.00**	**26.00**	**28.00**	**30.00**	**32.00**	**34.00**	**36.00**	**38.00**	**40.00**
Belth Width mm	1066,80	1177,60	1168,40	1219,20													
Belth Width inch	**42.00**	**44.00**	**46.00**	**48.00**													



Product Features and Functional Benefits

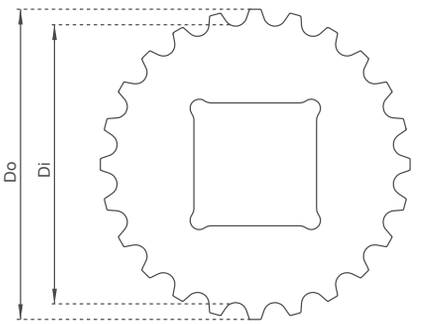
- Belt provides optimal open area for drainage and airflow.
- Less friction and product contact for easy cooking, cooling and freezing of products.
- Reduced dirt and oxide build due to self cleaning surface.
- Easy to clean reduces downtime for cleaning time 80%.

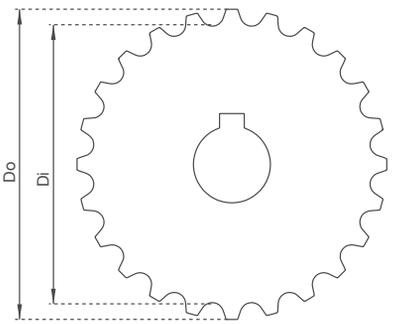
Important Notes

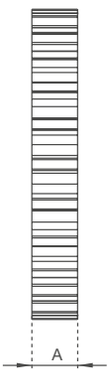
- **Standard belt increments 101,6 mm.**
- **Non-standard belt increments 50,8 mm.**
- Special raw materials and additional colors available.
- Please contact with customer service for precise belt measurements.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- For POM material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.

MD127 GAP50% Series

Engineering Information





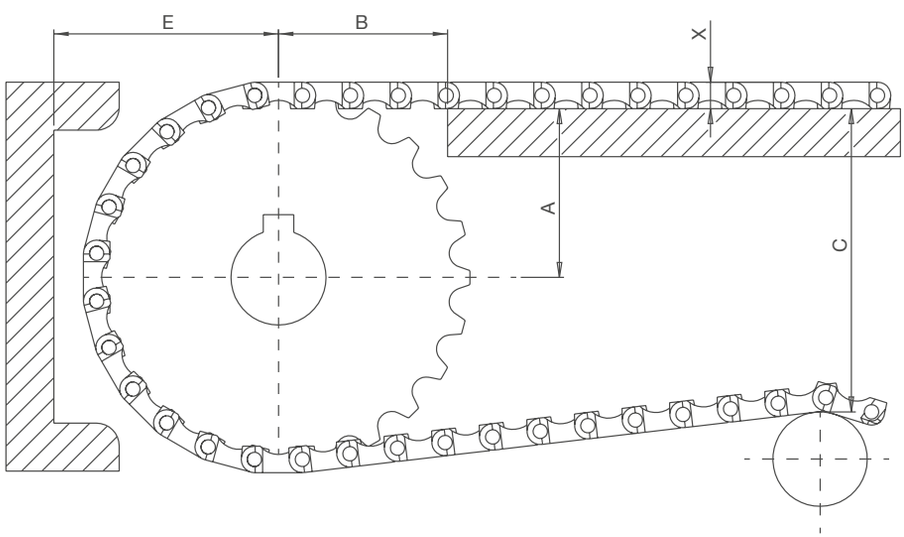


MD127 GAP50% Series / Machined Sprockets Dimensions

NO.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)
Z19	70,9 / **2.79**	80,8 / **3.18**	-	15 / **0.59**	25-40	**1-1.5**	25-30	**1-1.25**	MD127G50SQZ19	MD127G50SRZ19
Z24	91,3 / **3.59**	101,5 / **3.99**	-	15 / **0.59**	25-40	**1-1.5**	25-30	**1-1.25**	MD127G50SQZ24	MD127G50SRZ24
Z36	140,5 / **5.53**	151 / **5.94**	-	15 / **0.59**	40	**1.5**	25-30	**1-1.25**	MD127G50SQZ36	MD127G50SRZ36

*All required sprockets produced by CNC.
*Other sprockets and hub sizes are manufactured up to request.
*POM (Acetal) and PA (Polyamide) sprockets raw material is available on request.
***Machined Split Sprockets are avaliable for each size.**

A - ± 0,031" (1mm)
B - ± 0,125" (3mm)
C - ± (Max.)
E - ± (Min.)



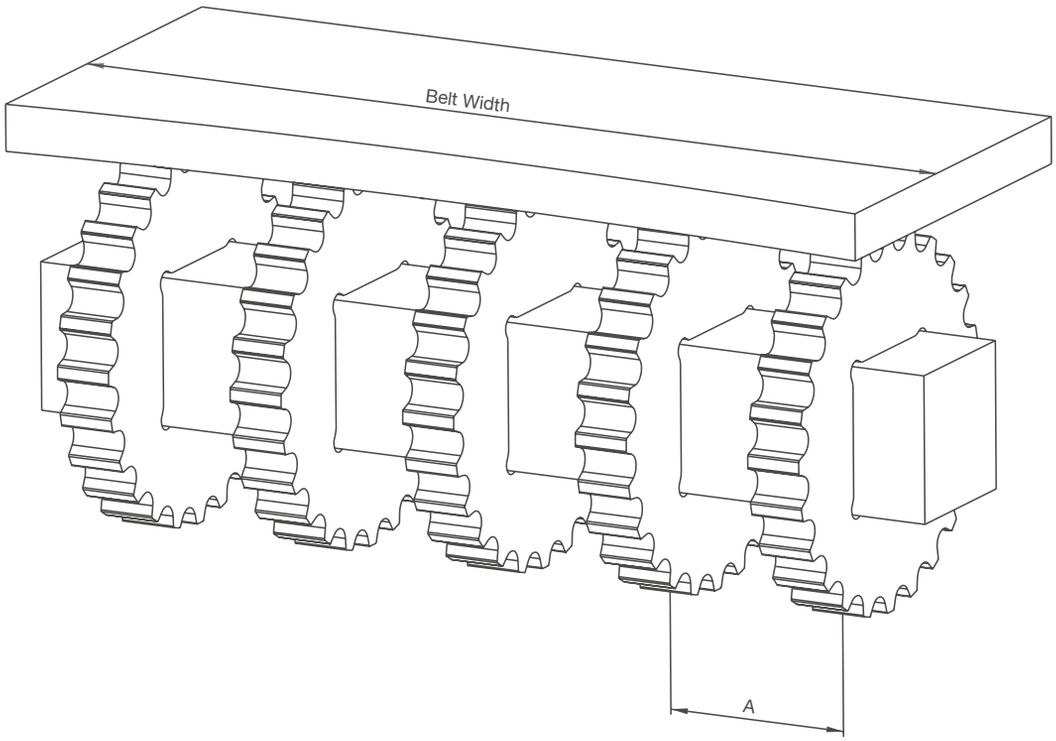
MD127 GAP50% Series / Conveyor Frame Dimensions

Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)		**Inch**	mm	**Inch**	mm	**Inch**	mm	**Inch**	mm
Inch	mm		**Inch**	mm								
MD127 GAP50%												
3.09	78,4	19	**1.39**	35,4	**1.57**	40	**2.95**	75	**1.89**	48	**0.28**	7
3.86	98,8	24	**1.80**	45,7	**1.97**	50	**3.74**	95	**2.28**	58	**0.28**	7
5.83	148	36	**2.77**	70,3	**2.95**	75	**5.71**	145	**3.23**	82	**0.28**	7

MD127 GAP50% Series

Engineering Information

MODUTECH



MD127 GAP50% Series / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/**inch**)	
mm	**inch**	Drive Shaft	Return Shaft	Min.	Max.
177,8	**7.0**	2	2	50/**2**	100/**4**
203,2	**8.0**	3	2	50/**2**	100/**4**
304,8	**12.0**	4	3	50/**2**	100/**4**
406,4	**16.0**	5	3	50/**2**	100/**4**
508,0	**20.0**	6	4	50/**2**	100/**4**
609,6	**24.0**	7	5	50/**2**	100/**4**
711,2	**28.0**	8	6	50/**2**	100/**4**
812,8	**32.0**	9	7	50/**2**	100/**4**
914,4	**36.0**	10	8	50/**2**	100/**4**
1016,0	**40.0**	11	9	50/**2**	100/**4**
1117,6	**44.0**	12	9	50/**2**	100/**4**
1219,2	**48.0**	13	10	50/**2**	100/**4**
1320,8	**52.0**	14	11	50/**2**	100/**4**
1422,4	**56.0**	14	11	50/**2**	100/**4**
1524,0	**60.0**	15	12	50/**2**	100/**4**
1625,6	**64.0**	16	12	50/**2**	100/**4**

MODUTECH®

HC127

Modular Belt Series

HC127 C
Sprockets
Engineering Information

www.modutech.com.tr

FDA

HC127 C

Modular Belt Series

- **Meat (Beef and Pork) Applications**

Fat - Trim Lines, General Conveyence, Packing Lines, Elevator

- **Poultry Applications**

Debonning, Trim Lines, Offal - Feather Lines, Grading Lines, Freezing Lines, Elevator

- **Seafood Applications**

Inspection Tables, Grading Lines, Trim Lines

- **Bakery Applications**

Row Dough Handling, Cooling Lines, Packing Lines

- **Snack Food Applications**

Corn Processing

- **Fruits and Vegetables Applications**

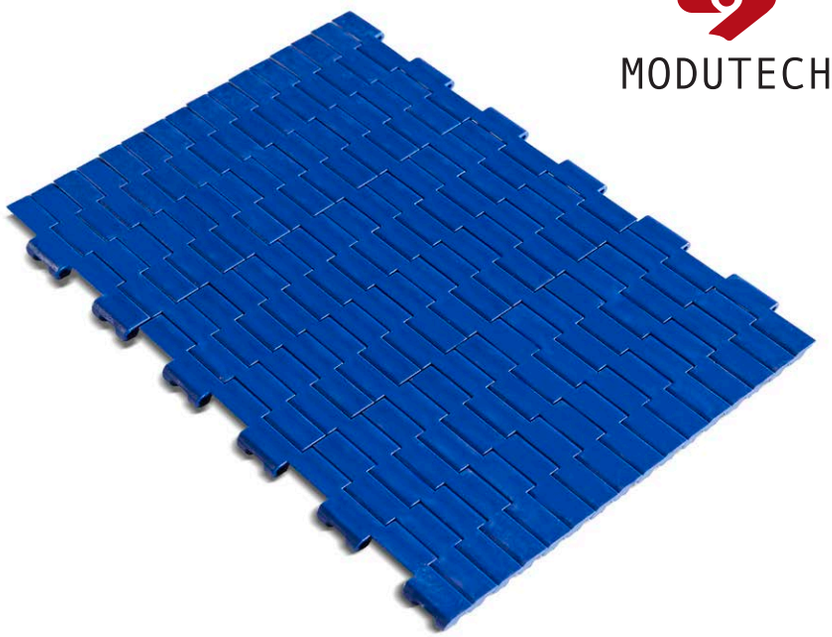
Bulk Feeding, Elevator, Control - Sorting Table

- **Packaging Applications**

Labelling, Palletizing - Depallettizing

HC127 C

Pitch:	12,7 mm / **0.5 inch**
Belt Surface:	Close, Smooth Surface
Minimum Width:	101,6 mm / **4 inch**
Open Area (%):	0%
Flight:	No
Sidewall:	No
Pin:	Ø4,5 mm / **0.177 inch**
Approved:	FDA and EU
Color:	Blue
Cleanability:	Excellent
Belt Thickness:	8 mm / **0.315 inch**

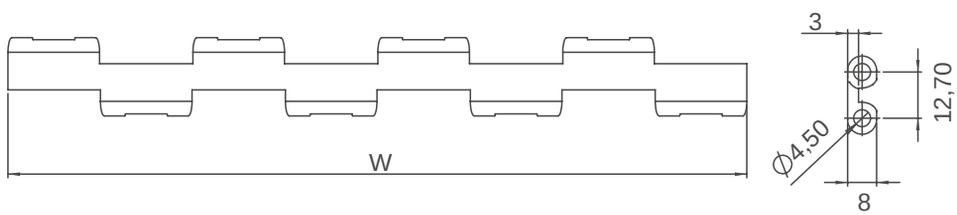


HC127 C Technical Information

Belt Material		**POM**
Pin Material		**POM**
Belt Strength	N/m | **lb/ft**	4700 - **322**
Temperature	°C °F	-40 / +93 **-40 / +200**
Belt Weight	kg/m² | **lb/sqft²**	5.7 / **1.17**

Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter for gravity take up center drive rollers (min.)		Backbending radius for elevators without side guards or hold down devices (min.)		Backbending radius for elevators with side guards or hold down devices (min.)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
18	**0.70**	50	**2**	75	**3**	-	**-**	-	**-**

Belth Width mm	254,00	304,80	355,60	406,40	457,20	508,00	558,80	609,60	660,40	711,20	762,00	812,80	863,60	914,40	965,20	1016,00	1066,80
Belth Width inch	**10.00**	**12.00**	**14.00**	**16.00**	**18.00**	**20.00**	**22.00**	**24.00**	**26.00**	**28.00**	**30.00**	**32.00**	**34.00**	**36.00**	**38.00**	**40.00**	**42.00**
Belth Width mm	1117,60	1168,40	1219,20	1270,00													
Belth Width inch	**44.00**	**46.00**	**48.00**	**50.00**													



Product Features and Functional Benefits

- Easy to clean reduces downtime for cleaning time 80%.
- Unique sprocket engagement - higher product load and longer conveyors.
- Close transfer applications.
- Reduces bacteria growth.

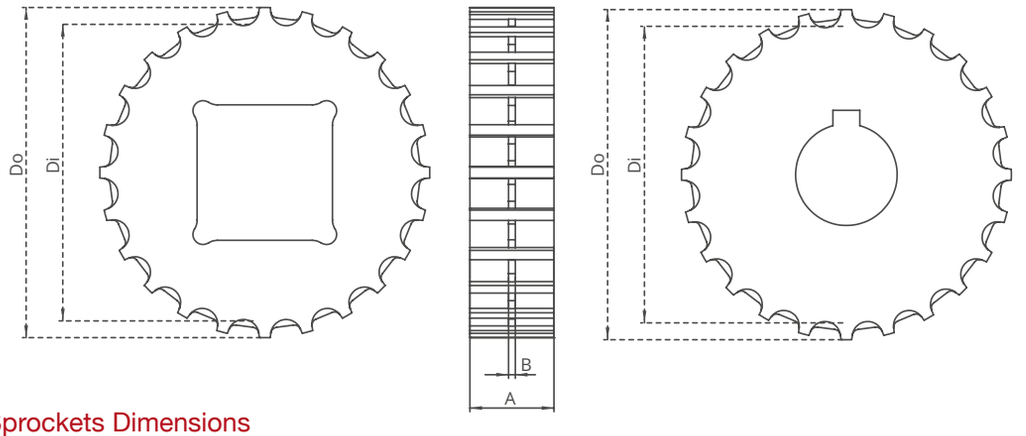
Important Notes

- **Standard belt increments 101,6 mm.**
- **Non-standard belt increments 50,8 mm.**
- Special raw materials and additional colors available.
- Please contact with customer service for precise belt measurements.
- Physical belt widths are generally 0.1% to 0.3% smaller.

HC127 C Series

Engineering Information

Z36

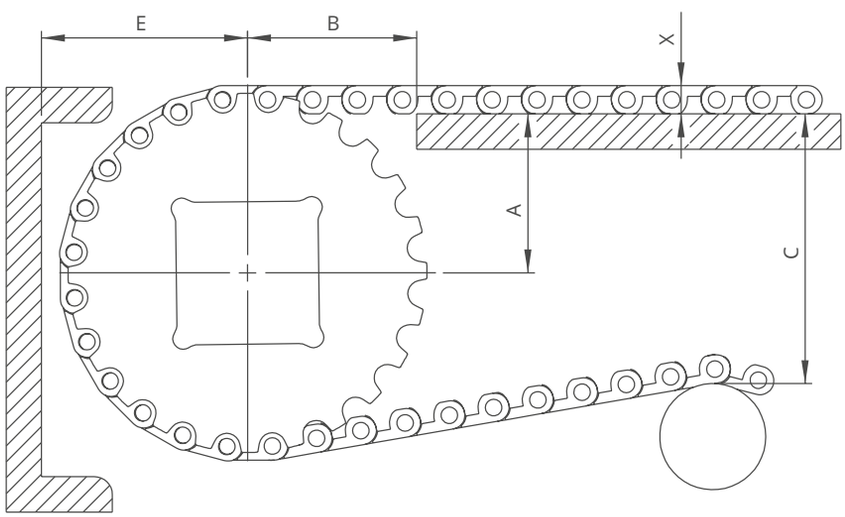


HC127 C Serie / Machined Sprockets Dimensions

NO.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)
Z15	51,9 / **2.04**	61,4 / **2.42**	2 / **0.08**	25 / **0.98**	25	**1**	25-30	**1-1.25**	HC127SQZ15*POM	HC127SRZ15*POM
Z16	55,9 / **2.20**	65,5 / **2.58**	2 / **0.08**	25 / **0.98**	25	**1**	25-30	**1-1.25**	HC127SQZ16*POM	HC127SRZ16*POM
Z17	59,9 / **2.36**	69,5 / **2.74**	2 / **0.08**	25 / **0.98**	25	**1**	25-30	**1-1.25**	HC127SQZ17*POM	HC127SRZ17*POM
Z18	63,9 / **2.52**	73,6 / **2.90**	2 / **0.08**	25 / **0.98**	25-40	**1-1.5**	25-30	**1-1.25**	HC127SQZ18*POM	HC127SRZ18*POM
Z19	68,0 / **2.68**	77,7 / **3.06**	2 / **0.08**	25 / **0.98**	25-40	**1-1.5**	25-30	**1-1.25**	HC127SQZ19*POM	HC127SRZ19*POM
Z24	88,1 / **3.47**	98,1 / **3.86**	2 / **0.08**	25 / **0.98**	25-40	**1-1.5**	25-30	**1-1.25**	HC127SQZ24*POM	HC127SRZ24*POM
Z36	136,5 / **5.37**	146,8 / **5.78**	2 / **0.08**	25 / **0.98**	40	**1.5**	25-30	**1-1.25**	HC127SQZ36*POM	HC127SRZ36*POM

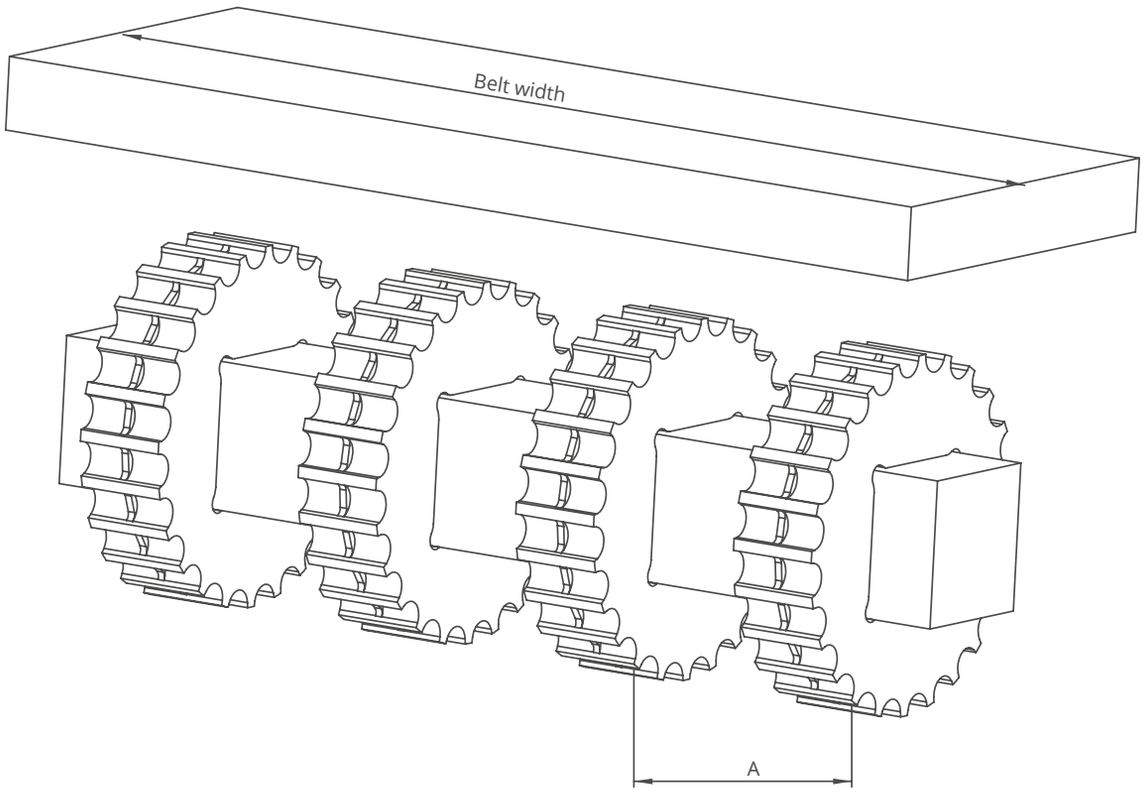
*All required sprockets produced by CNC.
*Other sprockets and hub sizes are manufactured up to request.
*POM (Acetal) and PA (Polyamide) sprockets raw material is available on request.
***Machined Split Sprockets are avaliable for each size.**

A - ± 0,031" (1mm)
B - ± 0,125" (3mm)
C - ± (Max.)
E - ± (Min.)



HC127 C Serie / Conveyor Frame Dimensions

Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)									
Inch	mm		**Inch**	mm	**Inch**	mm	**Inch**	mm	**Inch**	mm	**Inch**	mm
HC127 C												
2.40	61,1	15	**1.06**	26,8	**1.24**	31,5	**1.36**	34,5	**1.52**	38,5	**0.31**	8,0
2.56	65,1	16	**1.13**	28,8	**1.32**	33,5	**1.51**	38,3	**1.60**	40,6	**0.31**	8,0
2.72	69,1	17	**1.21**	30,8	**1.40**	35,5	**1.66**	42,2	**1.68**	42,7	**0.31**	8,0
2.87	73,1	18	**1.29**	32,8	**1.48**	37,5	**1.83**	46,5	**1.76**	44,6	**0.31**	8,0
3.03	77,2	19	**1.37**	34,8	**1.56**	39,5	**1.94**	49,4	**1.84**	46,7	**0.31**	8,0
3.83	97,3	24	**1.77**	44,9	**1.95**	49,5	**2.75**	69,8	**2.24**	56,9	**0.31**	8,0
5.73	145,7	36	**2.74**	69,5	**2.93**	74,5	**4.69**	119	**3.21**	81,5	**0.31**	8,0



HC127 C Serie / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/**inch**)	
mm	**inch**	Drive Shaft	Return Shaft	Min.	Max.
101,6	**4.0**	2	2	50/**2**	100/**4**
203,2	**8.0**	3	2	50/**2**	100/**4**
304,8	**12.0**	4	3	50/**2**	100/**4**
406,4	**16.0**	5	3	50/**2**	100/**4**
508,0	**20.0**	6	4	50/**2**	100/**4**
609,6	**24.0**	7	5	50/**2**	100/**4**
711,2	**28.0**	8	6	50/**2**	100/**4**
812,8	**32.0**	9	7	50/**2**	100/**4**
914,4	**36.0**	10	8	50/**2**	100/**4**
1016,0	**40.0**	11	9	50/**2**	100/**4**
1117,6	**44.0**	12	9	50/**2**	100/**4**

MODUTECH®

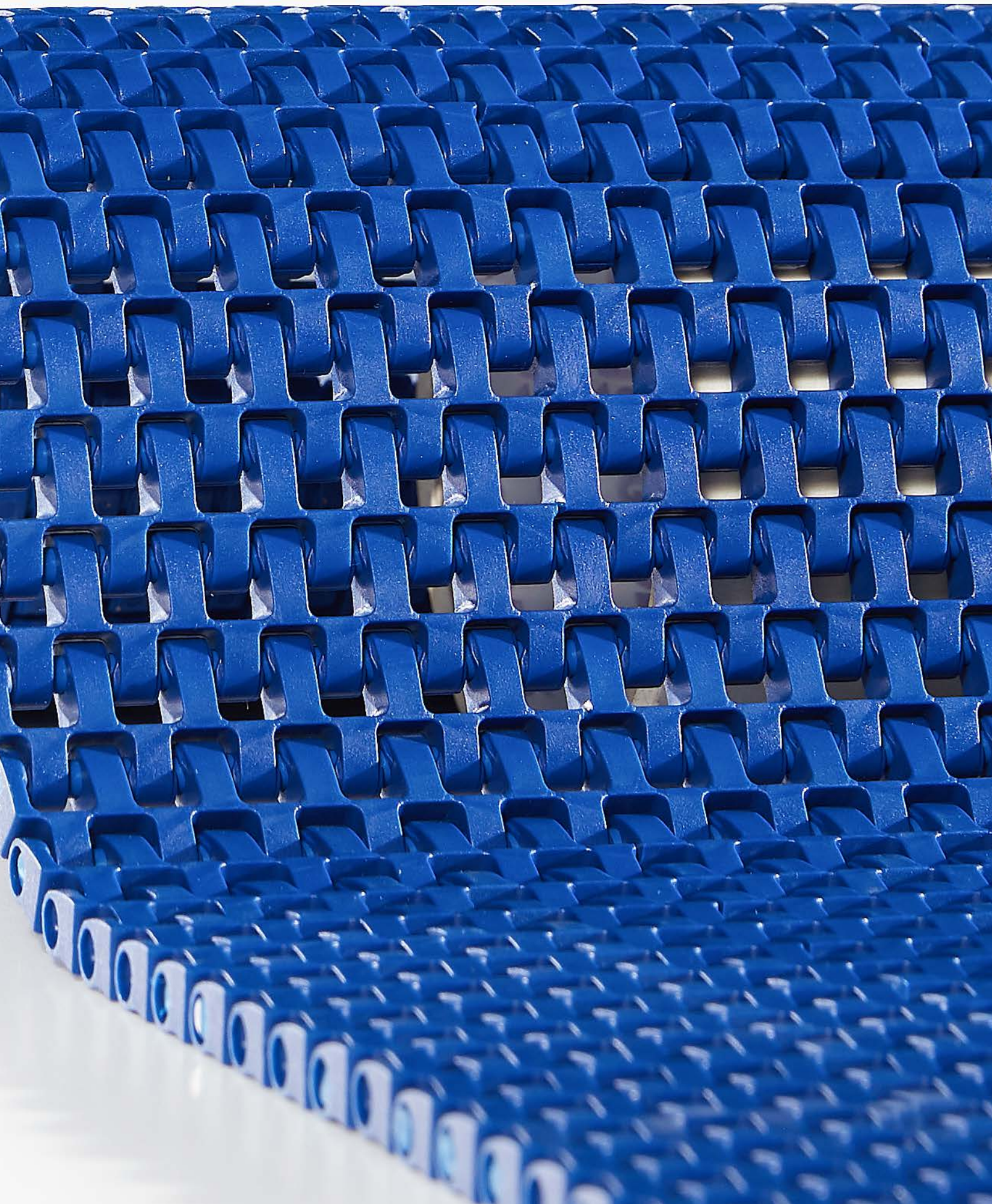
SM127

Modular Belt Series

SM127 C
SM127 FG
SM127 CRV
Sprockets
Engineering Information

FDA

www.modutech.com.tr



SM127 C

Modular Belt Series

- **Bakery Applications**

Row Dough Handling, Divider, Proofer Lines, Laminating Lines

- **Meat Applications**

Transfer - Crossover Conveyance and Metal Detectors

- **Seafood Applications**

Grading Lines and Weighing Lines

- **Beverage Applications**

Depalletizers, Accumulation Tables and Acceleration Lines

- **Fruits and Vegetables Applications**

Control and Sorting Tables

- **Can Manufacturing Applications**

Including Palletizers, Mass Handling and Accumulation Tables

- **Tire Manufacturing Applications**

Scalling, Marking, Sciver Cementing, Water Blow - Off,
Tire Transport Horizontal

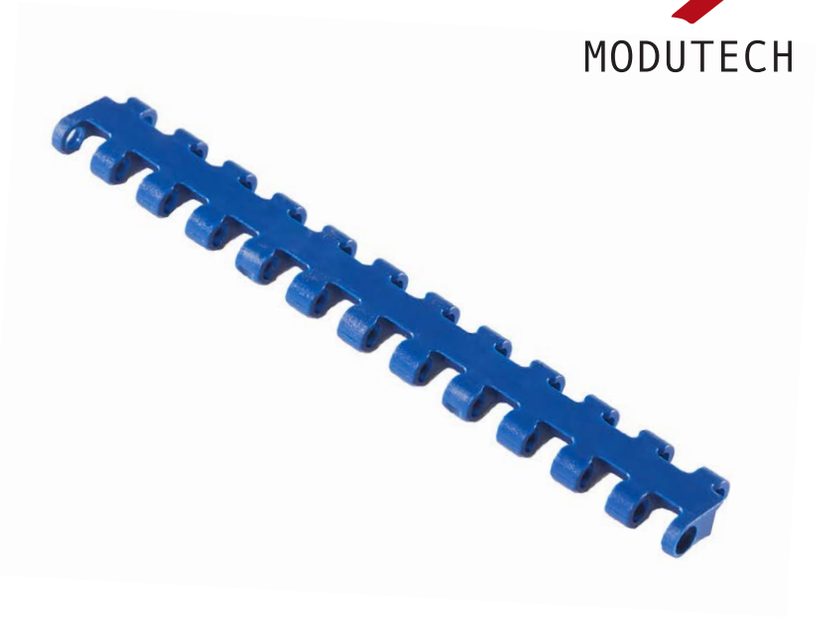
- **Corrugated Applications**

Down Stackers, Corrugator Take Off, Transfer Car

SM127 C

MODUTECH

Pitch:	12,7 mm / **0.5 inch**
Belt Surface:	Close, Smooth Surface
Minimum Width:	152,4 mm / **6.00 inch**
Open Area (%):	0%
Flight:	No
Sidewall:	No
Pin:	Ø4,4 mm / **0.173 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Good
Belt Thickness:	7,6 mm / **0.3 inch**

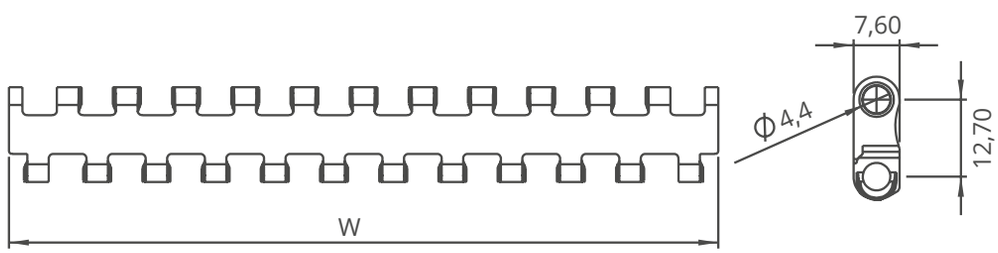


SM127 C Technical Information

Belt Material		**POM**	**POM**	**POM**	**PP**	**PP**
Pin Material		**PA**	**POM**	**PP**	**PP**	**POM**
Belt Strength	N/m | **lb/ft**	22475 - **1540**	22475 - **1540**	22475 - **1540**	12845 - **880**	12845 - **880**
Temperature	°C °F	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	+5 / +93 **+40 / +200**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +200**
Belt Weight	kg/m² | **lb/sqft²**	6.2 / **1.27**	6.2 / **1.27**	6.2 / **1.27**	4.3 / **0.88**	4.3 / **0.88**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
19	**0.75**	50	**2**	75	**3**	-	**-**	-	**-**

Belth Width mm	152,40	203,20	254,00	304,80	355,60	406,40	457,20	508,00	558,80	609,60	660,40	711,20	762,00	812,80	863,60	914,40	965,20
Belth Width inch	**4.00**	**6.00**	**8.00**	**10.00**	**12.00**	**14.00**	**16.00**	**18.00**	**20.00**	**22.00**	**24.00**	**26.00**	**28.00**	**30.00**	**32.00**	**34.00**	**36.00**
Belth Width mm	1016,00	1066,80	1117,60	1168,40													
Belth Width inch	**38.00**	**40.00**	**42.00**	**44.00**													



Product Features and Functional Benefits

- Less vibration in high speed and nosebar applicaitons.
- Wear resistance in high speed applications with tight transfer.
- Unique sprocket engagement reduces pulsation.
- Tight transfer applications.
- Tight transfer and high speed conveyors.

Important Notes

- **Standard belt increments 76,2 mm.**
- **Non-standard belt increments 12,7 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.

SM127 FG

Modular Belt Series

- **Bakery Applications**

Divider, Oven Infeed-Outfeed, Cooling Lines, Coating-Glazing Lines, Freezing Lines, Metal Detector, Spiral Infeed-Outfeed, Conditioning Lines

- **Meat and Poultry Applications**

Transfer - Crossover Conveyance, Shrink Wrapping and Metal Detectors, Freezing Lines

- **Seafood Applications**

Control Table, Glazing and Metal Detector

- **Beverage Applications**

Can, Glass and PET Palletizing-Depalletizing,

- **Fruits and Vegetables Applications**

Sterilization Conveyance, Draining and Metal Detector

- **Can, Glass and PET Manufacturing Applications**

Washer infeed, accumulation tables and palletizing-depalletizing

- **Printing and Paper Applications**

Printing Machine Outfeed, Stacker Outfeed, Wrapping Machine Outfeed, Book Binding

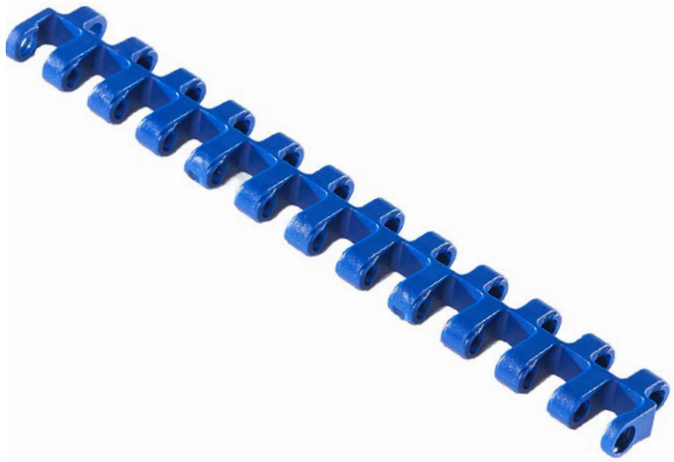
- **Corrugated Applications**

Down Stackers, Stock Handling-Buffer, Transfer Cart, Strap Feed, Casemaker Feeder

SM127 FG

MODUTECH

Pitch:	12,7 mm / **0.5 inch**
Belt Surface:	Open, Smooth Surface
Minimum Width:	152,4 mm / **6.00 inch**
Open Area (%):	22%. (Biggest opening 3,6 x 8,1 mm)
Flight:	No
Sidewall:	No
Pin:	Ø4,4 mm / **0.173 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Excellent
Belt Thickness:	7,6 mm / **0.3 inch**

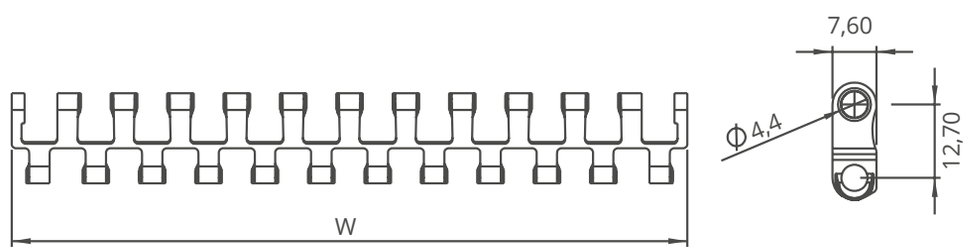


SM127 FG Technical Information

Belt Material		**POM**	**POM**	**POM**	**PP**	**PP**
Pin Material		**PA**	**POM**	**PP**	**PP**	**POM**
Belt Strength	N/m | **lb/ft**	22475 - **1540**	22475 - **1540**	22475 - **1540**	12845 - **880**	12845 - **880**
Temperature	°C °F	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	+5 / +93 **+40 / +200**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +200**
Belt Weight	kg/m² | **lb/sqft²**	6.1 / **1.25**	6.1 / **1.25**	6.1 / **1.25**	4.2 / **0.86**	4.2 / **0.86**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
19	**0.75**	50	**2**	75	**3**	-	**-**	-	**-**

Belth Width mm	152,40	203,20	254,00	304,80	355,60	406,40	457,20	508,00	558,80	609,60	660,40	711,20	762,00	812,80	863,60	914,40	965,20
Belth Width inch	**4.00**	**6.00**	**8.00**	**10.00**	**12.00**	**14.00**	**16.00**	**18.00**	**20.00**	**22.00**	**24.00**	**26.00**	**28.00**	**30.00**	**32.00**	**34.00**	**36.00**
Belth Width mm	1016,00	1066,80	1117,60	1168,40													
Belth Width inch	**38.00**	**40.00**	**42.00**	**44.00**													



Product Features and Functional Benefits

- Belt provides optimal open area for drainage and airflow.
- Less friction and product contact for easy cooking, cooling and freezing of products.
- Reduced dirt and oxide build due to self cleaning surface.

Important Notes

- **Standard belt increments 76,2 mm.**
- **Non-standard belt increments 12,7 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.

SM127 CRV

Modular Belt Series

- **Bakery Applications**

Divider, Oven Infeed-Outfeed, Cooling Lines, Coating-Glazing Lines, Freezing Lines, Metal Detector, Spiral Infeed-Outfeed, Conditioning Lines

- **Meat and Poultry Applications**

Transfer - Crossover Conveyance, Shrink Wrapping and Metal Detectors, Freezing Lines

- **Seafood Applications**

Control Table, Glazing and Metal Detector

- **Snack Food Applications**

Cooling Lines

- **Fruits and Vegetables Applications**

Sterilization Conveyance, Draining and Metal Detector

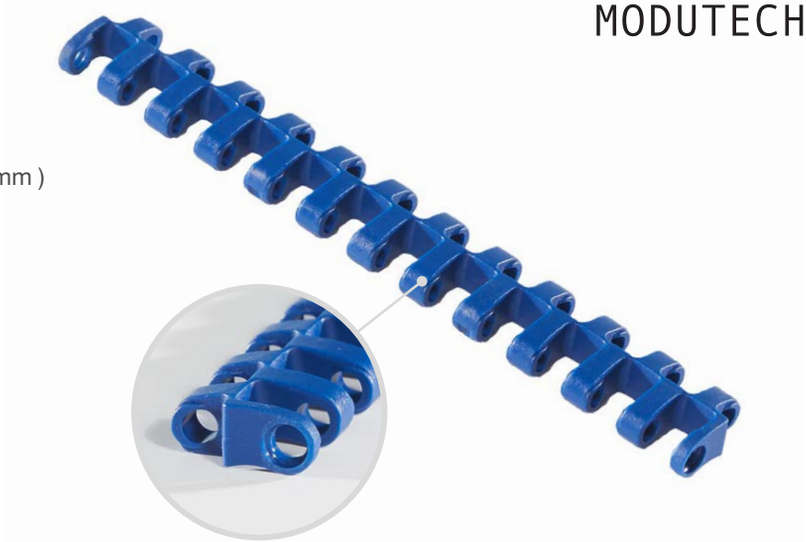
- **Packing Applications**

Check Weighs, Filling, Metal Detector, Palletizing-Depalletizing, Box Transport Horizontal

SM127 CRV

MODUTECH

Pitch:	12,7 mm / **0.5 inch**
Belt Surface:	Open, Curve Top Surface
Minimum Width:	152,4 mm / **6.00 inch**
Open Area (%):	22%. (Biggest opening 3,6 x 8,1 mm)
Flight:	No
Sidewall:	No
Pin:	Ø4,4 mm / **0.173 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Excellent
Belt Thickness:	8,6 mm / **0.338 inch**

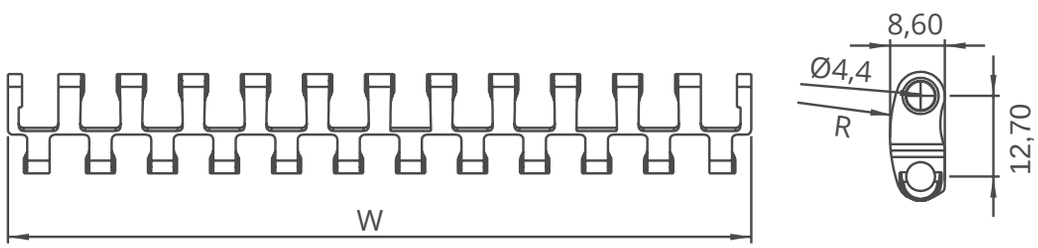


SM127 CRV Technical Information

Belt Material		**POM**	**POM**	**POM**	**PP**	**PP**
Pin Material		**PA**	**POM**	**PP**	**PP**	**POM**
Belt Strength	N/m | **lb/ft**	22475 - **1540**	22475 - **1540**	22475 - **1540**	12845 - **880**	12845 - **880**
Temperature	°C °F	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	+5 / +93 **+40 / +200**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +200**
Belt Weight	kg/m² | **lb/sqft²**	6.3 / **1.30**	6.3 / **1.30**	6.3 / **1.30**	4.4 / **0.91**	4.4 / **0.91**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
19	**0.75**	50	**2**	75	**3**	-	**-**	-	**-**

Belth Width mm	152,40	203,20	254,00	304,80	355,60	406,40	457,20	508,00	558,80	609,60	660,40	711,20	762,00	812,80	863,60	914,40	965,20
Belth Width inch	**4.00**	**6.00**	**8.00**	**10.00**	**12.00**	**14.00**	**16.00**	**18.00**	**20.00**	**22.00**	**24.00**	**26.00**	**28.00**	**30.00**	**32.00**	**34.00**	**36.00**
Belth Width mm	1016,00	1066,80	1117,60	1168,40													
Belth Width inch	**38.00**	**40.00**	**42.00**	**44.00**													



Product Features and Functional Benefits

- Curved top decreases contact area to reduce cooling and freezing time.
- Belt provides optimal open area for drainage and airflow.
- Less friction and product contact for easy cooking, cooling and freezing of products.
- Reduced dirt and oxide build due to self cleaning surface.

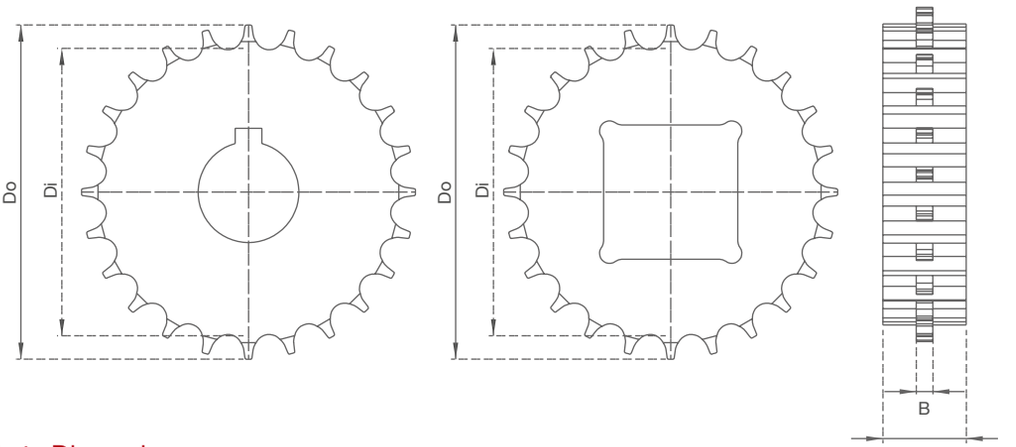
Important Notes

- **Standard belt increments 76,2 mm.**
- **Non-standard belt increments 12,7 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.

SM127 Series

Sprockets and Technical Specifications

Z24

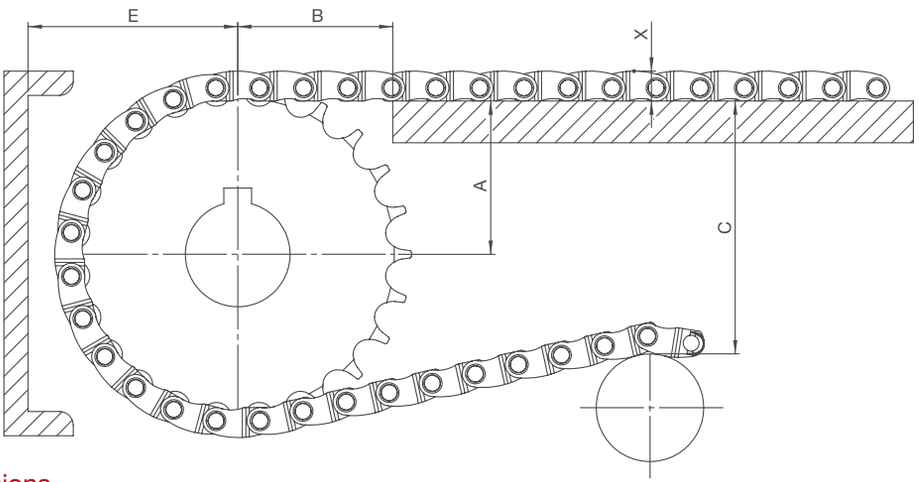


SM127 Series / Machined Sprockets Dimensions

NO.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)
Z15	50,1 / **1.97**	63,5 / **2.50**	5 / **0.19**	25 / **0.98**	25	**1**	25-30	**1-1.25**	SM127SQZ15*POM	SM127SRZ15*POM
Z19	66,1 / **2.60**	79,8 / **3.14**	5 / **0.19**	25 / **0.98**	25	**1**	25-30	**1-1.25**	SM127SQZ19*POM	SM127SRZ19*POM
Z24	86,1 / **3.39**	100,1 / **3.94**	5 / **0.19**	25 / **0.98**	25-40	**1-1.5**	25-30	**1-1.25**	SM127SQZ24*POM	SM127SRZ24*POM
Z28	102,2 / **4.02**	116,3 / **4.58**	5 / **0.19**	25 / **0.98**	25-40	**1-1.5**	25-30	**1-1.25**	SM127SQZ28*POM	SM127SRZ28*POM
Z36	134,0 / **5.28**	148,6 / **5.85**	5 / **0.19**	25 / **0.98**	25-40	**1-1.5**	25-30	**1-1.25**	SM127SQZ36*POM	SM127SRZ36*POM

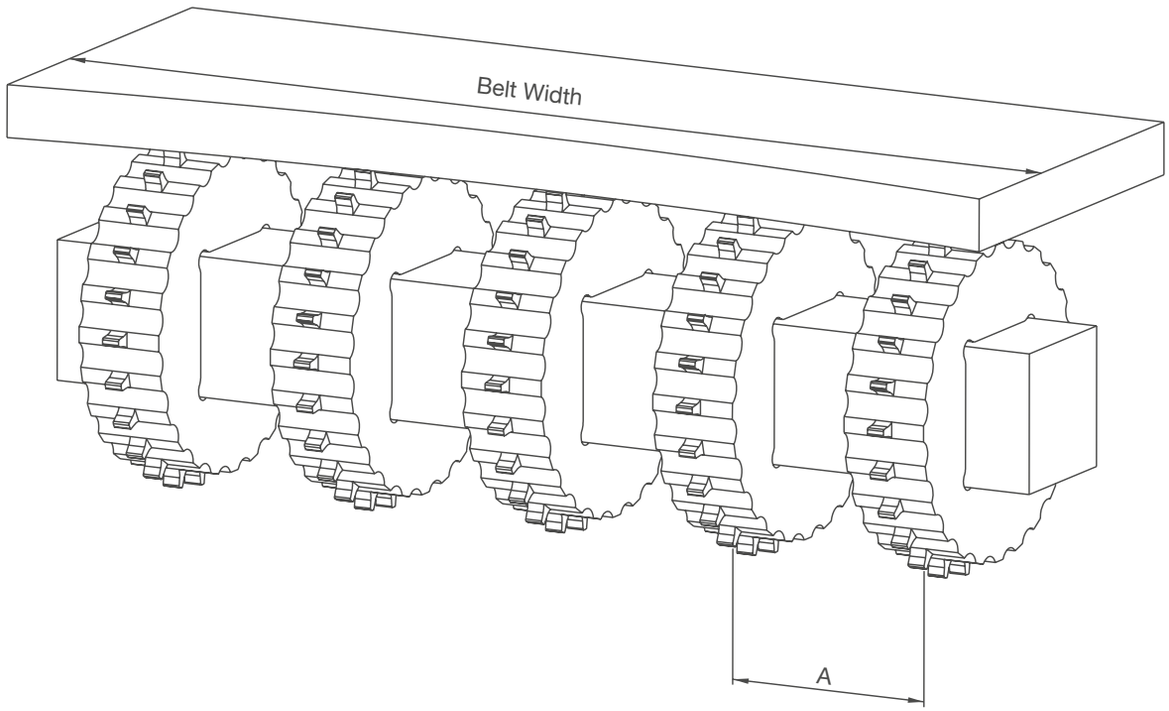
*All required sprockets produced by CNC. *Other sprockets and hub sizes are manufactured up to request.
*POM (Acetal) and PA (Polyamide) sprockets raw material is available on request.
***Machined Split Sprockets are avaliable for each size.**

A - ± 0,031" (1mm)
B - ± 0,125" (3mm)
C - ± (Max.)
E - ± (Min.)



SM127 Series / Conveyor Frame Dimensions

Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)									
inch	mm		**inch**	mm	**inch**	mm	**inch**	mm	**inch**	mm	**inch**	mm
SM127 C, SM127 FG												
2.30	58,5	15	**1.01**	25,7	**1.19**	30,2	**1.89**	48,1	**1.49**	38,1	**0.30**	7,6
2.95	74,9	19	**1.33**	33,9	**1.52**	38,5	**2.58**	65,5	**1.84**	46,3	**0.30**	7,6
3.73	94,7	24	**1.72**	43,8	**1.91**	48,4	**3.41**	86,5	**2.27**	56,2	**0.30**	7,6
4.37	111	28	**2.04**	51,9	**2.23**	56,6	**4.06**	103,2	**2.62**	64,4	**0.30**	7,6
5.61	142,5	36	**2.67**	67,7	**2.85**	72,3	**5.48**	139,1	**3.31**	75,1	**0.30**	7,6
SM127 CRV												
2.30	58,5	15	**1.01**	25,7	**1.19**	30,2	**1.93**	49,1	**1.54**	39,1	**0.34**	8,6
2.95	74,9	19	**1.33**	33,9	**1.52**	38,5	**2.62**	66,5	**1.86**	473	**0.34**	8,6
3.73	94,7	24	**1.72**	43,8	**1.91**	48,4	**3.44**	87,5	**2.25**	57,2	**0.34**	8,6
4.37	111	28	**2.04**	51,9	**2.23**	56,6	**4.10**	104,2	**2.57**	65,2	**0.34**	8,6
5.61	142,5	36	**2.67**	67,7	**2.85**	72,3	**5.52**	140,1	**3.00**	76,1	**0.34**	8,6



SM127 Series / 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 the belt load.

MODUTECH®

XP254

Corrugated Belt Series

XP254 CR
XP254 FLT CR
Sprockets
Engineering Information

www.modutech.com.tr

XP254 CR

Corrugated Belt Series

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

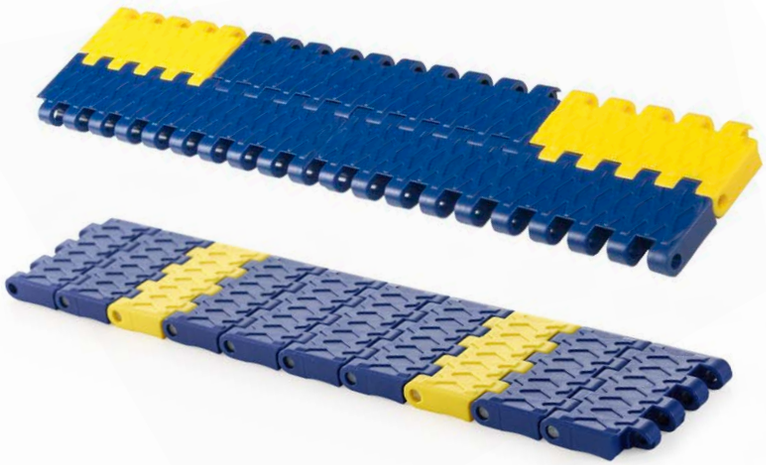
Safety Walking

Safety first because
Modutech cares about you!
Non-Skid surface offers safety through walking for corrugated industry.

XP254 CR

MODUTECH

Pitch:	25,4 mm / **1 inch**
Belt Surface:	Close, Non Slip Surface
Minimum Width:	76,2 mm / **3 inch**
Open Area (%):	0%
Flight:	No
Sidewall:	No
Pin:	Ø4,5 mm / **0.177 inch** - Self Lock
Approved:	No
Color:	Blue / Gray / Yellow / Red
Cleanability:	Good
Belt Thickness:	9,3 mm / **0.366 inch**



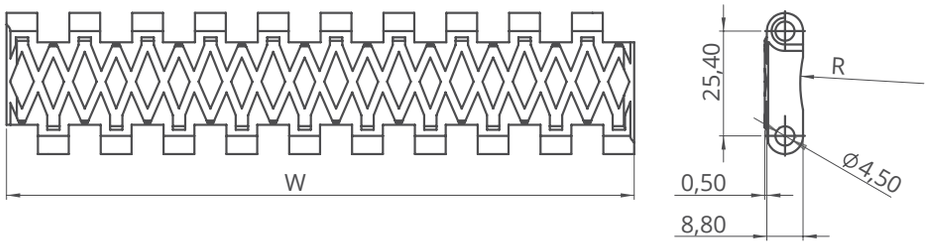
XP254 CR Technical Information

Belt Material		**POM**
Pin Material		**PA**
Belt Strength	N/m | **lb/ft**	40250 - **2758**
Temperature	°C °F	-40 / +93 **-40 / +200**
Belt Weight	kg/m² | **lb/sqft²**	8.1 / **1.67**

50mm Single Module Available.

Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter for gravity take up center drive rollers (min.)		Backbending radius for elevators without side guards or hold down devices (min.)		Backbending radius for elevators with side guards or hold down devices (min.)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
50	**2**	50	**2**	100	**4**	-	**-**	-	**-**

Belth Width mm	50,0	76,2	152,4	228,6	304,8	381,0	457,20	533,4	609,6	685,8	762,0	838,2	914,4	990,6	1066,8	1143,0	1219,2
Belth Width inch	**1.97**	**3.00**	**6.00**	**9.00**	**12.00**	**15.00**	**18.00**	**21.00**	**24.00**	**27.00**	**30.00**	**33.00**	**36.00**	**39.00**	**42.00**	**45.00**	**48.00**
Belth Width mm	1295,4	1371,6	1447,8	1524,0													
Belth Width inch	**51.00**	**54.00**	**57.00**	**60.00**													



Product Features and Functional Benefits

- Chamfered belt edges.
- Reinforced bottom surface - higher product load and longer conveyors.
- Unique sprocket engagement reduces pulsation and increases load capacity.
- Close transfer applications.
- Extra power, bi-directional belt for long conveyors.
- Safety walking top surface.

Important Notes

- Standard belt increments 76,2 mm.
- Please contact with customer service for precise belt measurements.
- Physical belt widths are generally 0.1% to 0.3% bigger.
- Special raw materials and additional colors available.

XP254 FLT CR

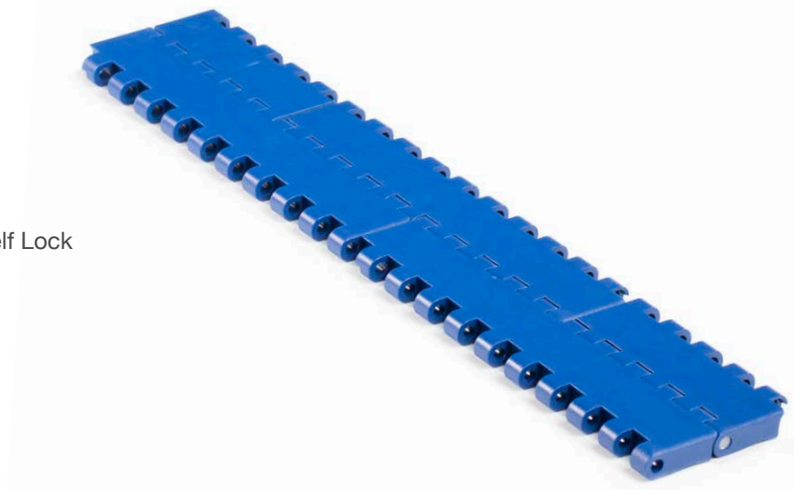
Corrugated Belt Series

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

XP254 FLT CR

MODUTECH

Pitch:	25,4 mm / **1 inch**
Belt Surface:	Close, Smooth Surface
Minimum Width:	76,2 mm / **3 inch**
Open Area (%):	0%
Flight:	No
Sidewall:	No
Pin:	Ø4,5 mm / **0.177 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / Gray / Yellow / Red
Cleanability:	Good
Belt Thickness:	8,8 mm / **0.346 inch**

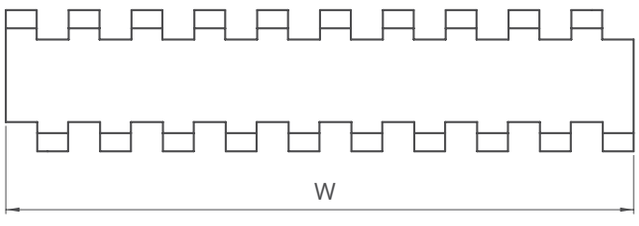


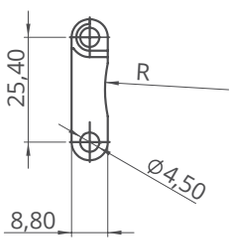
XP254 FLT CR Technical Information

Belt Material		**POM**
Pin Material		**PA**
Belt Strength	N/m | **lb/ft**	40250 - **2758**
Temperature	°C °F	-40 / +93 **-40 / +200**
Belt Weight	kg/m² | **lb/sqft²**	8.1 / **1.67**

Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter for gravity take up center drive rollers (min.)		Backbending radius for elevators without side guards or hold down devices (min.)		Backbending radius for elevators with side guards or hold down devices (min.)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
50	**2**	50	**2**	100	**4**	-	**-**	-	**-**

Belth Width mm	76,2	152,4	228,6	304,8	381,0	457,20	533,4	609,6	685,8	762,0	838,2	914,4	990,6	1066,8	1143,0	1219,2	1295,4
Belth Width inch	**3.00**	**6.00**	**9.00**	**12.00**	**15.00**	**18.00**	**21.00**	**24.00**	**27.00**	**30.00**	**33.00**	**36.00**	**39.00**	**42.00**	**45.00**	**48.00**	**51.00**
Belth Width mm	1371,6	1447,8	1524,0	1600,0													
Belth Width inch	**54.00**	**57.00**	**60.00**	**63.00**													





Product Features and Functional Benefits

- Chamfered belt edges.
- Reinforced bottom surface - higher product load and longer conveyors.
- Unique sprocket engagement reduces pulsation and increases load capacity.
- Close transfer applications.
- Extra power, bi-directional belt for long conveyors.

Important Notes

- Standard belt increments 76,2 mm.
- Please contact with customer service for precise belt measurements.
- Physical belt widths are generally 0.1% to 0.3% bigger.
- Special raw materials and additional colors available.

MODUTECH®

XP254

Modular Belt Series

XP254 C
XP254 PR 22%
XP254 FG
XP254 GT / Friction Top
XP254 BT / Ball Top
Sprockets & Accessories
Engineering Information

FDA

www.modutech.com.tr


doc:2
THE PEOPLE

XP254 C

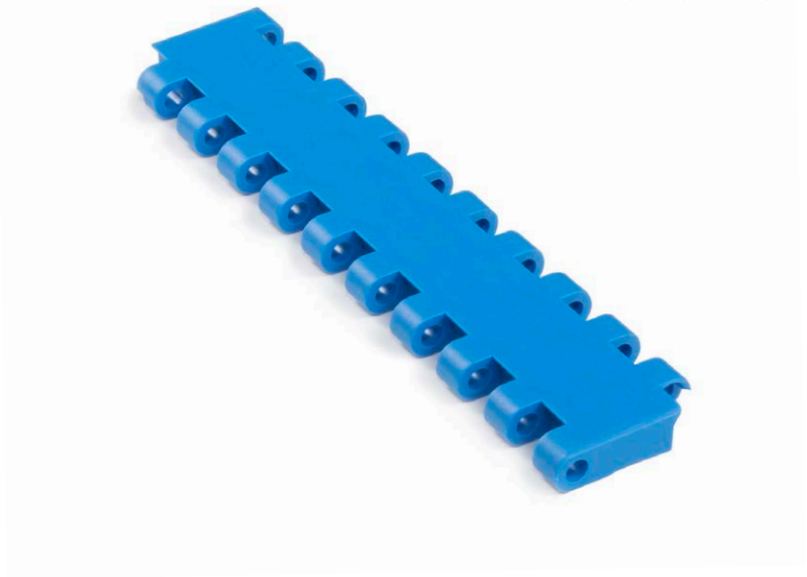
Modular Belt Series

- **Seafood Applications**
  Inspection Tables, Grading Lines, Trim Lines
- **Bakery Applications**
  Row Dough Handling, Cooling Lines, Packing Lines
- **Snack Food Applications**
  Corn Processing
- **Fruits and Vegetables Applications**
  Bulk Feeding, Elevator, Control - Sorting Table
- **Tire Manufacturing Applications**
  Mixer Infeed - Outfeed, Calendering Infeed, Extrusion Outfeed
- **Packaging Applications**
  Labelling, Case Packers, Tray Packers, Palletizing - Depallettizing
- **Printing and Paper Applications**
  Printing Machine Outfeed, Wrapping Machine Outfeed
- **Beverages and Botteling Applications**
  Can Palletizing and Depalletizing, Glass Palletizing and Depalletizing, Pet Palletizing and Depalletizing
- **Material Handling Applications**
  Incline Applications, Palletizers, Packaging Lines

XP254 C

MODUTECH

Pitch:	25,4 mm / **1 inch**
Belt Surface:	Close, Smooth Surface
Minimum Width:	76,2 mm / **3 inch**
Open Area (%):	0%
Flight:	Yes
Sidewall:	Yes
Pin:	Ø4,5 mm / **0.177 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Good
Belt Thickness:	8.8 mm / **0.346 inch**

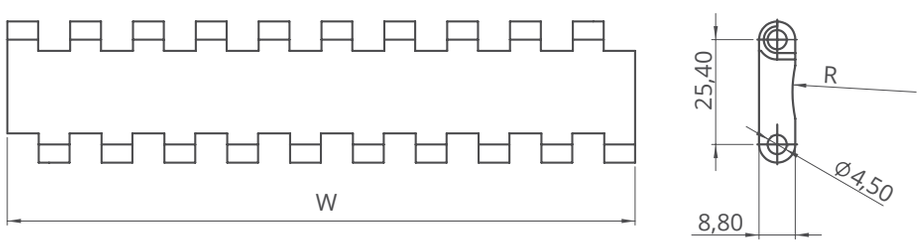


XP254 C Technical Information

Belt Material		**POM**	**POM**	**POM**	**PP**	**PP**	**PE**
Pin Material		**PA**	**POM**	**PP**	**PP**	**POM**	**POM**
Belt Strength	N/m | **lb/ft**	30000 - **2055**	30000 - **2055**	30000 - **2055**	17200 - **1178**	18500 - **1267**	9100 - **623**
Temperature	°C °F	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	+5 / +93 **+40 / +200**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +200**	-40 / +65 **+40 / +150**
Belt Weight	kg/m² | **lb/sqft²**	8.7 / **1.78**	8.7 / **1.78**	8.7 / **1.78**	5.7 / **1.17**	5.7 / **1.17**	6.0 / **1.23**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
50	**2**	50	**2**	100	**4**	150	**6**	250	**10**

Belth Width mm	76,2	152,4	228,6	304,8	381,0	457,20	533,4	609,6	685,8	762,0	838,2	914,4	990,6	1066,8	1143,0	1219,2	1371,6
Belth Width inch	**3.00**	**6.00**	**9.00**	**12.00**	**15.00**	**18.00**	**21.00**	**24.00**	**27.00**	**30.00**	**33.00**	**36.00**	**39.00**	**42.00**	**45.00**	**48.00**	**54,00**
Belth Width mm	1447,8	1524,0	1600,2														
Belth Width inch	**57.00**	**60.00**	**63.00**														



Product Features and Functional Benefits

- Unique sprocket engagement - higher product load and longer conveyors.
- Unique sprocket engagement reduces pulsation and increases load capacity.
- Close transfer applications.
- Extra power, bi-directional belt for long conveyors.
- Chamfered belt edges.

Important Notes

- **Standard belt increments 76,2 mm.**
- **Non-standard belt increments 15,2 mm.**
- Please contact with customer service for precise belt measurements.
- For PP material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.
- For POM material up to 750 mm (30") -2 mm to 1 mm and -0.2% to 0.2% for wider belts.
- Special raw materials and additional colors available.

XP254 PR22%

Modular Belt Series

- **Meat and Poultry Applications**

General Conveyance and Breading Lines

- **Fruit and Vegetable Application**

Elevators, Steam Peeler, Inspection Tables, Blanching Lines

- **Seafood Applications**

Elevators, Inspection Tables, Grading Lines, Trim Lines, Glazing Lines, Cooking Lines

- **Bakery Applications**

Row Dough Handling, Cooling Lines, Icing Lines, Packing Lines, Metal Detectors

XP254 PR22%

MODUTECH

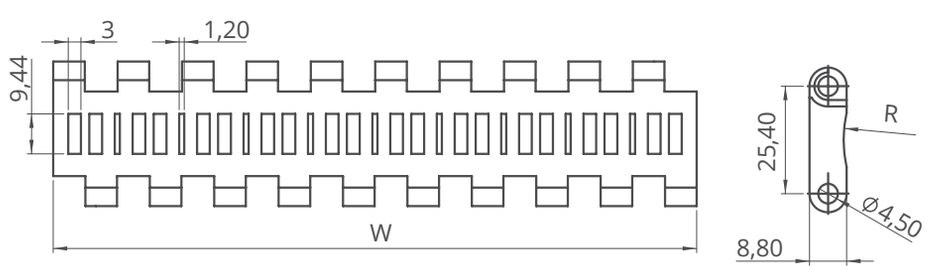
Pitch:	25,4 mm / **1 inch**
Belt Surface:	Open, Smooth Surface
Minimum Width:	76,2 mm / **3 inch**
Open Area (%):	22%. (Biggest opening 9,44 x 3 mm)
Flight:	Yes
Sidewall:	Yes
Pin:	Ø4,5 mm / **0.177 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Good
Belt Thickness:	8,8 mm / **0.346 inch**

XP254 PR22% Technical Information

Belt Material		**POM**	**POM**	**POM**	**PP**	**PP**	**PE**
Pin Material		**PA**	**POM**	**PP**	**PP**	**POM**	**POM**
Belt Strength	N/m | **lb/ft**	30000 - **2055**	30000 - **2055**	30000 - **2055**	17000 - **1165**	17000 - **1165**	9100 - **623**
Temperature	°C °F	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	+5 / +93 **+40 / +200**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +200**	-40 / +65 **+40 / +150**
Belt Weight	kg/m² | **lb/sqft²**	7.9 / **1.62**	7.9 / **1.62**	7.9 / **1.62**	4.9 / **1.00**	4.9 / **1.00**	5.2 / **1.07**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
50	**2**	50	**2**	100	**4**	150	**6**	250	**10**

Belth Width mm	76,2	152,4	228,6	304,8	381,0	457,20	533,4	609,6	685,8	762,0	838,2	914,4	990,6	1066,8	1143,0	1219,2	1371,6
Belth Width inch	**3.00**	**6.00**	**9.00**	**12.00**	**15.00**	**18.00**	**21.00**	**24.00**	**27.00**	**30.00**	**33.00**	**36.00**	**39.00**	**42.00**	**45.00**	**48.00**	**54,00**
Belth Width mm	1447,8	1524,0	1600,2														
Belth Width inch	**57.00**	**60.00**	**63.00**														



Product Features and Functional Benefits

- Unique sprocket engagement - precise indexing, easy cleaning.
- Different openings to optimize performance in cooling and draining applications.
- Extra power, bi-directional belt for long conveyors.
- Unique sprocket engagement reduces pulsation and increases load capacity.
- Chamfered belt edges.

Important Notes

- **Standard belt increments 76,2 mm.**
- **Non-standard belt increments 15,2 mm.**
- Please contact with customer service for precise belt measurements.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- Special raw materials and additional colors available.

XP254 FG

Modular Belt Series

- **Seafood Applicaitons**

Breading Machines, Draining Lines, Glazing Lines, Elevators, Freezing Lines

- **Snack Food Applications**

Proofer Lines, Boiler Infeed, Oven Infeed - Outfeed, Cooling Lines

- **Fruits and Vegetables Applications**

Prewashing - Rinsing, Draining, Blanching Lines, Elevators

- **Packaging Applications**

Filling, Accumulation Palletizing - Depalletizing, Box Transfer

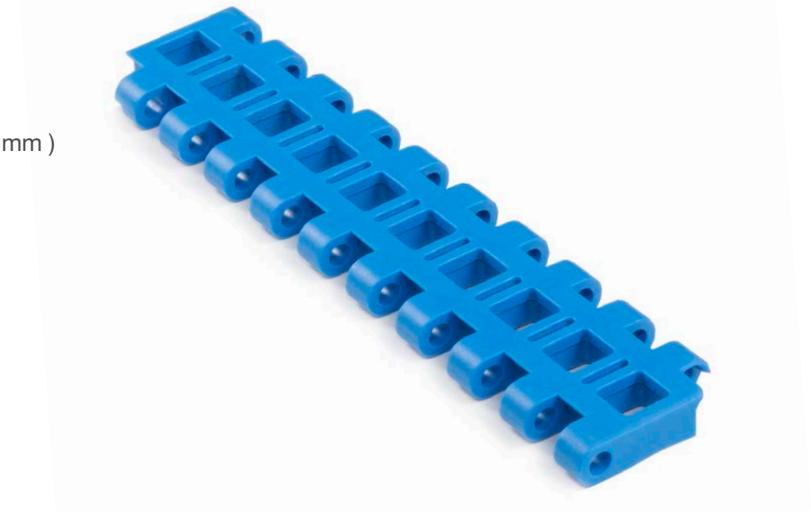
- **Textile Applications**

Cutter, Dyeing

XP254 FG

MODUTECH

Pitch:	25,4 mm / **1 inch**
Belt Surface:	Open, Smooth Surface
Minimum Width:	76,2 mm / **3 inch**
Open Area (%):	28%. (Biggest opening 8,44 x 9,44 mm)
Flight:	Yes
Sidewall:	Yes
Pin:	Ø4,5 mm / **0.177 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Good
Belt Thickness:	8,8 mm / **0.346 inch**

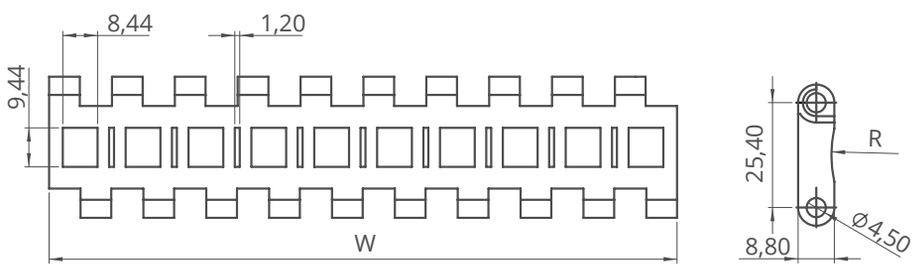


XP254 FG Technical Information

Belt Material		**POM**	**POM**	**POM**	**PP**	**PP**	**PE**
Pin Material		**PA**	**POM**	**PP**	**PP**	**POM**	**POM**
Belt Strength	N/m | **lb/ft**	30000 - **2055**	30000 - **2055**	30000 - **2055**	17200 - **1165**	17000 - **1165**	9100 - **623**
Temperature	°C °F	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	+5 / +93 **+40 / +200**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +200**	-40 / +65 **+40 / +150**
Belt Weight	kg/m² | **lb/sqft²**	7.9 / **1.62**	7.9 / **1.62**	7.9 / **1.62**	4.9 / **1.00**	4.9 / **1.00**	5.2 / **1.07**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
50	**2**	50	**2**	100	**4**	150	**6**	250	**10**

Belth Width mm	76,2	152,4	228,6	304,8	381,0	457,20	533,4	609,6	685,8	762,0	838,2	914,4	990,6	1066,8	1143,0	1219,2	1295,4
Belth Width inch	**3.00**	**6.00**	**9.00**	**12.00**	**15.00**	**18.00**	**21.00**	**24.00**	**27.00**	**30.00**	**33.00**	**36.00**	**39.00**	**42.00**	**45.00**	**48.00**	**51,00**
Belth Width mm	1371,6	1447,8	1524,0	1600,2													
Belth Width inch	**54.00**	**57.00**	**60.00**	**63.00**													



Product Features and Functional Benefits

- Unique sprocket engagement - precise indexing, easy cleaning.
- Different openings to optimize performance in cooling and draining applications.
- Extra power, bi-directional belt for long conveyors.
- Unique sprocket engagement reduces pulsation and increases load capacity.
- Chamfered belt edges.

Important Notes

- **Standard belt increments 76,2 mm.**
- **Non-standard belt increments 15,2 mm.**
- Please contact with customer service for precise belt measurements.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- Special raw materials and additional colors available.

XP254 GT

Friction Top

Modular Belt Series

- **Snack Food Applications**

Incline - Decline Lines, Container Conveyance

- **Packaging Applications**

Box Incline - Decline Lines

- **Beverage Applications**

Incline - Decline Lines, Filling, Box Transfer

- **Material Handling Applications**

Incline Applications, Palletizers, Packaging Lines

XP254 GT *(Friction Top)*

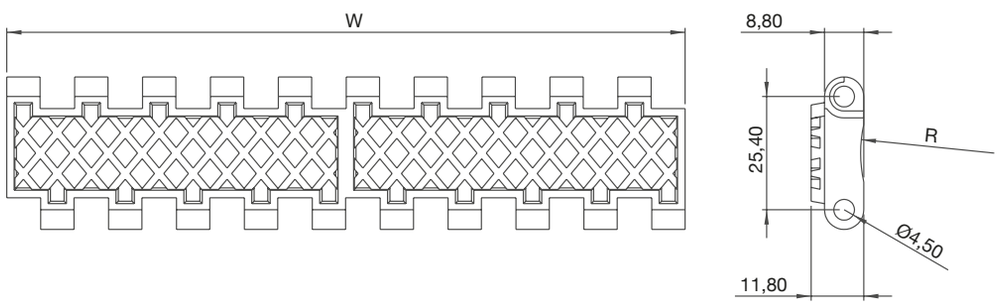
Pitch:	25,4 mm / **1 inch**
Belt Surface:	Close, Friction Surface
Minimum Width:	76,2 mm / **3 inch**
Open Area (%):	0%
Flight:	Yes
Sidewall:	Yes
Pin:	Ø4,5 mm / **0.177 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White
Cleanability:	Good
Belt Thickness:	11,8 mm / **0.465 inch**

XP254 GT Technical Information

Belt Material		**PP**	**PP**
Rubber Material		**TPE**	
Pin Material		**PP**	**POM**
Belt Strength	N/m | **lb/ft**	16200 - **1110**	16200 - **1110**
Temperature	°C °F	+5 / +60 **+40 / +140**	+5 / +60 **+40 / +140**
Belt Weight	kg/m² | **lb/sqft²**	6.9 / **1.42**	6.9 / **1.42**

Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter for gravity take up center drive rollers (min.)		Backbending radius for elevators without side guards or hold down devices (min.)		Backbending radius for elevators with side guards or hold down devices (min.)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
50	**2**	50	**2**	100	**4**	150	**6**	250	**10**

Belth Width mm	152,4	203,2	254,0	304,8	355,6	406,4	457,2	508,0	558,8	609,6	660,4	711,2	762,0	812,8	863,6	914,4	965,2
Belth Width inch	**6.00**	**8.00**	**10.00**	**12.00**	**14.00**	**16.00**	**18.00**	**20.00**	**22.00**	**24.00**	**26.00**	**28.00**	**30.00**	**32.00**	**34.00**	**36.00**	**38.00**
Belth Width mm	1016,0	1066,8	1117,6	1168,4													
Belth Width inch	**40.00**	**42.00**	**44.00**	**46.00**													



Product Features and Functional Benefits

- Unique sprocket engagement - higher product load and longer conveyors.
- Unique sprocket engagement reduces pulsation and increases load capacity.
- Unique rubber top eliminates wear and increases friction in incline-decline applications.
- Extra power, bi-directional belt for long conveyors.
- Chamfered belt edges.

Important Notes

- **Standard belt increments 76,2 mm.**
- **Non-standard belt increments 15,2 mm.**
- Please contact with customer service for precise belt measurements.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- Special raw materials and additional colors available.

XP254 BT

Ball Top

Modular Belt Series

- **Logistic Centers Applications**

Material Handling, Sorting, Packaging

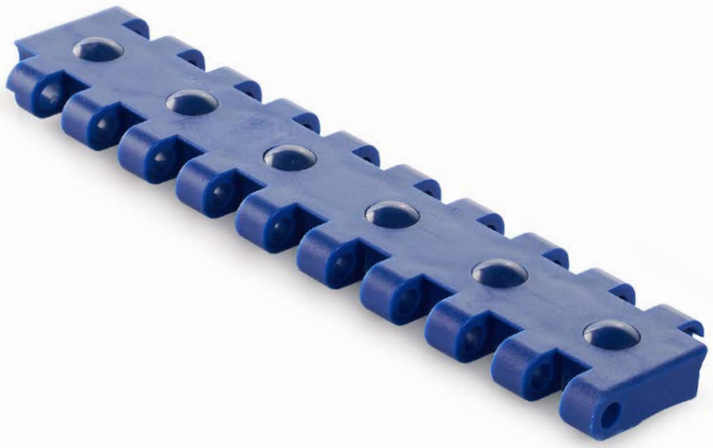
- **Corrugated Cardbord Applications**

Down Stackers, Corrugator Take Off, Strap Feed

XP254 BT *(Ball Top)*

MODUTECH

Pitch:	25,4 mm / **1 inch**
Belt Surface:	Close, Ball Top Surface
Minimum Width:	76,2 mm / **3 inch**
Open Area (%):	0%
Flight:	No
Sidewall:	No
Pin:	Ø4,5 mm / **0.177 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / Gray
Cleanability:	Good
Belt Thickness:	12,7 mm / **0.5 inch**
Ball Material:	**SpeTechPA®**

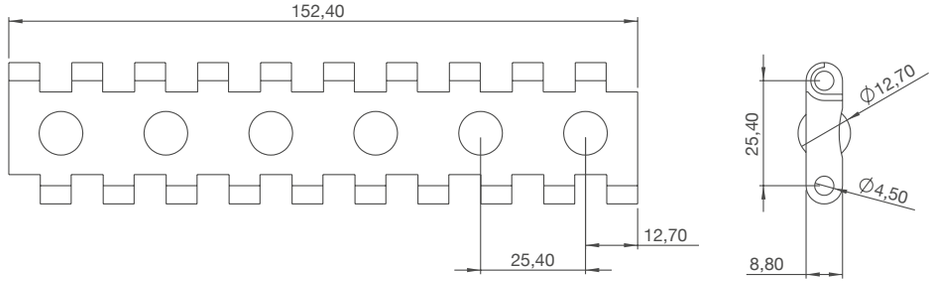


XP254 BT Technical Information

Belt Material		**POM**
Ball Material		**PA**
Pin Material		**PA**
Belt Strength	N/m | **lb/ft**	29500 - **1984**
Temperature	℃ **℉**	-40 / +93 **-40 / +200**
Belt Weight	kg/m² | **lb/sqft²**	9.6 / **1.97**

Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter for gravity take up center drive rollers (min.)		Backbending radius for elevators without side guards or hold down devices (min.)		Backbending radius for elevators with side guards or hold down devices (min.)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
50	**2**	50	**2**	100	**4**	-	**-**	-	**-**

Belth Width mm	152,4	228,6	304,8	381,0	457,2	533,4	609,6	685,8	762,0	838,2	914,4	990,6	1066,8	1143,0	1219,2	1295,4	1371,6
Belth Width inch	**6.00**	**9.00**	**12.00**	**15.00**	**18.00**	**21.00**	**24.00**	**27.00**	**30.00**	**33.00**	**36.00**	**39.00**	**42.00**	**45.00**	**48.00**	**51.00**	**54.00**
Belth Width mm	1447,8	1524,0	1600,2	1676,4													
Belth Width inch	**57.00**	**60.00**	**63.00**	**66.00**													



Product Features and Functional Benefits

- Unique sprocket engagement - higher product load and longer conveyors.
- Unique sprocket engagement reduces pulsation and increases load capacity.
- Designed for **multi-directional** product handling.
- Extra power, bi-directional belt for long conveyors.
- Chamfered belt edges.

Important Notes

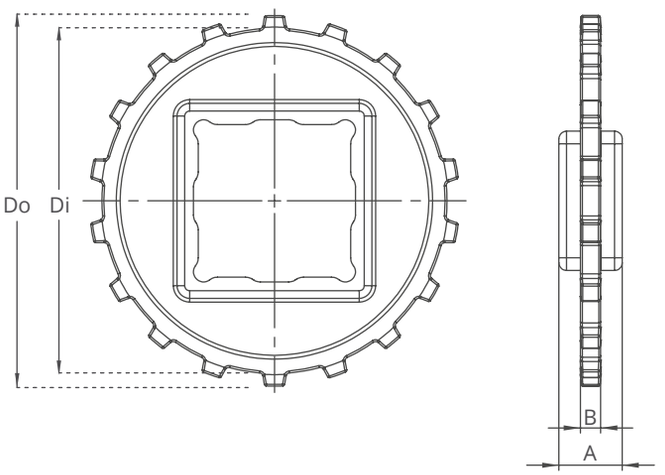
- **Standard belt increments 76,2 mm.**
- Please contact with customer service for precise belt measurements.
- Physical belt widths are generally 0.1% to 0.3% bigger.
- Special raw materials and additional colors available.

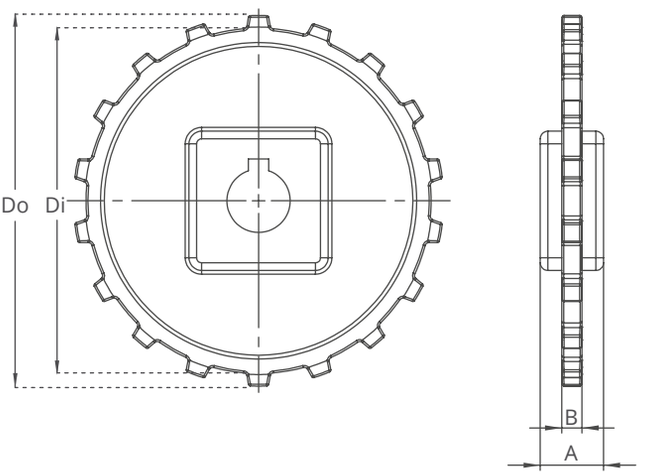
XP254 Series

Sprockets and Technical Specifications

Z18

Z18





- **Split moulded sprockets are available for XP254 Z15 & Z18!**

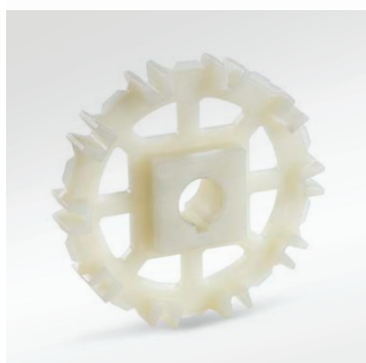
XP254 Series / Standard Sprockets Dimensions

NO.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	53,2 / **2.09**	64,0 / **2.52**	8 / **0.31**	25 / **0.98**	25	-	25-30	**1-1.25**	XP254SQZ8*PA	XP254SRZ8*PA
Z10	71,5 / **2.82**	81,2 / **3.2**	8 / **0.31**	25 / **0.98**	25-40	**1-1.5**	25-30	**1-1.25**	XP254SQZ10*PA	XP254SRZ10*PA
Z12	88,1 / **3.50**	98,1 / **3.86**	8 / **0.31**	25 / **0.98**	40	**1.5**	25-30	**1-1.25**	XP254SQZ12*PA	XP254SRZ12*PA
Z15	112,8 / **4.44**	122,4 / **4.82**	8 / **0.31**	25 / **0.98**	40-60	**1.5-2.5**	25-30	**1-1.25**	XP254SQZ15*PA	XP254SRZ15*PA
Z18	136,4 / **5.37**	146,4 / **5.76**	8 / **0.31**	25 / **0.98**	40-60	**1.5-2.5**	25-30	**1-1.25**	XP254SQZ18*PA	XP254SRZ18*PA

*Other sprockets and hub sizes are manufactured up to request. *POM (Acetal) and PP (Polypropylene) sprockets raw material is available on request.
***Machined Split Sprockets are avaliable for each size.**

Clamp

Machined Split Sprocket

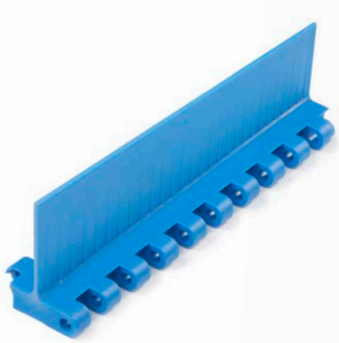


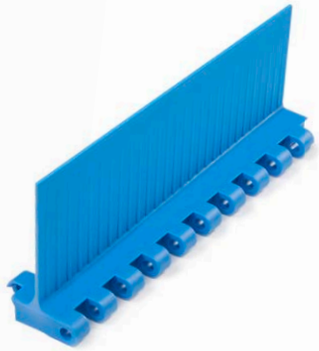
Moulded Sprocket

Machined Sprocket

XP254 Series

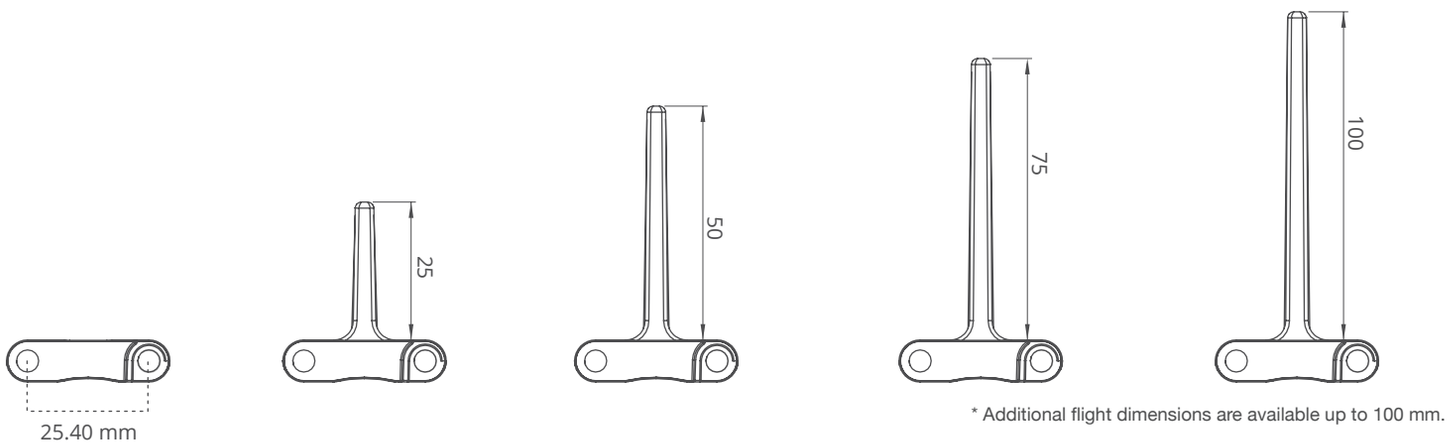
Accessories and Technical Specifications



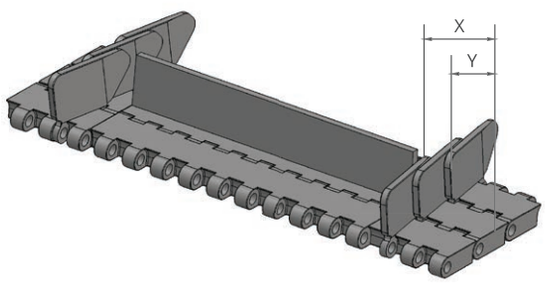


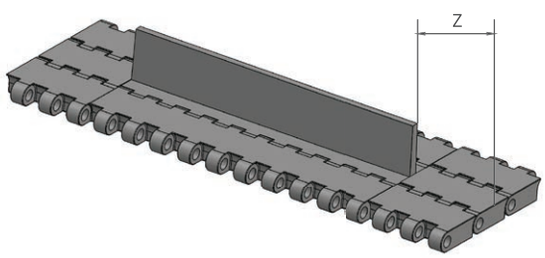
XP254 Series / Flight & Sidewall Dimensions

XP254 Series / Flights & Sidewalls				
PRODUCT CODE	Flight Height (mm/**inch**)	Flight Width (mm/**inch**)	PRODUCT CODE	Sidewall Height (mm/**inch**)
-	-	-	XP254SW12.7	12,7 / **0,5**
XP254T25	25 / **1**	152,4 / **6**	XP254SW25	25 / **1**
XP254T50	50 / **2**	152,4 / **6**	XP254SW50	50 / **2**
XP254T75	75 / **3**	152,4 / **6**	XP254SW75	75 / **3**
XP254T100	100 / **4**	152,4 / **6**	XP254SW100	100 / **4**



* Additional flight dimensions are available up to 100 mm.





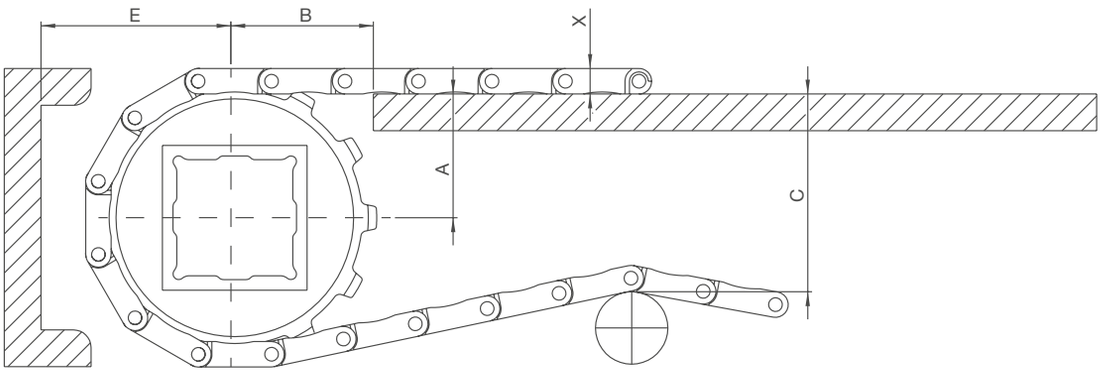
XP254 Series / Flight & Sidewall Technical Specifications

Possible Sidewall and Flights Indents	X		Y		Z	
	mm	**inch**	mm	**inch**	mm	**inch**
Standard, module cutting	24,1	**0,95**	13,7	**0,54**	30,5	**1,20**
Non-Standard, module cutting	31,9	**1,25**	21,5	**0,84**	38,1	**1,50**
Standard, module cutting	39,3	**1,55**	28,9	**1,14**	45,7	**1,80**
Non-Standard, module cutting	47,1	**1,85**	36,7	**1,44**	53,3	**2,10**
Standard, no module cutting	54,6	**2,15**	44,2	**1,74**	61,0	**2,40**

Note: Gap between flight and sidewall minimum 2-3 mm
Gap between flight and sidewall maximum 10 mm
***Non-standard flight indent is on request.**

XP254 Series
Engineering Information

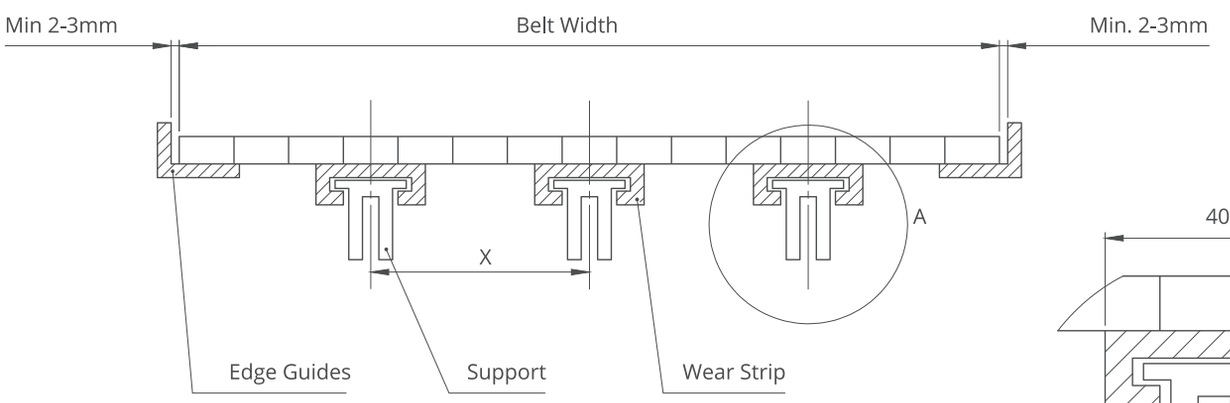
A - ± 0,031" (1mm)
B - ± 0,125" (3mm)
C - ± (Max.)
E - ± (Min.)

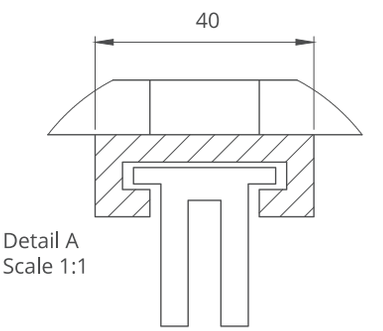


XP254 Series / Conveyor Frame Dimensions

Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)		inch	mm	inch	mm	inch	mm	inch	mm
inch	mm		inch	mm								
XP254 FLT CR, XP254 C, XP254 FG, XP254 PR22%												
2.32	59,0	8	**1.17**	29,8	**1.43**	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
XP254 CR												
2.32	59,0	8	**1.17**	29,8	**1.44**	36,5	**1.94**	49,3	**1.91**	48,6	**0.37**	9,3
2.99	76,0	10	**1.47**	37,0	**1.69**	42,9	**2.57**	65,4	**2.21**	56,2	**0.37**	9,3
3.59	91,2	12	**1.79**	45,5	**1.86**	47,3	**3.19**	81,1	**2.53**	64,3	**0.37**	9,3
4.65	118,0	15	**2.22**	56,3	**2.13**	54,1	**4.15**	105,3	**2.96**	75,1	**0.37**	9,3
5.67	144,0	18	**2.71**	69,0	**2.31**	58,7	**5.16**	131,0	**3.45**	87,8	**0.37**	9,3
XP254 GT												
2.32	59,0	8	**1.17**	29,8	**1.43**	36,5	**2.06**	52,3	**2.03**	51,6	**0.46**	11,8
2.99	76,0	10	**1.47**	37,0	**1.69**	42,9	**2.69**	68,3	**2.33**	59,2	**0.46**	11,8
3.59	91,2	12	**1.79**	45,5	**1.86**	47,3	**3.32**	84,3	**2.65**	67,3	**0.46**	11,8
4.65	118,0	15	**2.22**	56,3	**2.13**	54,1	**4.26**	108,3	**3.07**	78,1	**0.46**	11,8
5.67	144,0	18	**2.71**	69,0	**2.31**	58,7	**5.27**	134,0	**3.57**	90,8	**0.46**	11,8
XP254 BT												
2.32	59,0	8	**1.17**	29,8	**1.44**	36,5	**1.94**	49,3	**2.03**	51,6	**0.50**	12,7
2.99	76,0	10	**1.47**	37,0	**1.69**	42,9	**2.57**	65,4	**2.33**	59,2	**0.50**	12,7
3.59	91,2	12	**1.79**	45,5	**1.86**	47,3	**3.19**	81,1	**2.65**	67,3	**0.50**	12,7
4.65	118,0	15	**2.22**	56,3	**2.13**	54,1	**4.15**	105,3	**3.07**	78,1	**0.50**	12,7
5.67	144,0	18	**2.71**	69,0	**2.31**	58,7	**5.16**	131,0	**3.57**	90,8	**0.50**	12,7

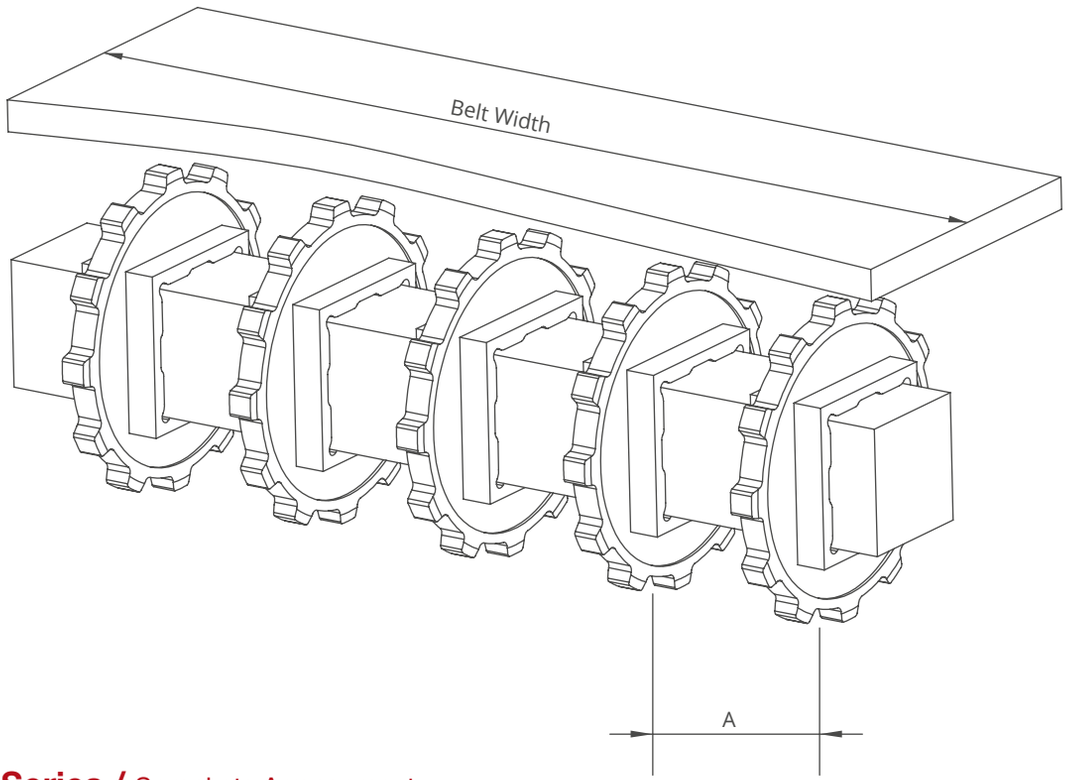
XP254 Series / Slider Support System For Straight Running Belts





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

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



XP254 Series / 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 the belt load.

MODUTECH®

EC254

Modular Belt Series

EC254 C
EC254 GT / Friction Top
EC254 PR16%
EC254 NT
Sprockets & Accessories
Engineering Information

FDA

www.modutech.com.tr

EC254 C

Modular Belt Series

- **Meat (Beef and Pork) Applications**

Fat - Trim Lines, General Conveyence, Packing Lines, Elevator

- **Poultry Applications**

Debonning, Trim Lines, Offal - Feather Lines, Grading Lines, Freezing Lines, Elevator

- **Seafood Applications**

Inspection Tables, Grading Lines, Trim Lines

- **Bakery Applications**

Row Dough Handling, Cooling Lines, Packing Line**s**

- **Snack Food Applications**

Corn Processing

- **Fruits and Vegetables Applications**

Bulk Feeding, Elevator, Control - Sorting Table

- **Packaging Applications**

Labelling, Palletizing - Depallettizing

EC254 C

MODUTECH

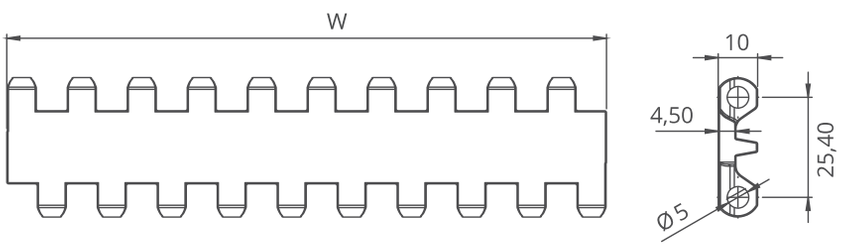
Pitch:	25,4 mm / **1 inch**
Belt Surface:	Close, Smooth Surface
Minimum Width:	152,4 mm / **6 inch**
Open Area (%):	0%
Flight:	Yes
Sidewall:	Yes
Pin:	Ø5 mm / **0.197 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White
Cleanability:	Excellent
Belt Thickness:	10 mm / **0.394 inch**

EC254 C Technical Information

Belt Material		**POM**	**POM**	**POM**	**PP**	**PP**	**PE**
Pin Material		**PA**	**POM**	**PP**	**PP**	**POM**	**POM**
Belt Strength	N/m | **lb/ft**	21900 - **1500**	21900 - **1500**	16000 - **1096**	14000 - **959**	14000 - **959**	8000 -**548**
Temperature	˚C **˚F**	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	+5 / +93 **+40 / +200**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +200**	-40 / +65 **+40 / +150**
Belt Weight	kg/m² | **lb/sqft²**	7.3 / **1.49**	7.3 / **1.49**	7.3 / **1.49**	4.9 / **1.00**	4.9 / **1.00**	5.2 / **1.05**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
50	**2**	50	**2**	100	**4**	150	**6**	250	**10**

Belth Width mm	76,2	152,4	228,6	304,8	381,0	457,20	533,4	609,6	685,8	762,0	838,2	914,4	990,6	1066,8	1143,0	1219,2	1295,4
Belth Width inch	**3.00**	**6.00**	**9.00**	**12.00**	**15.00**	**18.00**	**21.00**	**24.00**	**27.00**	**30.00**	**33.00**	**36.00**	**39.00**	**42.00**	**45.00**	**48.00**	**51,00**
Belth Width mm	1371,6	1447,8	1524,0	1600,2													
Belth Width inch	**54.00**	**57.00**	**60.00**	**63.00**													



Product Features and Functional Benefits

- Easy to clean reduces downtime for cleaning time 70%.
- Unique sprocket engagement - higher product load and longer conveyors.
- Close transfer applications.
- Reduces bacteria growth.

Important Notes

- **Standard belt increments 76,2 mm.**
- **Non-standard belt increments 15,2 mm.**
- Please contact with customer service for precise belt measurements.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- For PE material up to 750 mm (30") -5 mm to -1 mm and -0.75% to -0.35% for wider belts.
- For PP material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.
- Special raw materials and additional colors available.
- For POM material up to 750 mm (30") -4 mm to 0mm and -0.3% to -0.1% for wider belts.

EC254 GT

Friction Top

Modular Belt Series

- **Meat (Beef and Pork) Applications**

Fat - Trim Lines, General Conveyence, Packing Lines, Elevator

- **Poultry Applications**

Debonning, Trim Lines, Offal - Feather Lines, Grading Lines, Freezing Lines, Elevator

- **Seafood Applications**

Inspection Tables, Grading Lines, Trim Lines

- **Bakery Applications**

Row Dough Handling, Cooling Lines, Packing Lines

- **Snack Food Applications**

Corn Processing

- **Fruits and Vegetables Applications**

Bulk Feeding, Elevator, Control - Sorting Table

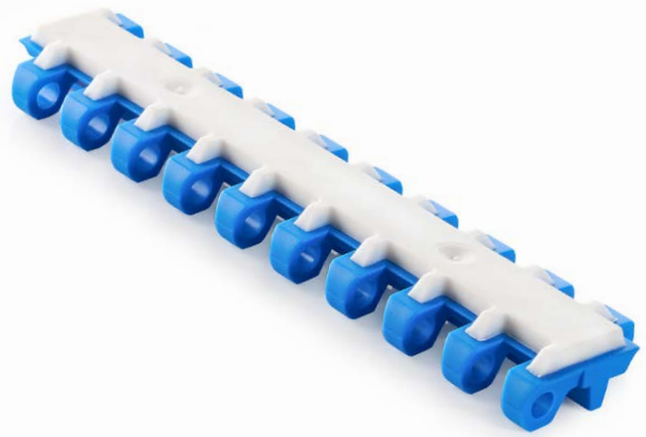
- **Packaging Applications**

Labelling, Palletizing - Depallettizing

EC254 GT *(Friction Top)*

MODUTECH

Pitch:	25,4 mm / **1 inch**
Belt Surface:	Close, Friction Surface
Minimum Width:	152,4 mm / **6 inch**
Open Area (%):	0%
Flight:	Yes
Sidewall:	Yes
Pin:	Ø5 mm / **0.197 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White
Cleanability:	Excellent
Belt Thickness:	13,5 mm / **0.53 inch**

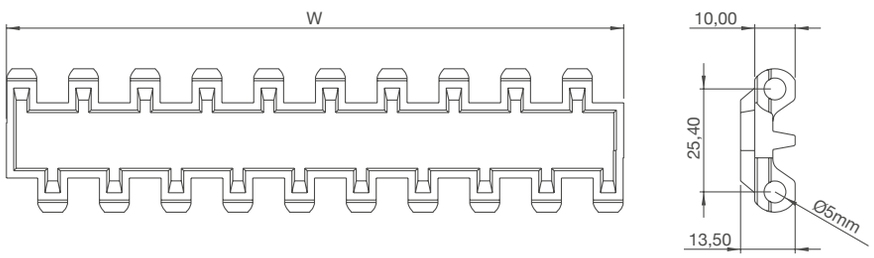


EC254 GT Technical Information

Belt Material		**PP**	**PP**
Rubber Material		**TPE**	
Pin Material		**PP**	**POM**
Belt Strength	N/m | **lb/ft**	14000 - **959**	14000 - **959**
Temperature	˚C **˚F**	+5 / +60 **+40 / +140**	+5 / +60 **+40 / +140**
Belt Weight	kg/m² | **lb/sqft²**	5.2 / **1.05**	5.2 / **1.05**

Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter for gravity take up center drive rollers (min.)		Backbending radius for elevators without side guards or hold down devices (min.)		Backbending radius for elevators with side guards or hold down devices (min.)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
50	**2**	50	**2**	100	**4**	150	**6**	250	**10**

Belth Width mm	152,4	203,6	254,0	355,6	406,4	508,0	558,8	609,6	660,4	711,2	762,0	812,8	863,6	914,4	965,2	1016,8	1066,8
Belth Width inch	**3.00**	**6.00**	**9.00**	**12.00**	**15.00**	**18.00**	**21.00**	**24.00**	**27.00**	**30.00**	**33.00**	**36.00**	**39.00**	**42.00**	**45.00**	**48,00**	**51,00**
Belth Width mm	1117,6	1168,4															
Belth Width inch	**54.00**	**57.00**															



Product Features and Functional Benefits

- Easy to clean reduces downtime for cleaning time 70%.
- Unique sprocket engagement - higher product load and longer conveyors.
- Unique rubber top eliminates wear and increases friction in incline-decline applications.

Important Notes

- **Standard belt increments 76,2 mm.**
- **Non-standard belt increments 15,2 mm.**
- Please contact with customer service for precise belt measurements.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- Special raw materials and additional colors available.
- For PP material up to 750 mm (30") -1 mm to 2 mm and 0% to 0.45% for wider belts.

EC254 PR16%

Modular Belt Series

- **Meat and Poultry Applications**

General Conveyance and Breading Lines

- **Fruit and Vegetable Applications**

Including Elevators, Steam Peeler, Inspection Tables

- **Seafood Applications**

Including Elevators, Inspection Tables, Grading Lines, Trim Lines, Glazing Lines, Cooking Lines

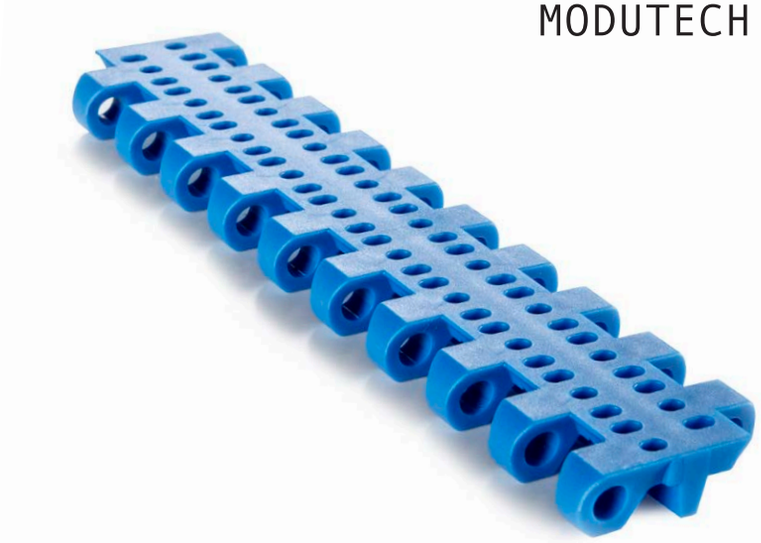
- **Bakery Applications**

Including Raw Dough Handling, Cooling Lines, Icing Lines, Packing Lines, Metal Detectors

EC254 PR16%

MODUTECH

Pitch:	25,4 mm / **1 inch**
Belt Surface:	Open, Smooth Surface
Minimum Width:	152,4 mm / **6 inch**
Open Area (%):	16%. (Biggest opening 2,5 x 4,5 mm)
Flight:	Yes
Sidewall:	Yes
Pin:	Ø5 mm / **0.197 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White
Cleanability:	Excellent
Belt Thickness:	10 mm / **0.394 inch**

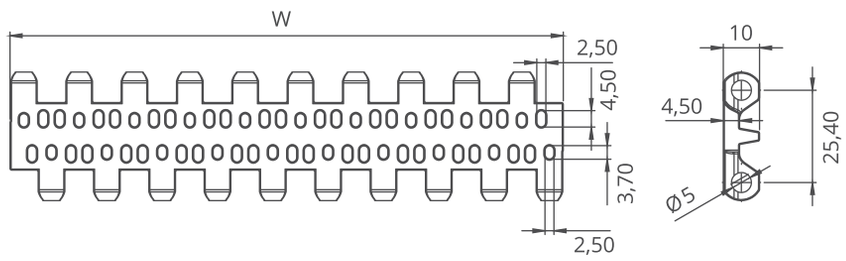


EC254 PR16% Technical Information

Belt Material		POM	POM	POM	PP	PP	PE
Pin Material		**PA**	**POM**	**PP**	**PP**	**POM**	**POM**
Belt Strength	N/m | **lb/ft**	19800 - **1356**	19800 - **1356**	14000 - **959**	12100 - **828**	12100 - **828**	7700 -**527**
Temperature	˚C ˚F	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	+5 / +93 **+40 / +200**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +200**	-40 / +65 **+40 / +150**
Belt Weight	kg/m² | **lb/sqft²**	6.5 / **1.33**	6.5 / **1.33**	6.5 / **1.33**	4.5 / **0.92**	4.5 / **0.92**	4.7 / **0.96**

Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter for gravity take up center drive rollers (min.)		Backbending radius for elevators without side guards or hold down devices (min.)		Backbending radius for elevators with side guards or hold down devices (min.)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
50	**2**	50	**2**	100	**4**	150	**6**	250	**10**

Belth Width mm	76,2	152,4	228,6	304,8	381,0	457,20	533,4	609,6	685,8	762,0	838,2	914,4	990,6	1066,8	1143,0	1219,2	1295,4
Belth Width inch	**3.00**	**6.00**	**9.00**	**12.00**	**15.00**	**18.00**	**21.00**	**24.00**	**27.00**	**30.00**	**33.00**	**36.00**	**39.00**	**42.00**	**45.00**	**48.00**	**51,00**
Belth Width mm	1371,6	1447,8	1524,0	1600,2													
Belth Width inch	**54.00**	**57.00**	**60.00**	**63.00**													



Product Features and Functional Benefits

- Easy to clean reduces downtime for cleaning time 70%.
- Unique sprocket engagement - higher product load and longer conveyors.
- Close transfer applications.
- Reduces bacteria growth.

Important Notes

- **Standard belt increments 76,2 mm.**
- **Non-standard belt increments 15,2 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- For PE material up to 750 mm (30") -4 mm to -1 mm and -0.75% to -0.35% for wider belts.
- For PP material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.

EC254 NT

Modular Belt Series

- **Meat (Beef and Pork) Applications**

Elevator

- **Poultry Applications**

Elevator, Freezing Lines

- **Seafood Applications**

Control Tables, Glazing

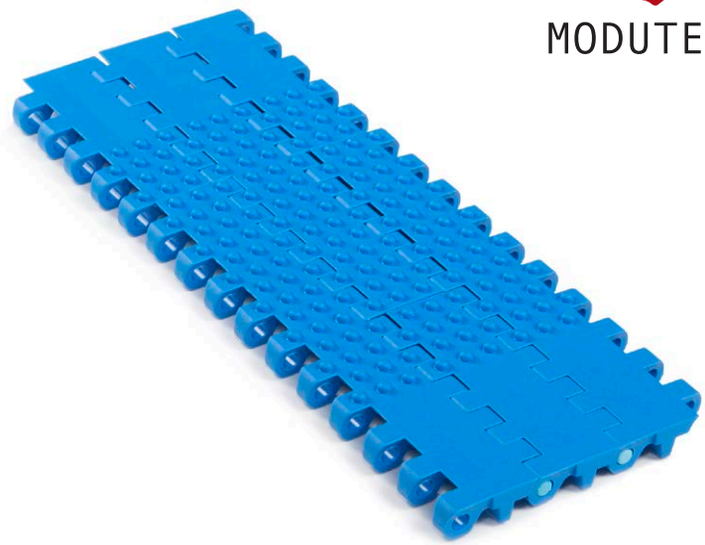
- **Fruits and Vegetables**

Including Elevator

EC254 NT

MODUTECH

Pitch:	25,4 mm / **1 inch**
Belt Surface:	Close, Nub Top Surface
Minimum Width:	152,4 mm / **6 inch**
Open Area (%):	0%
Flight:	Yes
Sidewall:	Yes
Pin:	Ø5 mm **/ 0.197 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White
Cleanability:	Excellent
Belt Thickness:	12 mm / **0.472 inch**

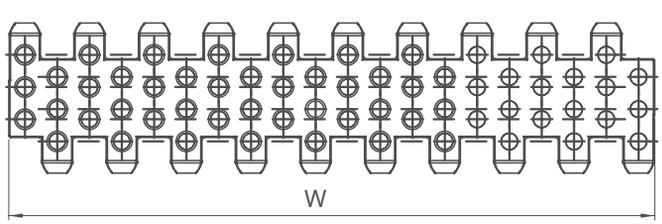


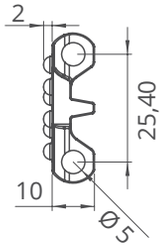
EC254 NT Technical Information

Belt Material		**POM**	**POM**	**POM**	**PP**	**PP**	**PE**
Pin Material		**PA**	**POM**	**PP**	**PP**	**POM**	**POM**
Belt Strength	N/m | **lb/ft**	21900 - **1500**	21900 - **1500**	16000 - **1096**	14000 - **959**	14000 - **959**	8000 -**548**
Temperature	°C °F	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	+5 / +93 **+40 / +200**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +200**	-40 / +65 **+40 / +150**
Belt Weight	kg/m² | **lb/sqft²**	7.7 / **1.57**	7.7 / **1.57**	7.7 / **1.57**	5.1 / **1.05**	5.1 / **1.05**	5.4 / **1.11**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
50	**2**	50	**2**	100	**4**	150	**6**	250	**10**

Belth Width mm	76,2	152,4	228,6	304,8	381,0	457,20	533,4	609,6	685,8	762,0	838,2	914,4	990,6	1066,8	1143,0	1219,2	1295,4
Belth Width inch	**3.00**	**6.00**	**9.00**	**12.00**	**15.00**	**18.00**	**21.00**	**24.00**	**27.00**	**30.00**	**33.00**	**36.00**	**39.00**	**42.00**	**45.00**	**48.00**	**51,00**
Belth Width mm	1371,6	1447,8	1524,0	1600,2													
Belth Width inch	**54.00**	**57.00**	**60.00**	**63.00**													





Product Features and Functional Benefits

- Easy to clean reduces downtime for cleaning time 70%.
- Unique sprocket engagement - higher product load and longer conveyors.
- Close transfer applications.
- Reduces bacteria growth.

Important Notes

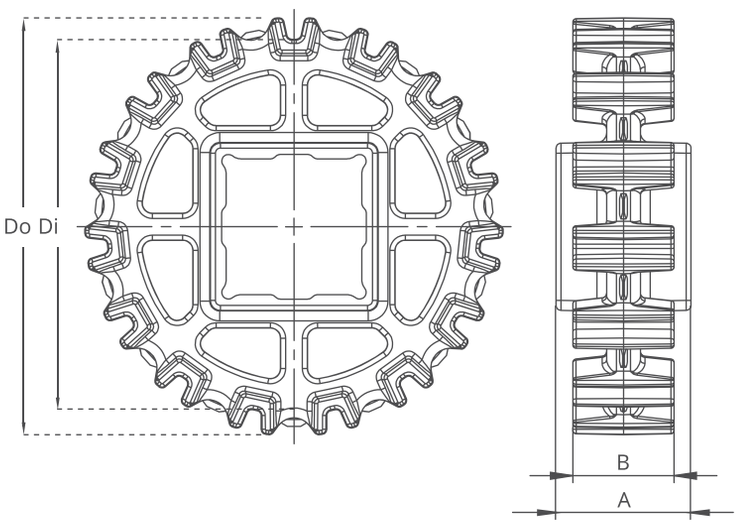
- **Standard belt increments 76,2 mm.**
- **Non-standard belt increments 15,2 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- For PE material up to 750 mm (30") -5 mm to -2 mm and -0.75% to -0.35% forwider belts.
- For PP material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.
- For POM material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.

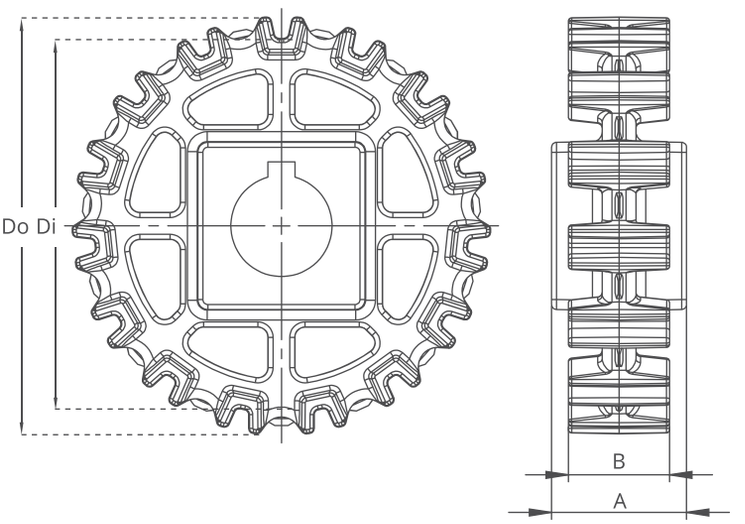
EC254 Series

Sprockets and Technical Specifications

Z15

Z15





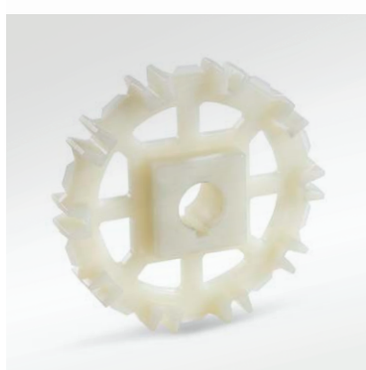
EC254 Series / Moulded Sprockets Dimensions

NO.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	49,9 / **1.96**	62,5 / **2.45**	30 / **1.18**	40 / **1.57**	25	**1**	20-25	**1**	EC254SQZ8*POM	EC254SRZ8*POM
Z10	68,0 / **2.68**	80,8 / **3.18**	30 / **1.18**	40 / **1.57**	40	**1.5**	25-30	**1-1.25**	EC254SQZ10*POM	EC254SRZ10*POM
Z12	84,7 / **3.33**	97,6 / **3.84**	30 / **1.18**	40 / **1.57**	40	**1.5**	25-30	**1-1.25**	EC254SQZ12*POM	EC254SRZ12*POM
Z15	109,6 / **4.31**	122,5 / **4.82**	30 / **1.18**	40 / **1.57**	40	**1.5**	25-30	**1-1.25**	EC254SQZ15*POM	EC254SRZ15*POM
Z18	134,4 / **5.29**	147,2 / **5.80**	30 / **1.18**	40 / **1.57**	40	**1.5**	25-30	**1-1.25**	EC254SQZ18*POM	EC254SRZ18*POM

*Other sprockets and hub sizes are manufactured up to request. *PA (Polyamide) and PP (Polypropylene) sprockets raw material is available on request.
***Machined Split Sprockets are avaliable for each size.**

Clamp

Machined Split Sprocket



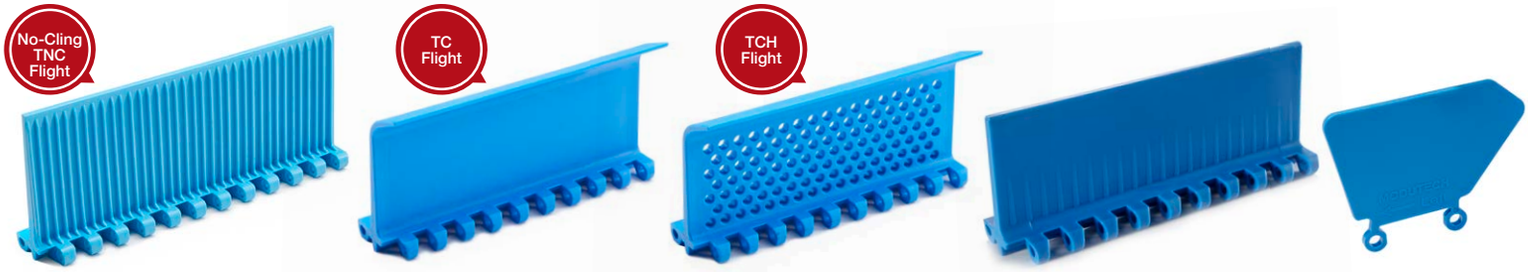
Moulded Sprocket

Machined Sprocket

EC254 Series

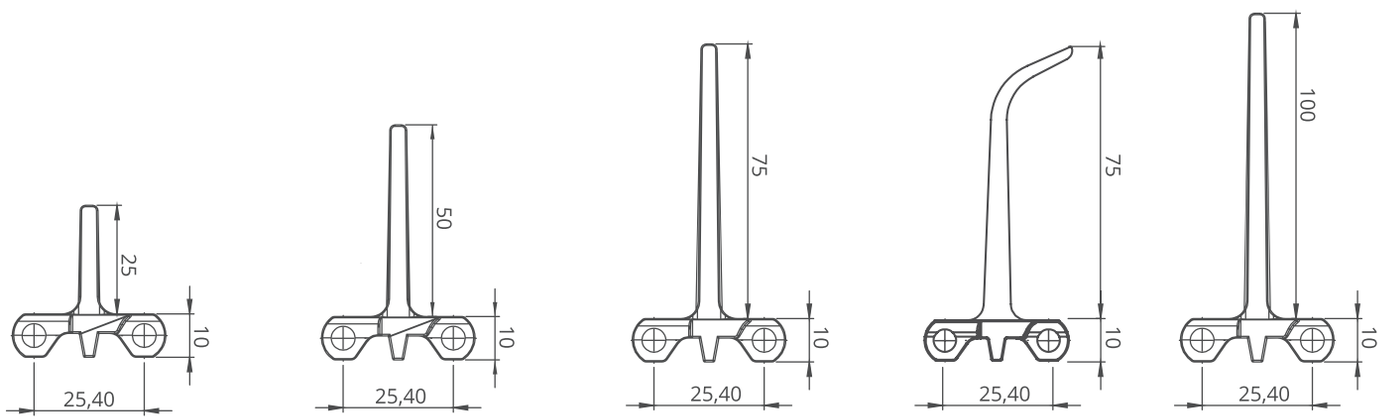
Accessories and Technical Specifications

MODUTECH

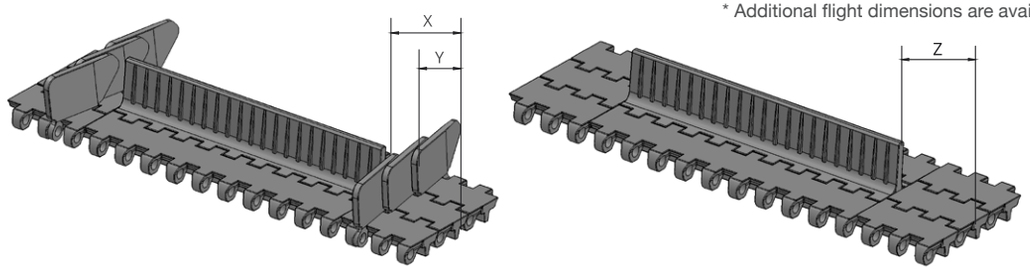


EC254 Series / Flight & Sidewall Dimensions

EC254 Series / Flights & Sidewalls				
PRODUCT CODE	Flight Height (mm/**inch**)	Flight Width (mm/**inch**)	PRODUCT CODE	Sidewall Height (mm/**inch**)
EC254T25	25 / **1**	152,4 / **6**	EC254SW25	25 / **1**
EC254T50	50 / **2**	152,4 / **6**	EC254SW50	50 / **2**
EC254T75	75 / **3**	152,4 / **6**	EC254SW75	75 / **3**
EC254T100	100 / **4**	152,4 / **6**	EC254SW100	100 / **4**
EC254TC75	75 / **3**	152,4 / **6**	-	-
EC254TCH75	75 / **3**	152,4 / **6**	-	-
EC254TNC50	50 / **2**	152,4 / **6**	-	-
EC254TNC100	100 / **4**	152,4 / **6**	-	-



* Additional flight dimensions are available up to 100 mm.



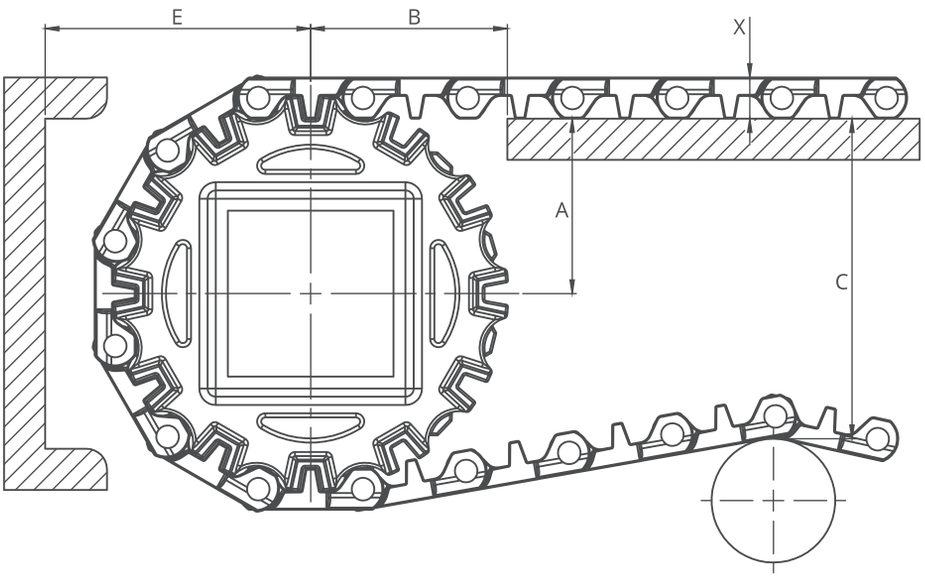
EC254 Series / Flight & Sidewall Technical Specifications

Possible Sidewall and Flights Indents	X		Y		Z	
	mm	**inch**	mm	**inch**	mm	**inch**
Standard, module cutting	24,1	**0.95**	13,7	**0.54**	30,5	**1.20**
Non-Standard, module cutting	31,9	**1.25**	21,5	**0.84**	38,1	**1.50**
Standard, module cutting	39,3	**1.55**	28,9	**1.14**	45,7	**1.80**
Non-Standard, module cutting	47,1	**1.85**	36,7	**1.44**	53,3	**2.10**
Standard, no module cutting	54,6	**2.15**	44,2	**1.74**	61,0	**2.40**

Note: Gap between flight and sidewall minimum 2-3 mm
Gap between flight and sidewall maximum 10 mm
***Non-standard flight indent is on request.**

EC254 Series
Engineering Information

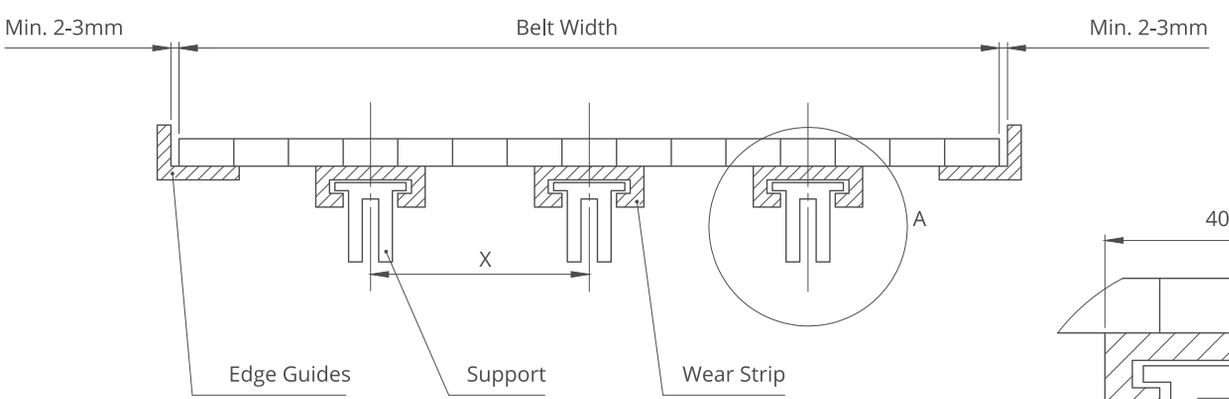
A - ± 0,031" (1mm)
B - ± 0,125" (3mm)
C - ± (Max.)
E - ± (Min.)

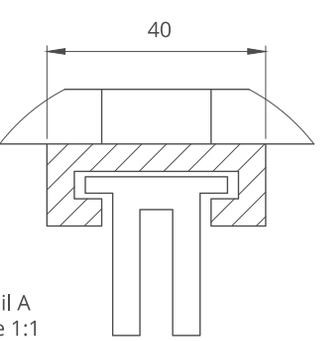


EC254 Series / Conveyor Frame Dimensions

Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)									
inch	mm		inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
EC254 C, EC254 PR16%												
2.30	58,5	8	**1.16**	29,4	**1.48**	37,6	**1.92**	48,7	**1.94**	49,4	**0.39**	10
2.97	75,5	10	**1.48**	37,5	**1.69**	42,9	**2.57**	65,3	**2.26**	57,5	**0.39**	10
3.63	92,3	12	**1.80**	45,8	**1.87**	47,4	**3.23**	82,0	**2.59**	65,8	**0.39**	10
4.65	118,0	15	**2.23**	56,7	**2.16**	54,9	**4.16**	105,7	**3.02**	76,7	**0.39**	10
5.65	143,0	18	**2.75**	70,0	**2.35**	59,7	**5.18**	131,5	**3.54**	90,0	**0.39**	10
EC254 NT												
2.30	58,5	8	**1.16**	29,4	**1.48**	37,6	**1.92**	48,7	**2.02**	51,4	**0.47**	12
2.97	75,5	10	**1.48**	37,5	**1.69**	42,9	**2.57**	65,3	**2.26**	57,5	**0.47**	12
3.63	92,3	12	**1.80**	45,8	**1.87**	47,4	**3.23**	82,0	**2.70**	67,8	**0.47**	12
4.65	118,0	15	**2.23**	56,7	**2.16**	54,9	**4.16**	105,7	**3.10**	78,7	**0.47**	12
5.65	143,0	18	**2.75**	70,0	**2.35**	59,7	**5.18**	131,5	**3.62**	92,0	**0.47**	12
EC254 GT												
2.30	58,5	8	**1.16**	29,4	**1.48**	37,6	**1.92**	48,7	**2.10**	53,6	**0.51**	13
2.97	75,5	10	**1.48**	37,5	**1.69**	42,9	**2.57**	65,3	**2.30**	58,5	**0.51**	13
3.63	92,3	12	**1.80**	45,8	**1.87**	47,4	**3.23**	82,0	**2.75**	69,8	**0.51**	13
4.65	118,0	15	**2.23**	56,7	**2.16**	54,9	**4.16**	105,7	**3.13**	79,7	**0.51**	13
5.65	143,0	18	**2.75**	70,0	**2.35**	59,7	**5.18**	131,5	**3.66**	93,0	**0.51**	13

EC254 Series / Slider Support System For Straight Running Belts

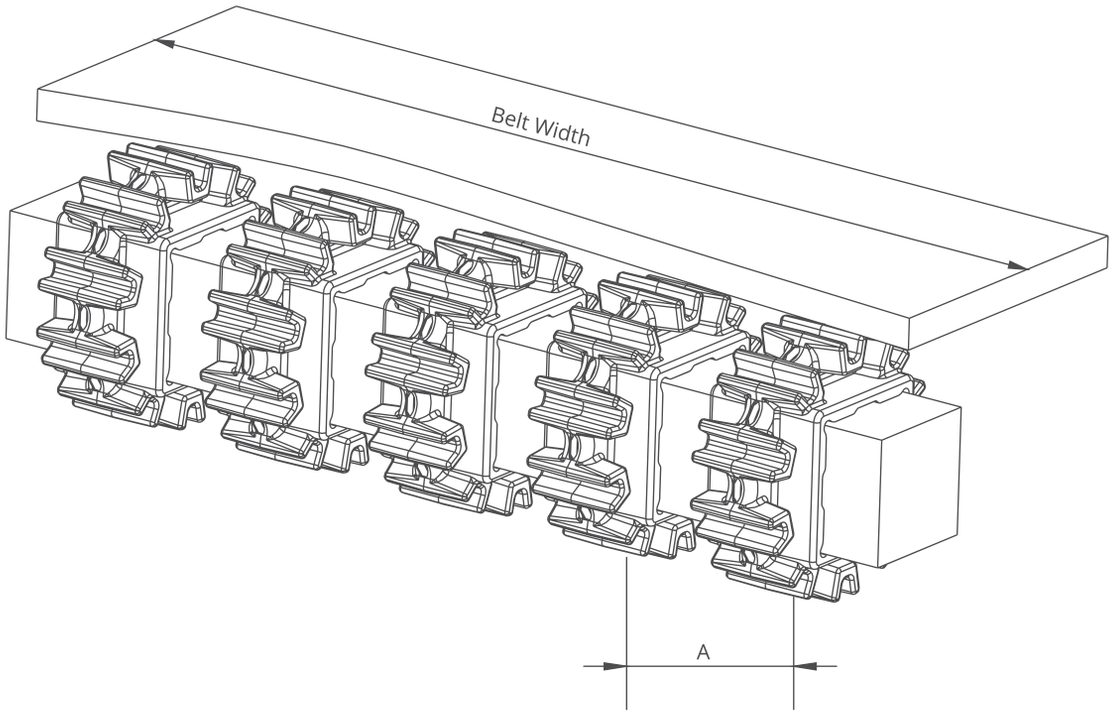




Detail A
Scale 1:1

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

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



EC254 Series / 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 the belt load.

MODUTECH®

HD254

Heavy Duty Series

Modular Belt Series

HD254 C

Sprockets

Engineering Information

FDA

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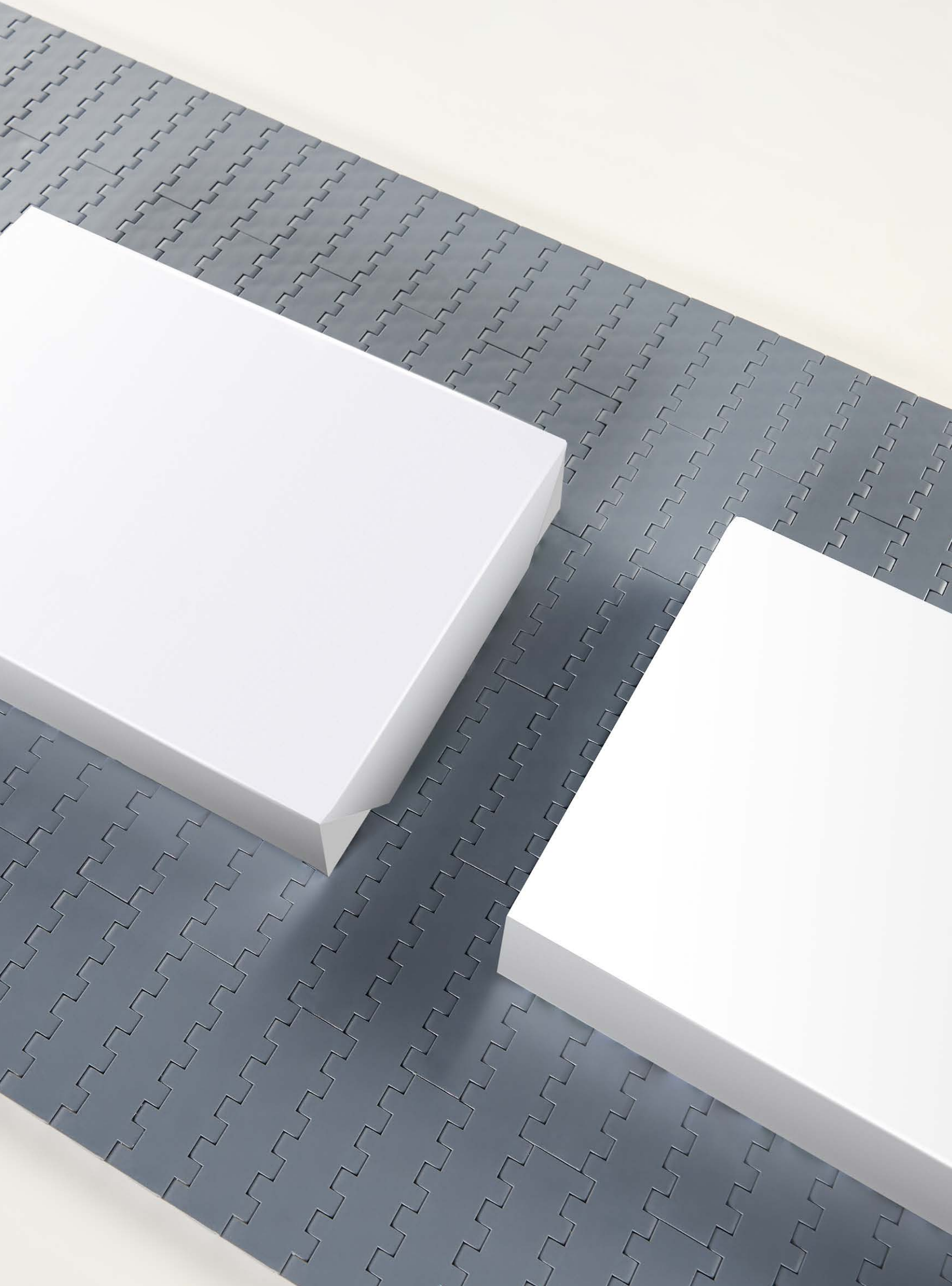


HD254 C

Modular Belt Series

- **Corrugated Cardbord Applications**

Down Stackers, Corrugator Take Off, Strap Feed

- **Lumber Industry**

Lumber Transport, Cutting Process

- **Automotive Applications**

Chair Lift - Feader

- **Tire Manufacturing Applications**

Mixer Infeed - Outfeed, Calendering Infeed, Extrusion Outfeed

- **Packaging Applications**

Bluk Inclines, Box Transport Horizontal

HD254 C

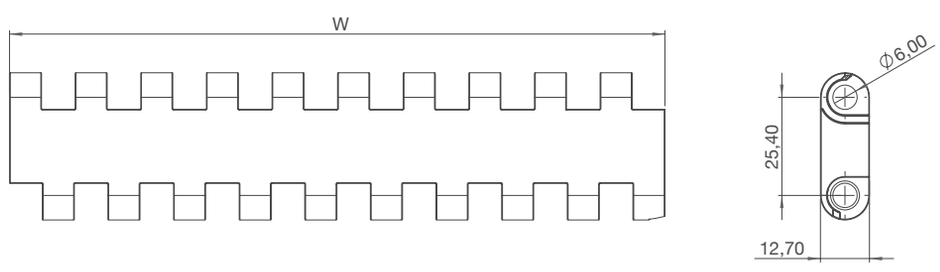
Pitch:	25,4 mm / **1 inch**
Belt Surface:	Close, Smooth Surface
Minimum Width:	169,3 mm / **6.67 inch**
Open Area (%):	0%
Flight:	No
Sidewall:	No
Pin:	Ø6 mm **/ 0.22 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / Gray
Cleanability:	Excellent
Belt Thickness:	12,7 mm / **0.5 inch**

HD254 C Technical Information

Belt Material		**POM**
Pin Material		**PA**
Belt Strength	N/m | **lb/ft**	33000 - **2261**
Temperature	°C **°F**	-40 / +93 **-40 / +200**
Belt Weight	kg/m² | **lb/sqft²**	13.8 / **2.83**

Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter for gravity take up center drive rollers (min.)		Backbending radius for elevators without side guards or hold down devices (min.)		Backbending radius for elevators with side guards or hold down devices (min.)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
50	**2**	50	**2**	100	**4**	150	**6**	-	**-**

Belth Width mm	169,3	338,6	507,9	677,2	846,5	1015,8	1185,1	1354,4	1523,7	1693,0	1862,3	2031,6	2200,9	2370,2	2539,5	2708,8	2878,1
Belth Width inch	**6.67**	**13.33**	**20.00**	**26.66**	**33.33**	**39.99**	**46.66**	**53.32**	**59.99**	**66.65**	**73.32**	**79.98**	**86.65**	**93.31**	**99.98**	**106.65**	**113.31**
Belth Width mm	3047,4	3216,7	3386,0	3555,3													
Belth Width inch	**119.98**	**126.64**	**133.31**	**139.97**													



Product Features and Functional Benefits

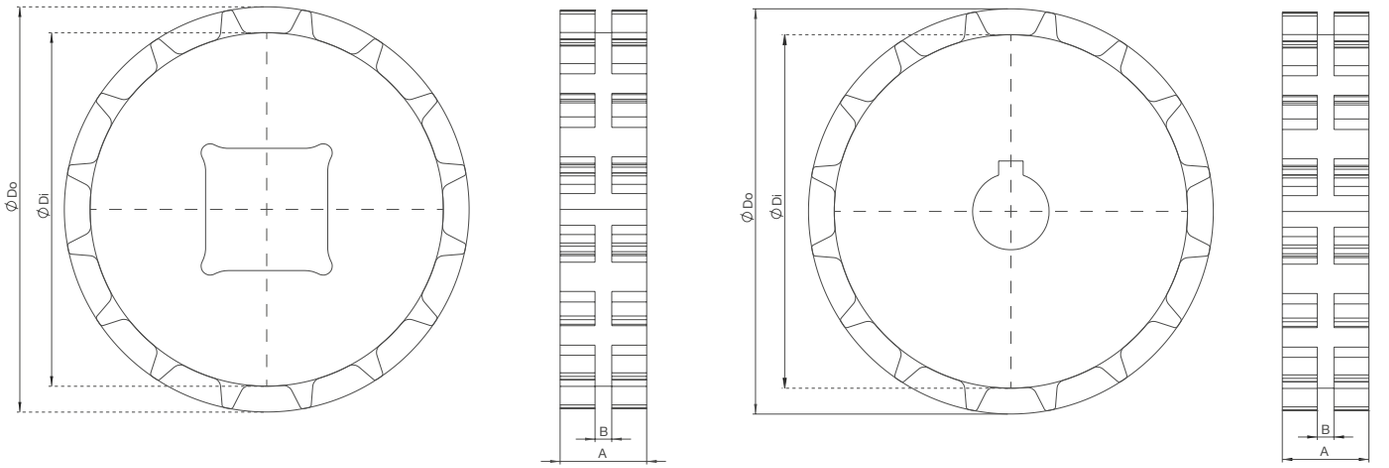
- Easy to clean reduces downtime for cleaning time 70%.
- Reinforced bottom surface - higher product load and longer conveyors.
- Strong and thick product supports allow more load without breaking.
- Unique sprocket engagement reduces pulsation and increases load capacity.
- Impact resistance to with stand heavy objects falling into the belt.

Important Notes

- **Standard belt increments 85 mm.**
- **Non-standard belt increments 16,9 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- Up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.

HD254 C Series

Sprockets and Technical Specifications

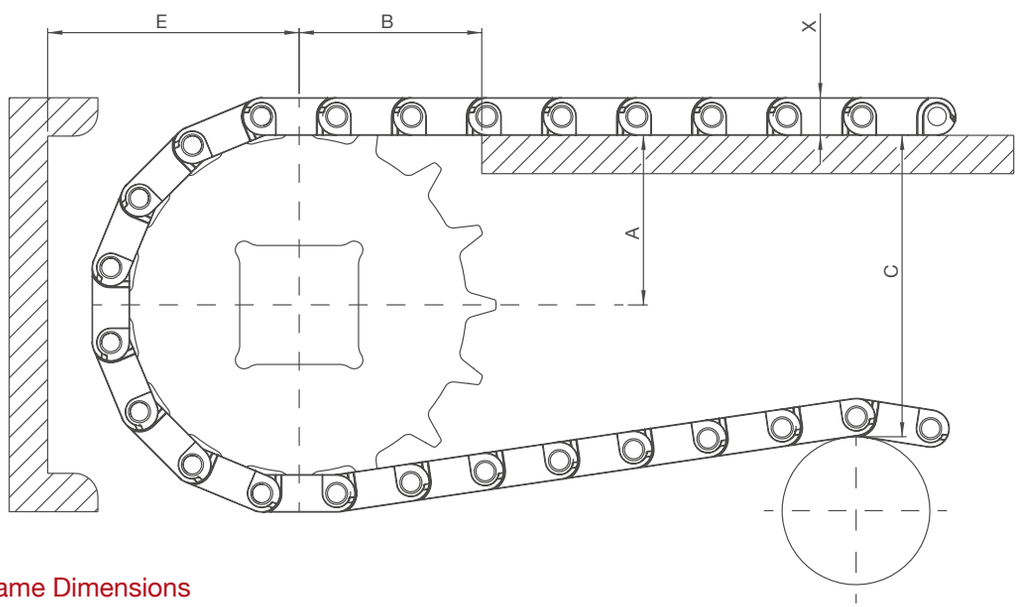


HD254 C Series / Standard Sprockets Dimensions

NO.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)
Z12	83,1 / **3.27**	100,1 / **3.94**	5,5 / **0.22**	28,5 / **1.12**	25	**1**	25	**1**	HD254SQZ12*POM	HD254SRZ12*POM
Z16	116,3 / **4.58**	133,3 / **5.25**	5,5 / **0.22**	28,5 / **1.12**	40	**1.5**	25-30	**1-1.25**	HD254SQZ15*POM	HD254SRZ15*POM
Z18	132,5 / **5.22**	149,5 / **5.88**	5,5 / **0.22**	28,5 / **1.12**	40	**1.5**	25-30	**1-1.25**	HD254SQZ18*POM	HD254SRZ18*POM
Z21	156,8 / **6.17**	173,8 / **6.84**	5,5 / **0.22**	28,5 / **1.12**	40-60	**1.5-2.5**	25-30	**1-1.25**	HD254SQZ21*POM	HD254SRZ21*POM

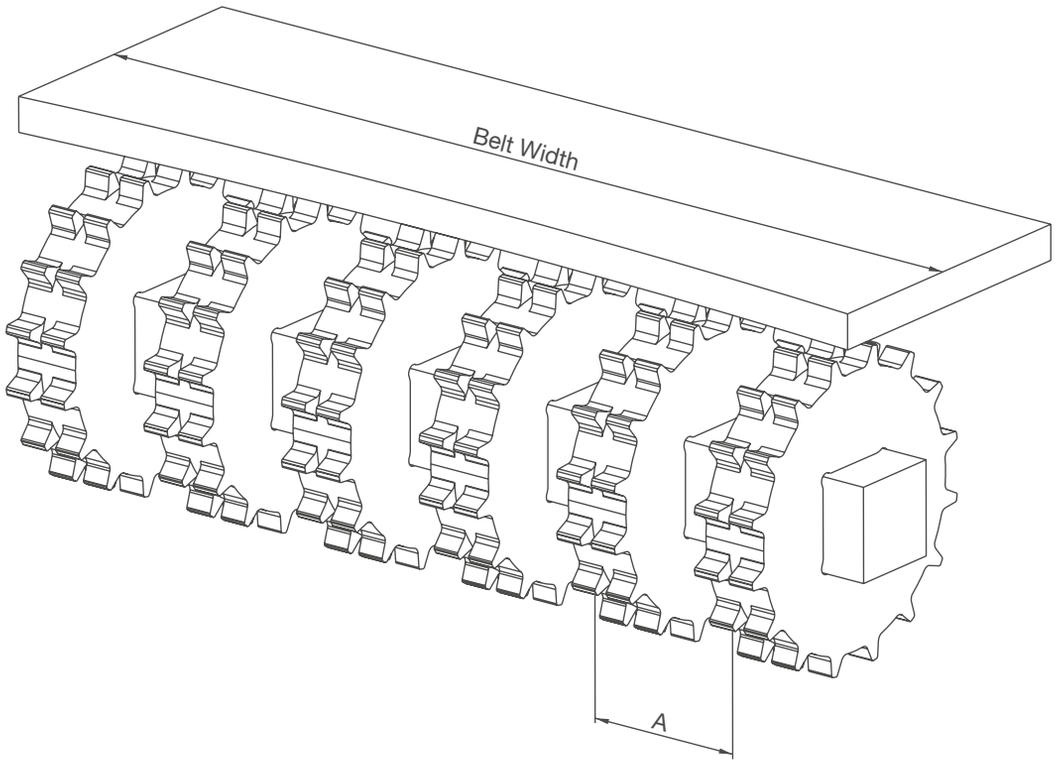
*Other sprockets and hub sizes are manufactured up to request. *POM (Acetal) and PP (Polypropylene) sprockets raw material is available on request.
***Machined Split Sprockets are avaliable for each size.**

A - ± 0,031" (1mm)
B - ± 0,125" (3mm)
C - ± (Max.)
E - ± (Min.)



HD254 C Series / Conveyor Frame Dimensions

Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)									
inch	mm		**inch**	mm	**inch**	mm	**inch**	mm	**inch**	mm	**inch**	mm
HD254 C												
3.89	98,8	12	**1.89**	47,9	**1.89**	47,9	**3.18**	80,8	**2.70**	68,5	**0.50**	12,7
5.01	127,3	16	**2.54**	64,5	**2.15**	54,5	**4.50**	114,2	**3.35**	85,2	**0.50**	12,7
5.65	143,5	18	**2.86**	72,6	**2.21**	56,2	**5.13**	130,2	**3.67**	93,3	**0.50**	12,7
6.61	167,8	21	**3.34**	84,8	**2.70**	68,6	**6.09**	154,6	**4.14**	105,1	**0.50**	12,7



HD254 C Series / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/**inch**)	
mm	**inch**	Drive Shaft	Return Shaft	Min.	Max.
170	**6.7**	2	2	60/**2.36**	170/**6.7**
255	**10.0**	2	2	60/**2.36**	170/**6.7**
340	**13.4**	3	3	60/**2.36**	170/**6.7**
425	**16.7**	3	3	60/**2.36**	170/**6.7**
510	**20.1**	4	4	60/**2.36**	170/**6.7**
595	**23.4**	4	4	60/**2.36**	170/**6.7**
680	**26.8**	5	5	60/**2.36**	170/**6.7**
765	**30.1**	5	5	60/**2.36**	170/**6.7**
850	**33.5**	5	5	60/**2.36**	170/**6.7**
935	**36.8**	6	6	60/**2.36**	170/**6.7**
1020	**40.2**	6	6	60/**2.36**	170/**6.7**
1105	**43.5**	7	7	60/**2.36**	170/**6.7**
1190	**46.9**	7	7	60/**2.36**	170/**6.7**
1275	**50.2**	8	8	60/**2.36**	170/**6.7**
1360	**53.5**	8	8	60/**2.36**	170/**6.7**
1445	**56.9**	9	9	60/**2.36**	170/**6.7**
1530	**60.2**	9	9	60/**2.36**	170/**6.7**
1615	**63.6**	10	10	60/**2.36**	170/**6.7**
1700	**66.9**	10	10	60/**2.36**	170/**6.7**
1785	**70.3**	11	11	60/**2.36**	170/**6.7**
1870	**73.6**	11	11	60/**2.36**	170/**6.7**
1955	**77.0**	12	12	60/**2.36**	170/**6.7**
2040	**80.3**	12	12	60/**2.36**	170/**6.7**

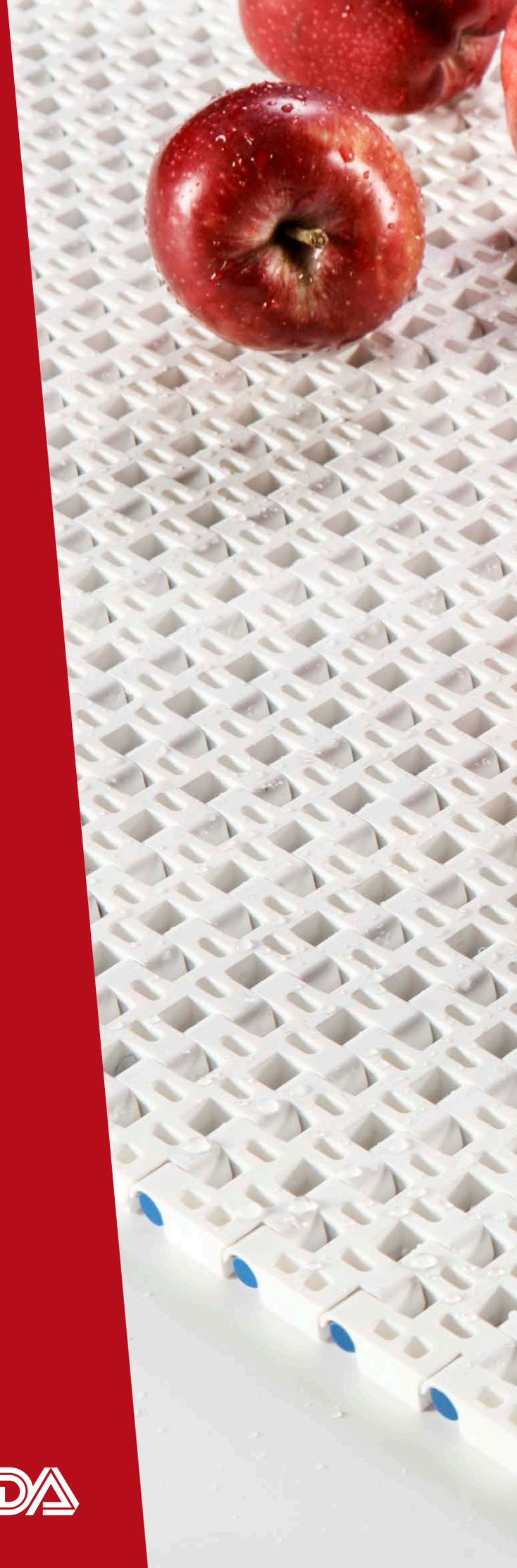
Note: Number of sprockets depends on the belt load.

MODUTECH®

MD254

Modular Belt Series

MD254 FG
MD254 FG-RT / Roller Top
MD254 C
MD254 C-RT / Roller Top
MD254 GT / Friction Top
MD254 RR
MD254 GAP48%
Sprockets & Accessories
Engineering Information



FDA

www.modutech.com.tr

MD254 FG

Modular Belt Series

- **Bakery Applications**

Oven Infeed - Outfeed, Cooling Lines, Coating Lines, Glazing Lines, Freezing Lines, Conditioning Lines

- **Poultry Applications**

Skinning, Breading Machines and Grading Lines

- **Seafood Applicaitons**

Breading Machines, Draining Lines, Glazing Lines, Elevators, Freezing Lines

- **Snack Food Applications**

Proofer Lines, Boiler Infeed, Oven Infeed - Outfeed, Cooling Lines

- **Fruits and Vegetables Applications**

Prewashing - Rinsing, Draining, Blanching Lines, Elevators

- **Packaging Applications**

Filling, Accumulation Palletizing - Depalletizing, Box Transfer

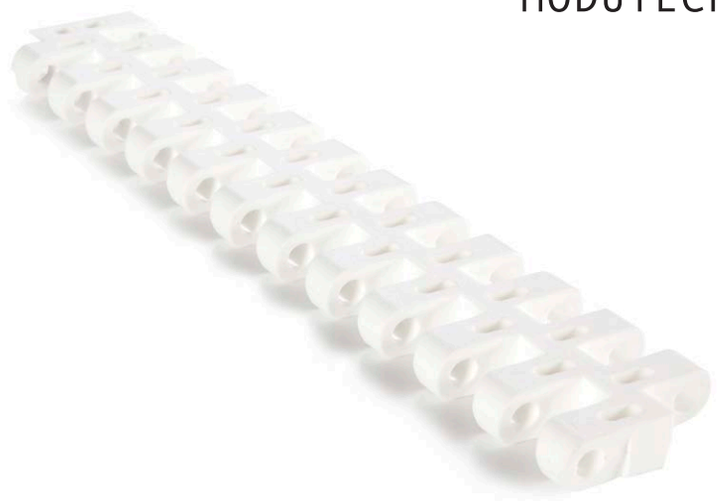
- **Textile Applications**

Cutter, Dyeing

MD254 FG

MODUTECH

Pitch:	25,4 mm / **1 inch**
Belt Surface:	Open, Smooth Surface
Minimum Width:	50 mm / **1.97 inch**
Open Area (%):	33%. (Biggest opening 5,5 x 7 mm)
Flight:	Yes
Sidewall:	Yes
Pin:	Ø 5 mm / **0.197 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Good
Belt Thickness:	10 mm / **0.394 inch**

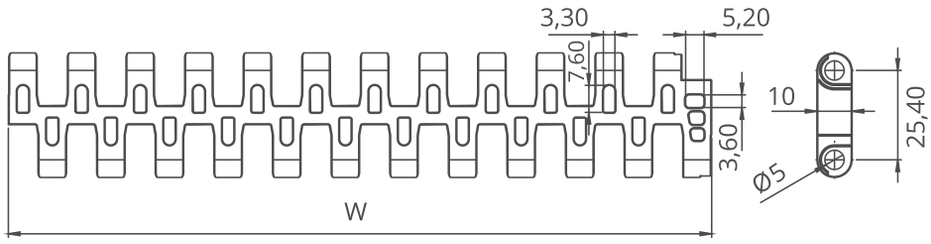


MD254 FG Technical Information

Belt Material		POM	POM	POM	PP	PP	PE
Pin Material		**PA**	**POM**	**PP**	**PP**	**POM**	**POM**
Belt Strength	N/m | **lb/ft**	24700 - **1692**	24700 - **1692**	18000 - **1233**	14000 - **959**	14000 - **959**	9000 -**617**
Temperature	°C °F	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	+5 / +93 **+40 / +200**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +200**	-40 / +65 **+40 / +150**
Belt Weight	kg/m² | **lb/sqft²**	7.1 / **1.45**	7.1 / **1.45**	7.1 / **1.45**	4.6 / **0.94**	4.6 / **0.94**	5.1 / **1.04**

Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter for gravity take up center drive rollers (min.)		Backbending radius for elevators without side guards or hold down devices (min.)		Backbending radius for elevators with side guards or hold down devices (min.)	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
50	**2**	50	**2**	100	**4**	150	**6**	250	**10**

Belth Width mm	50,0	100,0	150,0	200,0	250,0	300,0	350,0	400,0	450,0	500,0	550,0	600,0	650,0	700,0	750,0	800,0	850,0
Belth Width inch	**1.97**	**3.94**	**5.91**	**7.87**	**9.84**	**11.81**	**13.78**	**15.75**	**17.72**	**19.69**	**21.65**	**23.62**	**25.59**	**27.56**	**29.53**	**31.50**	**33.46**
Belth Width mm	900,0	950,0	1000,0	1050,0													
Belth Width inch	**35.43**	**37.40**	**39.37**	**41.34**													



Product Features and Functional Benefits

- Belt provides optimal open area for drainage and airflow.
- Less friction and product contact for easy cooking, cooling and freezing of products.
- Reduced dirt and oxide build due to self cleaning surface.
- Bi-directional belt for long conveyors.
- Stainless steel pins option for high temperature applications.
- Easy to clean reduces downtime for cleaning time 70%.
- Stainless steel pins option reduce belt elongation for high temperature application.

Important Notes

- Standard belt increments 50 mm.
- Non-standard belt increments 16,6 mm.
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- For PE material up to 750 mm (30") -5 mm to -1 mm and -0.8% to -0.3% for wider belts.
- For PP material up to 750 mm (30") -2 mm to 1 mm and -0.4% to 0.1% for wider belts.
- For POM material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0.1% for wider belts.

MD254 FG-RT

Roller Top

Modular Belt Series

- **Packaging Applications**
  Filling, Accumulation, Box Transfer

MD254 FG-RT (Roller Top)

MODUTECH

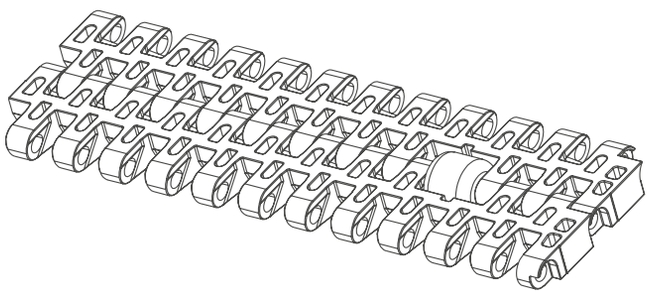
Pitch:	25,4 mm / **1 inch**
Belt Surface:	Open, Roller Top Surface
Minimum Width:	150 mm / **5.91 inch**
Open Area (%):	35%. (Biggest opening 5,5 x 14 mm)
Flight:	No.
Sidewall:	No.
Pin:	Ø 5 mm / **0.197 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Good
Belt Thickness:	18 mm / **0.709 inch**

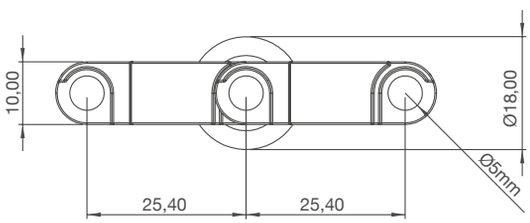
MD254 FG-RT Technical Information

Belt Material		**POM**	**POM**
Roller Material		**POM**	
Pin Material		**PA**	**POM**
Belt Strength	N/m | **lb/ft**	16400 - **1120**	16400 - **1120**
Temperature	°C °F	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**
Belt Weight	kg/m² | **lb/sqft²**	7.1 / **1.45**	7.1 / **1.45**

Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter for gravity take up center drive rollers (min.)		Backbending radius for elevators without side guards or hold down devices (min.)		Backbending radius for elevators with side guards or hold down devices (min.)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
50	**2**	50	**2**	100	**4**	150	**6**	-	**-**

Belth Width mm	150,0	200,0	250,0	300,0	350,0	400,0	450,0	500,0	550,0	600,0	650,0	700,0	750,0	800,0	850,0	900,0	950,0
Belth Width inch	**5.91**	**7.87**	**9.84**	**11.81**	**13.78**	**15.75**	**17.72**	**19.69**	**21.65**	**23.62**	**25.59**	**27.56**	**29.53**	**31.50**	**33.46**	**35.43**	**37.40**
Belth Width mm	1000,0	1050,0	1100,0	1150,0													
Belth Width inch	**39.37**	**41.34**	**43.31**	**45.28**													





Product Features and Functional Benefits

- Belt provides optimal open area for drainage and airflow.
- Easy to drive products. For product driven application wearstrips are placed directly under the rollers.
- Decrease the low back pressure. For low back pressure, wearstrips are placed between rollers.
- Easy to clean reduces downtime for cleaning time 70%.
- Bi-directional belt for long conveyors.

Important Notes

- Standard belt increments 50 mm.
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- Up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0.1% for wider belts.

MD254 C

Modular Belt Series

- **Meat (Beef and Pork) Applications**

Fat - Trim Lines, General Conveyence, Packing Lines, Elevator

- **Poultry Applications**

Debonning, Trim Lines, Offal - Feather Lines, Grading Lines, Freezing Lines, Elevator

- **Seafood Applications**

Inspection Tables, Grading Lines, Trim Lines

- **Bakery Applications**

Row Dough Handling, Cooling Lines, Packing Lines

- **Snack Food Applications**

Corn Processing

- **Fruits and Vegetables Applications**

Bulk Feeding, Elevator, Control - Sorting Table

- **Automotive Applications**

Car Part Manufacturing

- **Tire Manufacturing Applications**

Mixer Infeed - Outfeed, Calendering Infeed, Extrusion Outfeed

- **Packaging Applications**

Labelling, Case Packers, Tray Packers, Palletizing - Depallettizing

- **Corrugated Cardbord Applications**

Down Stracker, Corrugator Take Off, Strap Feed

- **Printing and Paper Applications**

Printing Machine Outfeed, Wrapping Machine Outfeed

- **Beverages and Botteling Applications**

Can Palletizing and Depalletizing, Glass Palletizing and Depalletizing, Pet Palletizing and Depalletizing

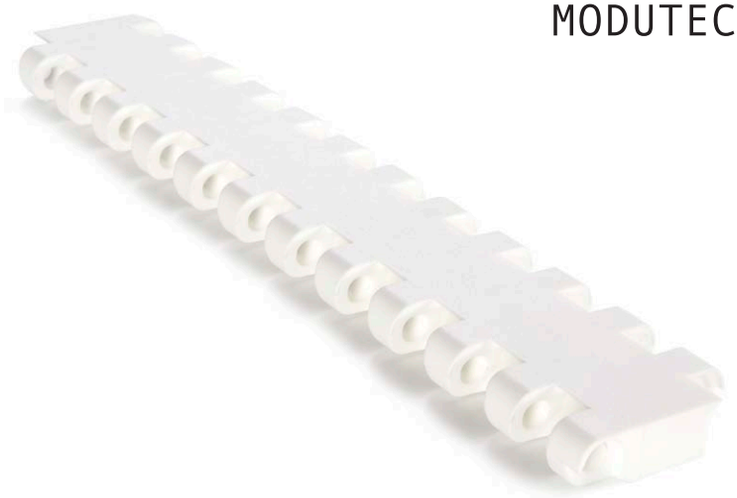
- **Material Handling Applications**

Incline Applications, Palletizers, Packaging Lines

MD254 C

MODUTECH

Pitch:	25,4 mm / **1 inch**
Belt Surface:	Close, Smooth Surface
Minimum Width:	50 mm / **1.97 inch**
Open Area (%):	0%
Flight:	Yes
Sidewall:	Yes
Pin:	Ø 5 mm / **0.197 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Good
Belt Thickness:	10 mm / **0.394 inch**

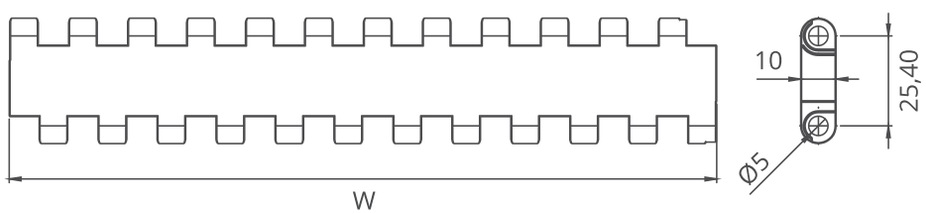


MD254 C Technical Information

Belt Material		**POM**	**POM**	**POM**	**PP**	**PP**	**PE**
Pin Material		**PA**	**POM**	**PP**	**PP**	**POM**	**POM**
Belt Strength	N/m | **lb/ft**	32000 - **2192**	32000 - **2192**	21500 - **1473**	18000 - **1233**	18000 - **1233**	10000 -**685**
Temperature	°C °F	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	+5 / +93 **+40 / +200**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +200**	-40 / +65 **-40 / +150**
Belt Weight	kg/m² | **lb/sqft²**	8.4 / **1.71**	8.4 / **1.71**	8.4 / **1.71**	5.5 / **1.13**	5.5 / **1.13**	5.8 / **1.19**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
50	**2**	50	**2**	100	**4**	150	**6**	250	**10**

Belth Width mm	50,0	100,0	150,0	200,0	250,0	300,0	350,0	400,0	450,0	500,0	550,0	600,0	650,0	700,0	750,0	800,0	850,0
Belth Width inch	**1.97**	**3.94**	**5.91**	**7.87**	**9.84**	**11.81**	**13.78**	**15.75**	**17.72**	**19.69**	**21.65**	**23.62**	**25.59**	**27.56**	**29.53**	**31.50**	**33.46**
Belth Width mm	900,0	950,0	1000,0	1050,0													
Belth Width inch	**35.43**	**37.40**	**39.37**	**41.34**													



Product Features and Functional Benefits

- Easy to clean reduces downtime for cleaning time 70%.
- Unique sprocket engagement - higher product load and longer conveyors.
- Close transfer applications.
- Reduces bacteria growth.
- Bi-directional belt for long conveyors.

Important Notes

- Standard belt increments 50 mm.
- Non-standard belt increments 16,6 mm.
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- For PE material up to 750 mm (30") -3 mm to 1 mm and -0.4% to 0.1% for wider belts.
- For PP material up to 750 mm (30") -1 mm to 2 mm and 0% to 0.45% for wider belts.
- For POM material up to 750 mm (30") -2 mm to 1 mm and -0.25% to 0.25% for wider belts.

MD254 C-RT

Modular Belt Series

- **Packaging Applications**

Labelling, Case Packers, Tray Packers, Palletizing - Depallettizing

- **Material Handling Applications**

Incline Applications, Palletizers, Packaging Lines

- **Beverages and Botteling Applications**

Can Palletizing and Depalletizing, Glass Palletizing and Depalletizing, Pet Palletizing and Depalletizing

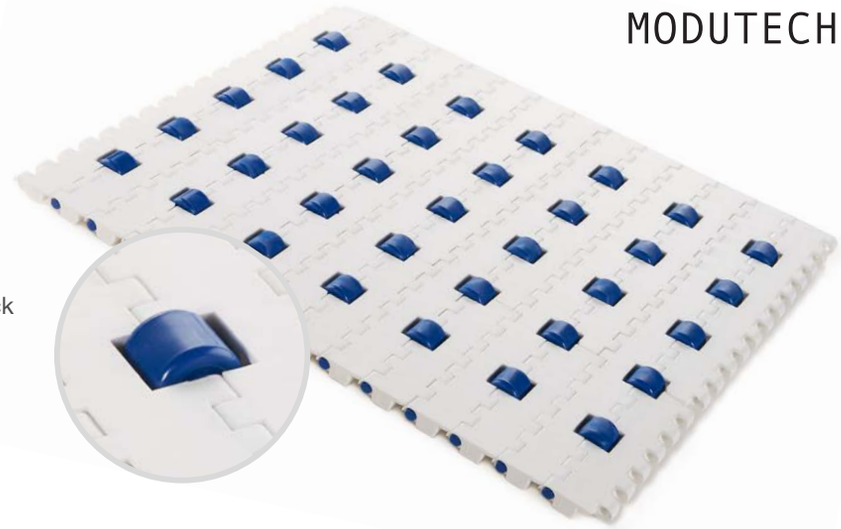
- **Postal & Intralogistics Applications**

Postal Envelope Operations, Carton Box Transfers, Accumulation Lines

MD254 C-RT

MODUTECH

Pitch:	25,4 mm / **1 inch**
Belt Surface:	Close, Roller Top Surface
Minimum Width:	150 mm / **1.97 inch**
Open Area (%):	0%
Flight:	Yes
Sidewall:	Yes
Pin:	Ø 5 mm / **0.197 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Good
Belt Thickness:	18 mm / **0.7 inch**

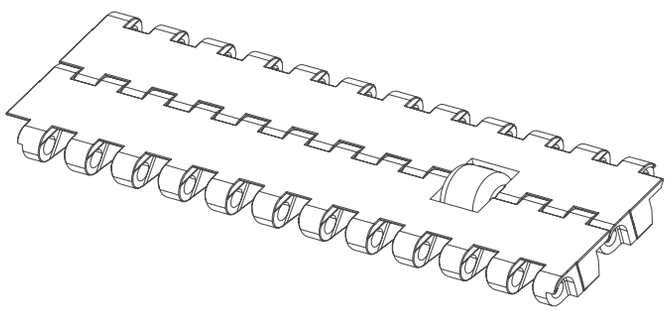


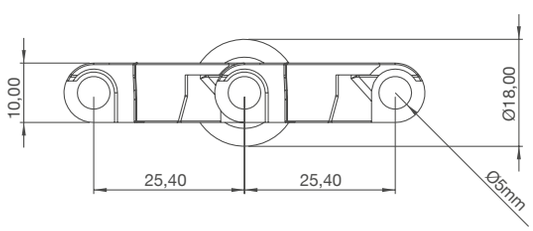
MD254 C-RT Technical Information

Belt Material		**POM**	**POM**
Roller Material		**POM**	
Pin Material		**PA**	**POM**
Belt Strength	N/m | **lb/ft**	21500 - **1473**	21500 - **1473**
Temperature	℃ **℉**	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**
Belt Weight	kg/m² | **lb/sqft²**	8.4 / **1.71**	8.4 / **1.71**

Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter for gravity take up center drive rollers (min.)		Backbending radius for elevators without side guards or hold down devices (min.)		Backbending radius for elevators with side guards or hold down devices (min.)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
50	**2**	50	**2**	100	**4**	150	**6**	-	**-**

Belth Width mm	150,0	200,0	250,0	300,0	350,0	400,0	450,0	500,0	550,0	600,0	650,0	700,0	750,0	800,0	850,0	900,0	950,0
Belth Width inch	**5.91**	**7.87**	**9.84**	**11.81**	**13.78**	**15.75**	**17.72**	**19.69**	**21.65**	**23.62**	**25.59**	**27.56**	**29.53**	**31.50**	**33.46**	**35.43**	**37.40**
Belth Width mm	1000,0	1050,0															
Belth Width inch	**39.37**	**41.34**															





Product Features and Functional Benefits

- Easy to clean reduces downtime for cleaning time 70%.
- Unique sprocket engagement - higher product load and longer conveyors.
- Close transfer applications.
- Reduces bacteria growth.
- Bi-directional belt for long conveyors.

Important Notes

- **Standard belt increments 50 mm.**
- **Non-standard belt increments 16,6 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- For PE material up to 750 mm (30") -3 mm to 1 mm and -0.4% to 0.1% for wider belts.

MD254 GT

Friction Top

Modular Belt Series

- **Snack Food Applications**

Incline - Decline Lines, Container Conveyance

- **Packaging Applications**

Box Incline - Decline Lines

- **Beverage Applications**

Incline - Decline Lines, Filling, Box Transfer

MD254 GT *(Friction Top)*

MODUTECH

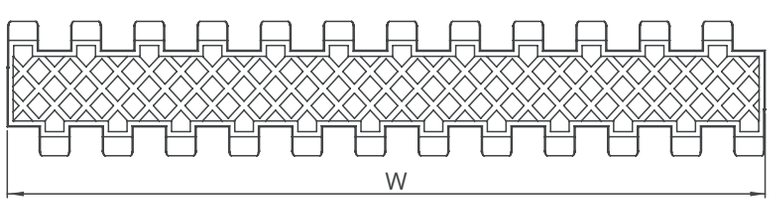
Pitch:	25,4 mm / **1 inch**
Belt Surface:	Close, Friction Surface
Minimum Width:	50 mm / **1.97 inch**
Open Area (%):	0%
Flight:	Yes
Sidewall:	Yes
Pin:	Ø 5 mm / **0.197 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Good
Belt Thickness:	14 mm / **0.551 inch**

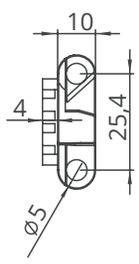
MD254 GT Technical Information

Belt Material		**PP**	**PP**
Rubber Material		**TPE**	
Pin Material		**PP**	**POM**
Belt Strength	N/m | **lb/ft**	14000 - **959**	18000 - **1233**
Temperature	˚C **˚F**	+5 / +60 **+40 / +140**	+5 / +60 **+40 / +140**
Belt Weight	kg/m² | **lb/sqft²**	8.7 / **1.74**	8.7 / **1.74**

Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter for gravity take up center drive rollers (min.)		Backbending radius for elevators without side guards or hold down devices (min.)		Backbending radius for elevators with side guards or hold down devices (min.)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
50	**2**	50	**2**	100	**4**	150	**6**	250	**10**

Belth Width mm	50,0	100,0	150,0	200,0	250,0	300,0	350,0	400,0	450,0	500,0	550,0	600,0	650,0	700,0	750,0	800,0	850,0
Belth Width inch	**1.97**	**3.94**	**5.91**	**7.87**	**9.84**	**11.81**	**13.78**	**15.75**	**17.72**	**19.69**	**21.65**	**23.62**	**25.59**	**27.56**	**29.53**	**31.50**	**33.46**
Belth Width mm	900,0	950,0	1000,0	1050,0													
Belth Width inch	**35.43**	**37.40**	**39.37**	**41.34**													



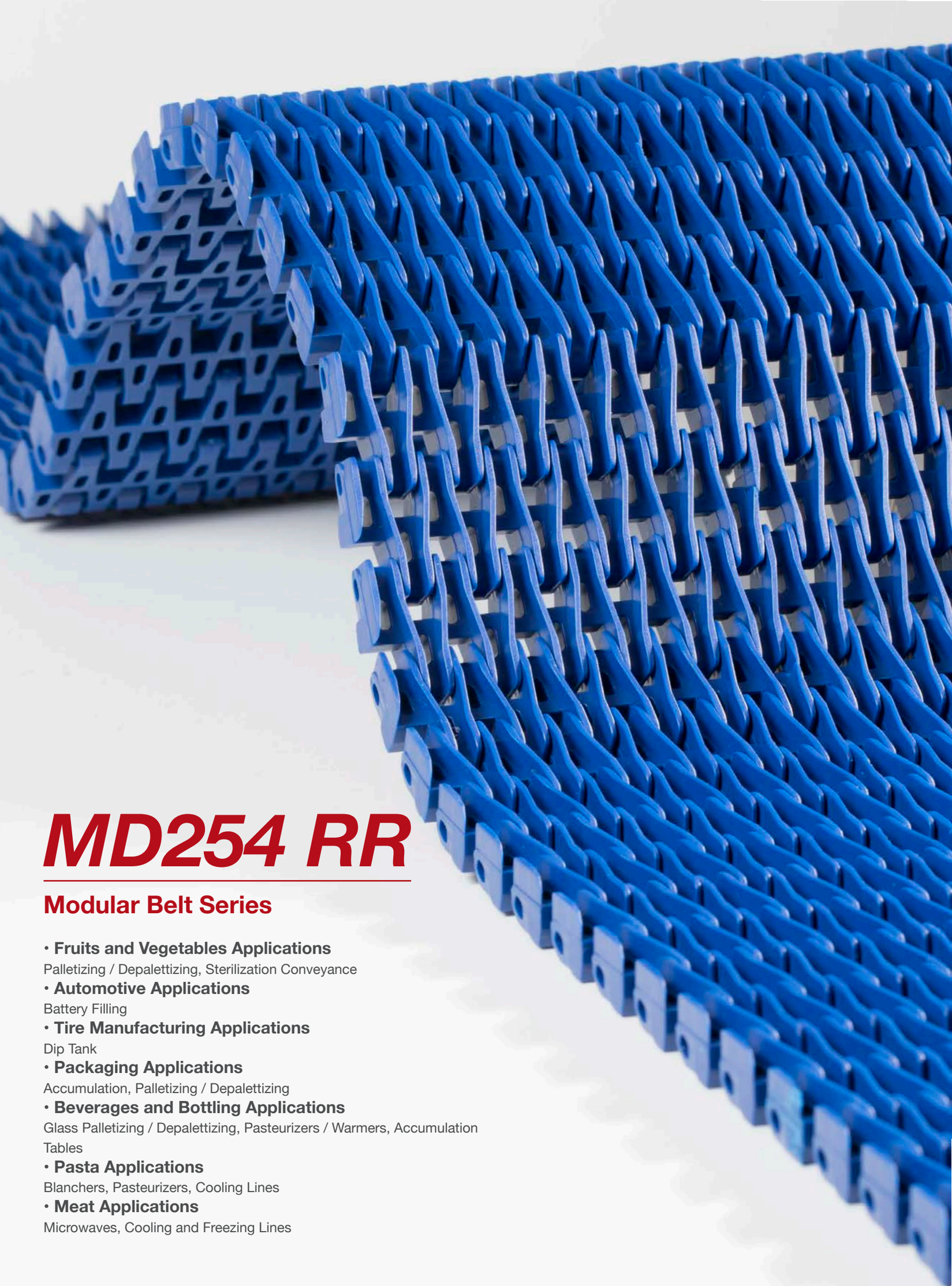


Product Features and Functional Benefits

- Unique rubber top eliminates wear and increases friction in incline-decline applications.
- Bi-directional belt for long conveyors.

Important Notes

- **Standard belt increments 50 mm.**
- **Non-standard belt increments 16,6 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- Up to 750 mm (30") -1 mm to 2 mm and 0% to 0.45% for wider belts.



MD254 RR

Modular Belt Series

- **Fruits and Vegetables Applications**

Palletizing / Depalettizing, Sterilization Conveyance

- **Automotive Applications**

Battery Filling

- **Tire Manufacturing Applications**

Dip Tank

- **Packaging Applications**

Accumulation, Palletizing / Depalettizing

- **Beverages and Bottling Applications**

Glass Palletizing / Depalettizing, Pasteurizers / Warmers, Accumulation Tables

- **Pasta Applications**

Blanchers, Pasteurizers, Cooling Lines

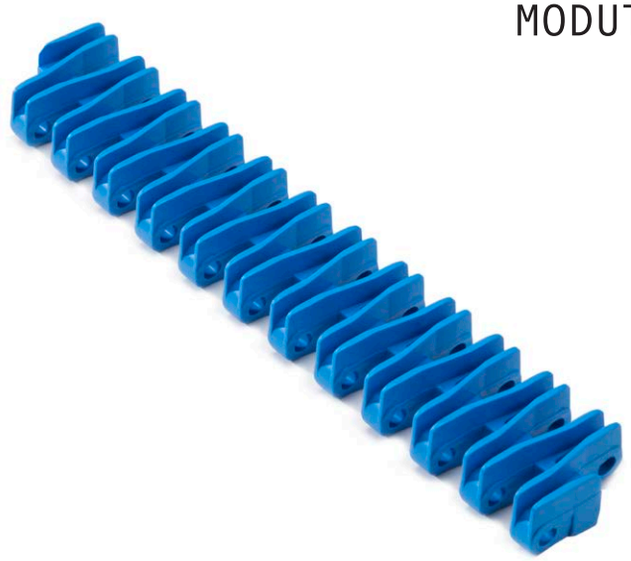
- **Meat Applications**

Microwaves, Cooling and Freezing Lines

MD254 RR

MODUTECH

Pitch:	25,4 mm / **1 inch**
Belt Surface:	Open, Raised Rib Surface
Minimum Width:	50 mm / **1.97 inch**
Open Area (%):	33%. (Biggest opening 5,5 x 7 mm)
Flight:	No
Sidewall:	No
Pin:	Ø 5 mm / **0.197 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Good
Belt Thickness:	16 mm / **0.630 inch**

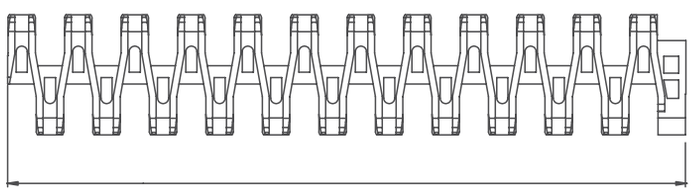


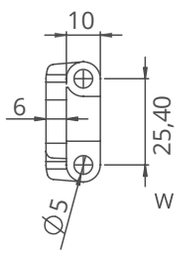
MD254 RR Technical Information

Belt Material		**POM**	**POM**	**POM**	**PP**	**PPH**
Pin Material		**PA**	**POM**	**PP**	**PP**	**PPH**
Belt Strength	N/m | **lb/ft**	27000 - **1850**	27000 - **1850**	19000 - **1300**	16000 - **1096**	16000 - **1096**
Temperature	°C °F	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	+5 / +93 **+40 / +200**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +230**
Belt Weight	kg/m² | **lb/sqft²**	10.4 / **2.13**	10.4 / **2.13**	10.4 / **2.13**	6.8 / **1.40**	6.8 / **1.40**

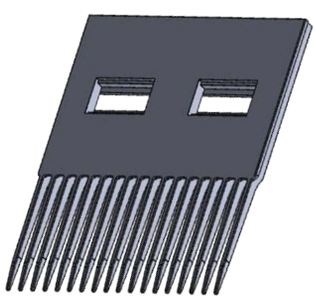
Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
50	**2**	50	**2**	100	**4**	150	**6**	-	**-**

Belth Width mm	150,0	200,0	250,0	300,0	350,0	400,0	450,0	500,0	550,0	600,0	650,0	700,0	750,0	800,0	850,0	900,0	950,0
Belth Width inch	**5.91**	**7.87**	**9.84**	**11.81**	**13.78**	**15.75**	**17.72**	**19.69**	**21.65**	**23.62**	**25.59**	**27.56**	**29.53**	**31.50**	**33.46**	**35.43**	**37.40**
Belth Width mm	1000,0	1050,0	1100,0	1150,0													
Belth Width inch	**39.37**	**41.34**	**43.31**	**45.28**													





MD254 RR Comb / Finger Plate is available
This product is used for transfering of cans, bottles, etc.



Product Features and Functional Benefits

- Less friction and product contact for easy cooking, cooling and freezing of products.
- Reduces back line pressure with up to 70%.
- Reduced dirt and oxide build up due to self cleaning surface.
- Finger plate for trouble free transfer.
- Bi-directional belt for long conveyors.

Important Notes

- **Standard belt increments 50 mm.**
- **Non-standard belt increments 16,6 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 0.1% to 0.3% bigger.
- For PP material up to 750 mm (30") -2 mm to 1 mm and 0% to 0.3% for wider belts.
- For POM material up to 750 mm (30") -2 mm to 1 mm and -0.1% to 0.3% for wider belts.

MD254 GAP48%

Modular Belt Series

- **Bakery Applications**

Including Oven Infeed - Outfeed, Coating Lines, Glazing Lines, Freezing Lines, Conditioning Lines, Cooling Lines

- **Poultry Applications**

Cooling and Freezing Lines

- **Seafood Applications**

Including Breading Machines, Draining Lines

- **Snack Food Applications**

Including Proofer Lines, Boiler Infeed, Oven Infeed - Outfeed, Cooling Lines

- **Fruits and Vegetables Applications**

Including Prewashing / Rinsing, Draining

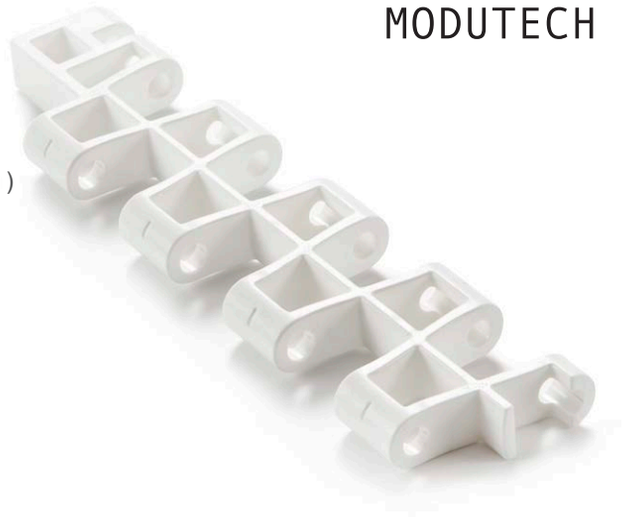
- **Packing Industry**

Shrink Tunnels

MD254 GAP48%

MODUTECH

Pitch:	25,7 mm / **1 inch**
Belt Surface:	Open, Smooth Surface
Minimum Width:	203,2 mm / **8 inch**
Open Area (%):	48%. (Biggest opening 9 x 13,5 mm and 6 x 16,5 mm)
Flight:	Yes
Sidewall:	No
Pin:	Ø5 mm / **0.197 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White
Cleanability:	Excellent
Belt Thickness:	11 mm / **0.433 inch**

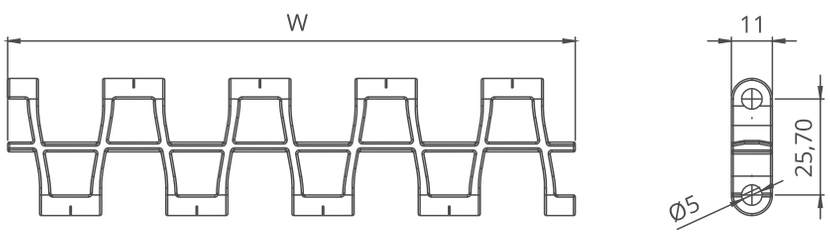


MD254 GAP48% Technical Information

Belt Material		**POM**	**POM**	**POM**	**PP**	**PP**	**PA**
Pin Material		**PA**	**POM**	**PP**	**PP**	**POM**	**PA**
Belt Strength	N/m | **lb/ft**	15500 - **1062**	15500 - **1062**	15500 - **1062**	9500 - **651**	11000 - **754**	15500 - **1062**
Temperature	°C **°F**	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	+5 / +93 **+40 / +200**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +200**	-46 / +130 **-50 / +266**
Belt Weight	kg/m² | **lb/sqft²**	6.4 / **1.31**	6.4 / **1.31**	6.4 / **1.31**	4.2 / **0.85**	4.2 / **0.85**	5.6 / **1.15**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
50	**2**	50	**2**	100	**4**	150	**6**	-	**-**

Belth Width mm	203,2	237,0	270,8	304,6	338,4	372,2	406,0	439,8	450,0	507,4	541,2	575,0	608,8	642.6	676,4	710,2	811,6
Belth Width inch	**8.00**	**9.33**	**10.66**	**11.99**	**13.32**	**14.65**	**15.98**	**17.31**	**18.65**	**19.98**	**21.31**	**22.64**	**23.97**	**25.30**	**26.63**	**27.96**	**31.95**
Belth Width mm	845,4	879,2															
Belth Width inch	**33.28**	**34.61**															



Product Features and Functional Benefits

- Belt provides optimal open area for drainage and airflow.
- Less friction and product contact for easy cooking, cooling and freezing of products.
- Reduced dirt and oxide build due to self cleaning surface.
- Stainless steel pins option for high temperature applications.
- Easy to clean reduces downtime for cleaning time 70%.
- Stainless steel pins option reduce belt elongation for high temperature application.

Important Notes

- **Standard belt increments 33,8 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- For PP material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.
- For POM material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.

MD254 GAP48%-EHT

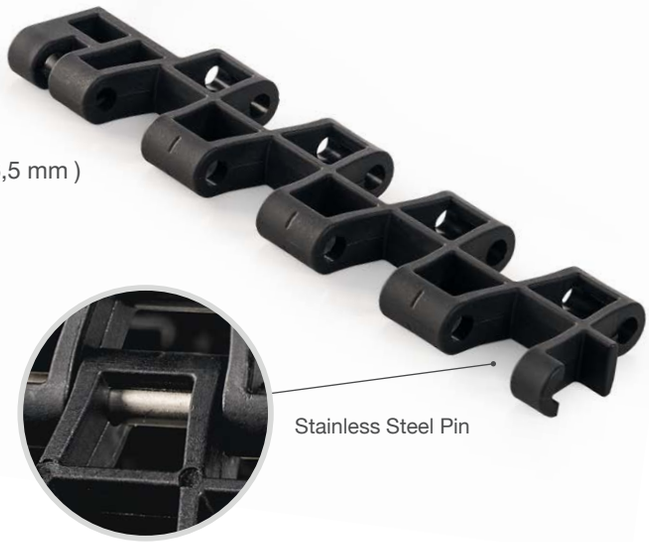
Modular Belt Series

- **Packing Industry**
  Shrink Tunnels

MD254 GAP48%-EHT
(Extra High Temperature)

MODUTECH

Pitch:	25,7 mm / **1 inch**
Belt Surface:	Open, Smooth Surface
Minimum Width:	203,2 mm / **8 inch**
Open Area (%):	48%. (Biggest opening 9 x 13,5 mm and 6 x 16,5 mm)
Flight:	No
Sidewall:	No
Pin:	Ø5 mm / **0.197 inch** - Stainless Steel
Approved:	No
Color:	Black
Cleanability:	Excellent
Belt Thickness:	11 mm / **0.433 inch**

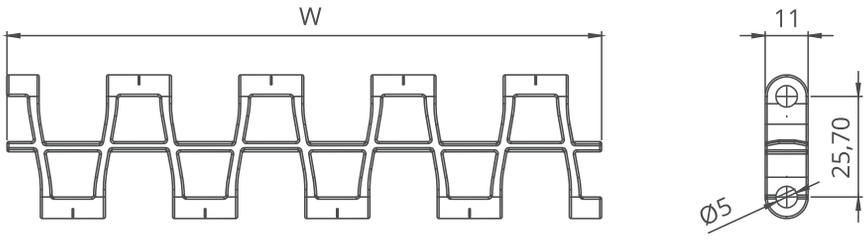


MD254 GAP48%-EHT Technical Information

Belt Material		**EHT**
Pin Material		**SS**
Belt Strength	N/m | **lb/ft**	20000 - **1062**
Temperature	℃ **℉**	+4 / +230 **+40 / +446**
Belt Weight	kg/m² | **lb/sqft²**	11.8 / **2.42**

Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter for gravity take up center drive rollers (min.)		Backbending radius for elevators without side guards or hold down devices (min.)		Backbending radius for elevators with side guards or hold down devices (min.)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
50	**2**	50	**2**	100	**4**	150	**6**	-	**-**

Belth Width mm	203,2	237,0	270,8	304,6	338,4	372,2	406,0	439,8	450,0	507,4	541,2	575,0	608,8	642.6	676,4	710,2	811,6
Belth Width inch	**8.00**	**9.33**	**10.66**	**11.99**	**13.32**	**14.65**	**15.98**	**17.31**	**18.65**	**19.98**	**21.31**	**22.64**	**23.97**	**25.30**	**26.63**	**27.96**	**31.95**
Belth Width mm	845,4	879,2															
Belth Width inch	**33.28**	**34.61**															



Product Features and Functional Benefits

- Belt provides optimal open area for drainage and airflow.
- Stainless steel pins option for high temperature applications.
- Stainless steel pins option reduce belt elongation for high temperature application.

Important Notes

- **Standard belt increments 33,8 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 0.1% to 0.3% smaller.

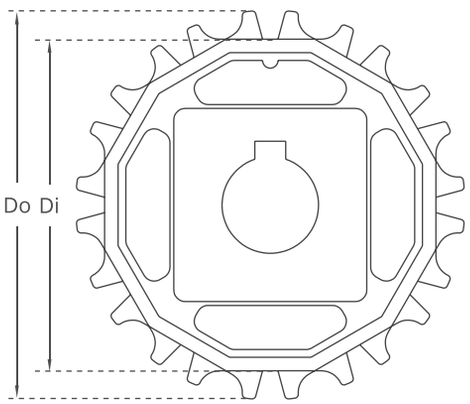
MD254 Series

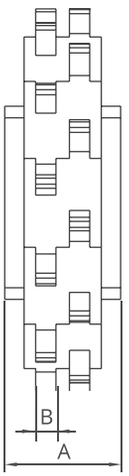
Sprockets and Technical Specifications

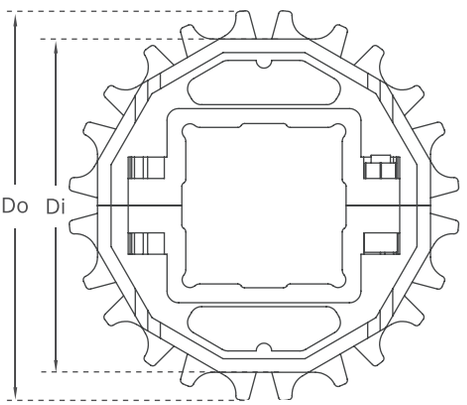
Z15

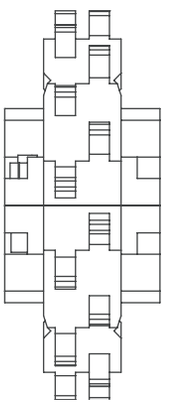
Z8

Z12-EHT









Split moulded sprockets are available.

MD254 C Series / Moulded Sprockets Dimensions

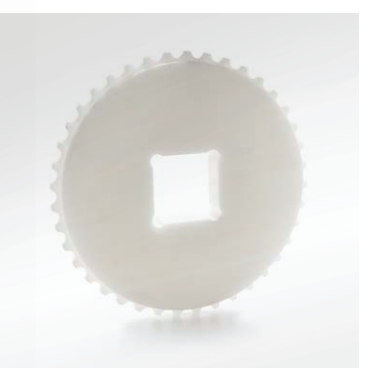
NO.TEETH	Di mm/**inch**	Do mm/**inch**	B mm/**inch**	A mm/**inch**	Square Bore (Q) mm/**inch**		Round Bore (R) mm/**inch**		PRODUCT CODE	
									Square Type (Q)	Round Type (R)
Z8	52,0 / **2.05**	67,0 / **2.64**	5,3 / **0.21**	30,0 / **1.18**	25	**1**	25	**1**	MD-TR254SQZ8*POM	MD-TR254SRZ8*POM
Z10	69,0 / **2.72**	84,0 / **3.31**	5,3 / **0.21**	30,0 / **1.18**	40	**1.5**	25-30	**1-1.25**	MD-TR254SQZ10*POM	MD-TR254SRZ10*POM
Z12	85,8 / **3.38**	100,8 / **3.97**	5,3 / **0.21**	30,0 / **1.18**	40	**1.5**	25-30-35	**1-1.25**	MD-TR254SQZ12*POM	MD-TR254SRZ12*POM
Z15	110,8 / **4.36**	125,8 / **4.95**	5,3 / **0.21**	30,0 / **1.18**	40	**1.5**	25-30	**1-1.25**	MD-TR254SQZ15*POM	MD-TR254SRZ15*POM
Z16	119,1 **/ 4.69**	134,1 **/ 5.28**	5,3 / **0.21**	30,0 / **1.18**	40	**1.5**	25-30	**1-1.25**	MD-TR254SQZ16*POM	MD-TR254SRZ16*POM
Z18	135,6 **/ 5.34**	150,6 **/ 5.93**	5,3 / **0.21**	30,0 / **1.18**	40	**1.5**	25-30-35	**1-1.25**	MD-TR254SQZ18*POM	MD-TR254SRZ18*POM
Z20	152,0 **/ 5.98**	167,1 **/ 6.58**	5,3 / **0.21**	30,0 / **1.18**	40	**1.5**	25-30	**1-1.25**	MD-TR254SQZ20*POM	MD-TR254SRZ20*POM

*Other sprockets and hub sizes are manufactured up to request. *POM (Acetal) and PP (Polypropylene) sprockets raw material is available on request.
***Machined Split Sprockets are avaliable for each size.**

Clamp

Machined Split Sprocket

Moulded Sprocket

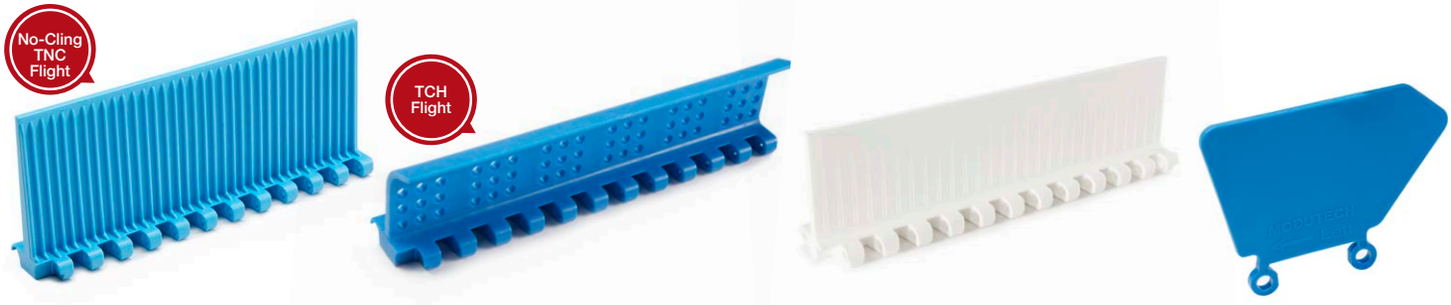


Machined Sprocket

MD254 Series

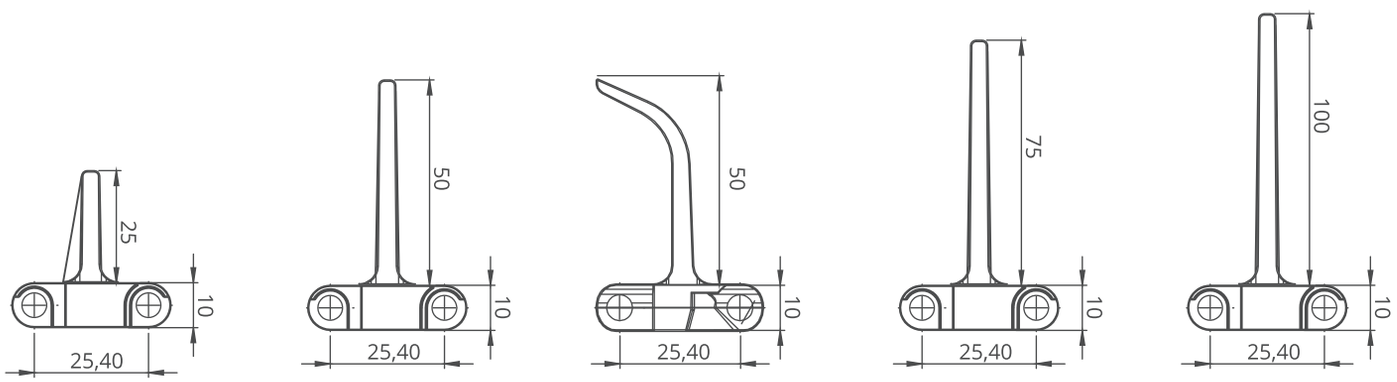
Accessories and Technical Specifications

MODUTECH

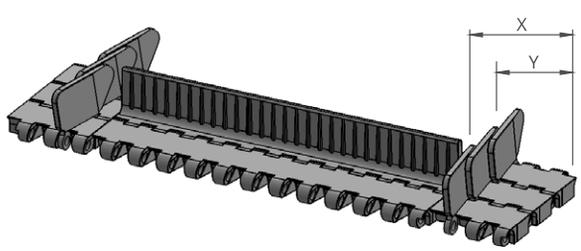


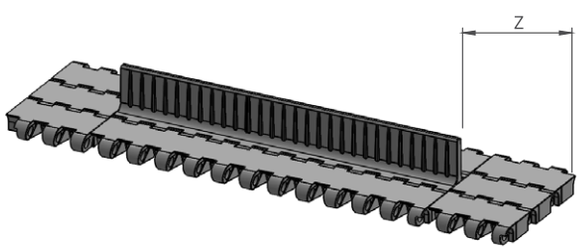
MD254 Series / Flight & Sidewall Dimensions

MD254 Series / Flights & Sidewalls				
PRODUCT CODE	Flight Height (mm/**inch**)	Flight Width (mm/**inch**)	PRODUCT CODE	Sidewall Height (mm/**inch**)
MD254T25	25 / **1**	200 / **7.87**	MD254SW25	25 / **1**
MD254T50	50 / **2**	200 / **7.87**	MD254SW50	50 / **2**
MD254T75	75 / **3**	200 / **7.87**	MD254SW75	75 / **3**
MD254T100	100 / **4**	200 / **7.87**	MD254SW100	100 / **4**
MD254TC50	50 / **2**	200 / **7.87**	-	-
MD254TCH50	50 / **2**	200 / **7.87**	-	-
MD254TNC75	75 / **3**	200 / **7.87**	-	-
MD254TNC100	100 / **4**	200 / **7.87**	-	-



* Additional flight dimensions are available up to 100 mm.

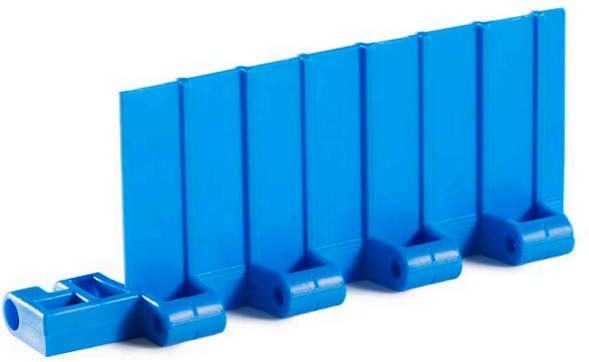




MD254 Series / Flight & Sidewall Technical Specifications

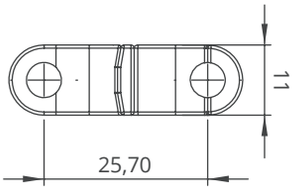
Possible Sidewall and Flights Indents	X		Y		Z	
	mm	**inch**	mm	**inch**	mm	**inch**
Standard, module cutting	25,7	**1.01**	15,2	**0.60**	33,3	**1.31**
Non-Standard, module cutting	34,0	**1.34**	23,6	**0.93**	41,7	**1.64**
Standard, module cutting	42,3	**1.67**	31,9	**1.26**	50,0	**1.97**
Non-Standard, module cutting	50,7	**1.99**	40,2	**1.58**	58,3	**2.30**
Standard, no module cutting	59,0	**2.32**	48,6	**1.91**	66,7	**2.62**

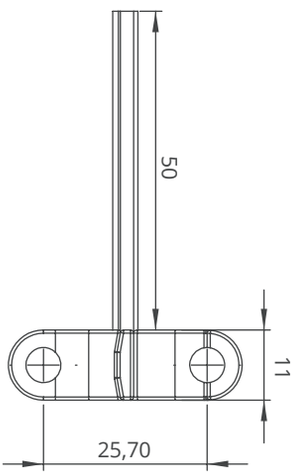
MD254 GAP48% Series
Engineering Information

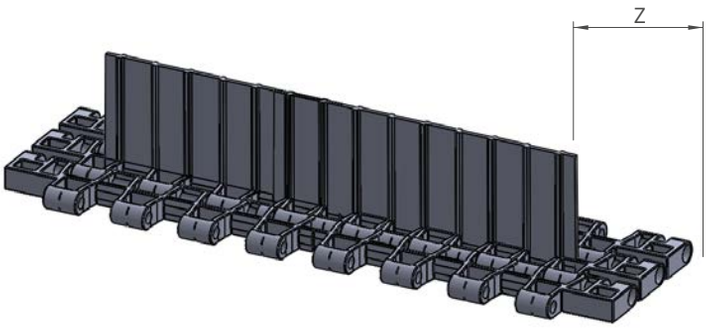


MD254 GAP48% Series / Flight Dimensions

MD254 GAP48% Series / Flights				
PRODUCT CODE	Flight Height (mm/**inch**)	Flight Width (mm/**inch**)	PRODUCT CODE	Sidewall Height (mm/**inch**)
MD254G48T50	50 / **2**	152 / **6**	-	-







MD254 GAP48% Series / Flight Technical Specifications

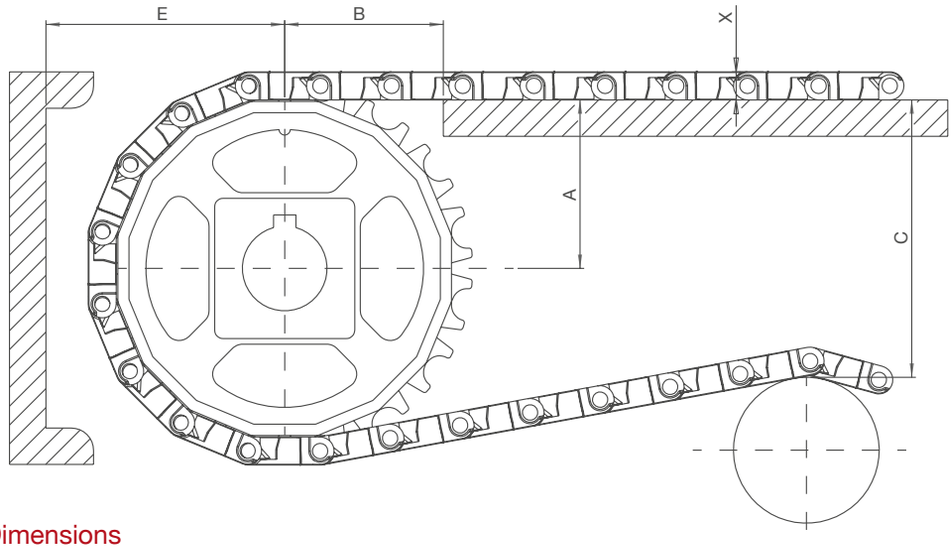
Possible Flight Indents for MD254GAP48% Series	Z	
	mm	**inch**
Standard, no module cutting	27,8	**1.09**
Non-Standard, module cutting	34,1	**1.34**
Non-Standard, module cutting	67,9	**2.67**
Non-Standard, module cutting	101,7	**4.00**

***Non-standard flight indent is on request.**

MD254 Series
Engineering Information

MODUTECH

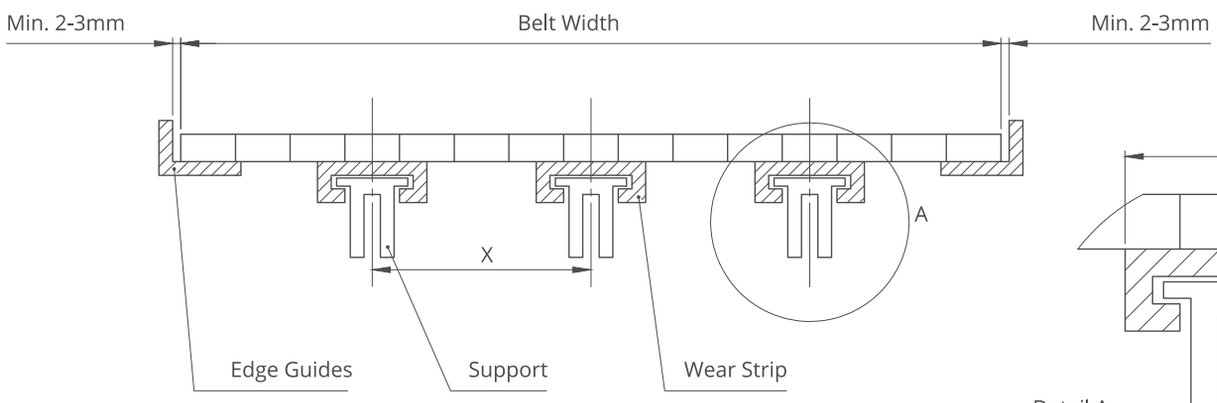
A - ± 0,031" (1mm) C - ± (Max.)
B - ± 0,125" (3mm) E - ± (Min.)

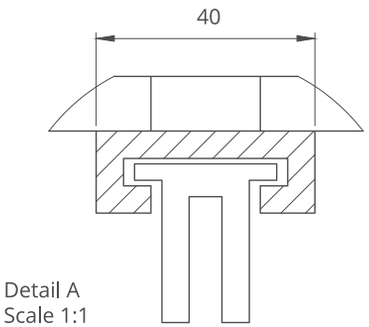


MD254 Series / Conveyor Frame Dimensions

Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)									
inch	mm		**inch**	mm	**inch**	mm	**inch**	mm	**inch**	mm	**inch**	mm
MD254 FG, MD254 C, MD254 GAP48%												
2.38	60,5	8	**1.15**	29,2	**1.55**	39,4	**1.95**	49,5	**1.94**	49,2	**0.39**	10,0
3.07	78,0	10	**1.46**	37,1	**1.77**	45,0	**2.60**	66,1	**2.25**	57,1	**0.39**	10,0
3.74	95,0	12	**1.76**	44,8	**1.97**	50,1	**3.24**	82,3	**2.55**	64,8	**0.39**	10,0
4.70	119,5	15	**2.22**	56,4	**2.23**	56,7	**4.18**	106,1	**3.01**	76,4	**0.39**	10,0
5.02	127,5	16	**2.37**	60,2	**2.38**	60,5	**4.46**	113,2	**3.21**	81,5	**0.39**	10,0
5.71	145,0	18	**2.73**	69,3	**2.45**	62,3	**5.19**	131,8	**3.51**	89,3	**0.39**	10,0
MD254 RR, MD254 GT												
2.38	60,5	8	**1.15**	29,2	**1.55**	39,4	**1.95**	49,5	**2.18**	55,4	**0.64**	16,3
3.07	78,0	10	**1.46**	37,1	**1.77**	45,0	**2.60**	66,1	**2.48**	63,1	**0.64**	16,3
3.74	95,0	12	**1.76**	44,8	**1.97**	50,1	**3.24**	82,3	**2.79**	70,9	**0.64**	16,3
4.70	119,5	15	**2.22**	56,4	**2.23**	56,7	**4.18**	106,1	**3.25**	82,7	**0.64**	16,3
5.02	127,5	16	**2.37**	60,2	**2.38**	60,5	**4.46**	113,2	**3.46**	87,8	**0.64**	16,3
5.71	145,0	18	**2.73**	69,3	**2.45**	62,3	**5.19**	131,8	**3.76**	95,5	**0.64**	16,3
MD254 FG-RT, MD254 C-RT												
2.38	60,5	8	**0.99**	25,2	**1.55**	39,4	**1.79**	45,5	**2.09**	53,2	**0.71**	18,0
3.07	78,0	10	**1.30**	33,1	**1.77**	45,0	**2.44**	62,1	**2.41**	61,1	**0.71**	18,0
3.74	95,0	12	**1.61**	40,8	**1.97**	50,1	**3.08**	78,3	**2.71**	68,8	**0.71**	18,0
4.70	119,5	15	**2.06**	52,4	**2.23**	56,7	**4.02**	102,1	**3.17**	80,4	**0.71**	18,0
5.02	127,5	16	**2.21**	56,2	**2.38**	60,5	**4.30**	109,2	**3.37**	85,5	**0.71**	18,0
5.71	145,0	18	**2.57**	65,3	**2.45**	62,3	**5.03**	127,8	**3.67**	93,3	**0.71**	18,0

MD254 Series / Slider Support System For Straight Running Belts





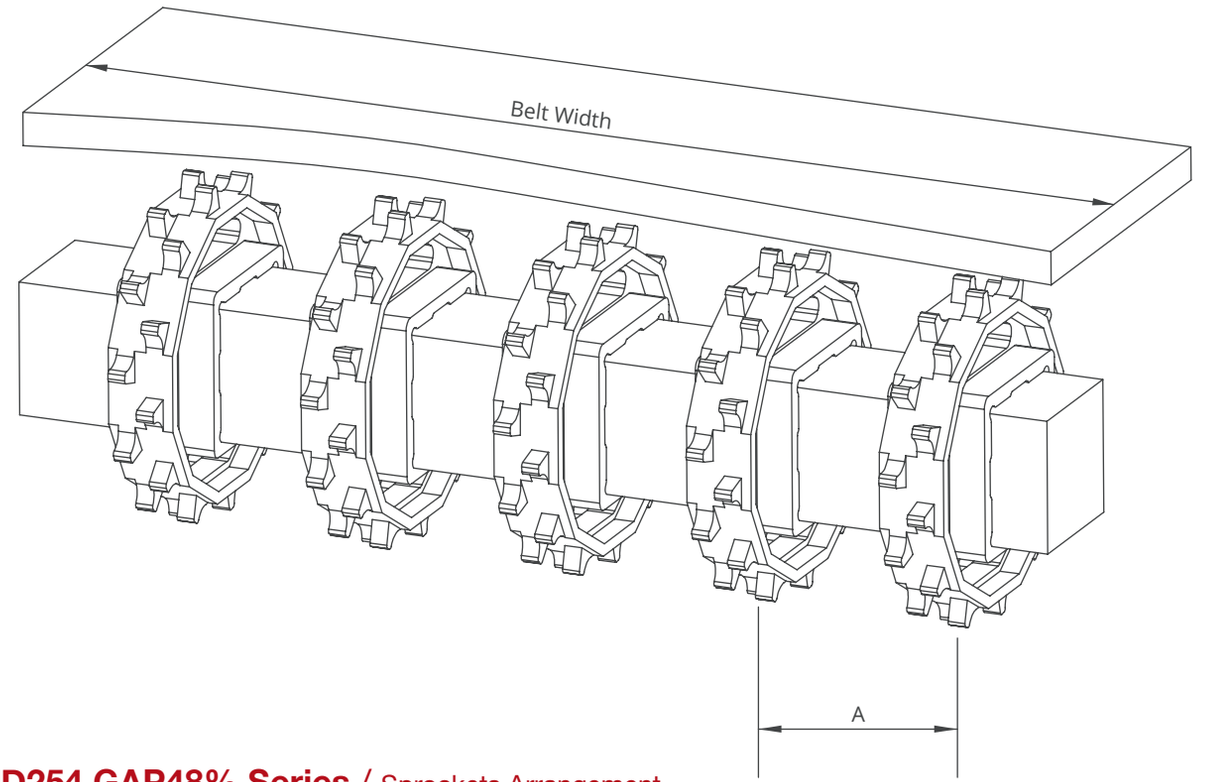
Detail A
Scale 1:1

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

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

MD254 GAP48% Series

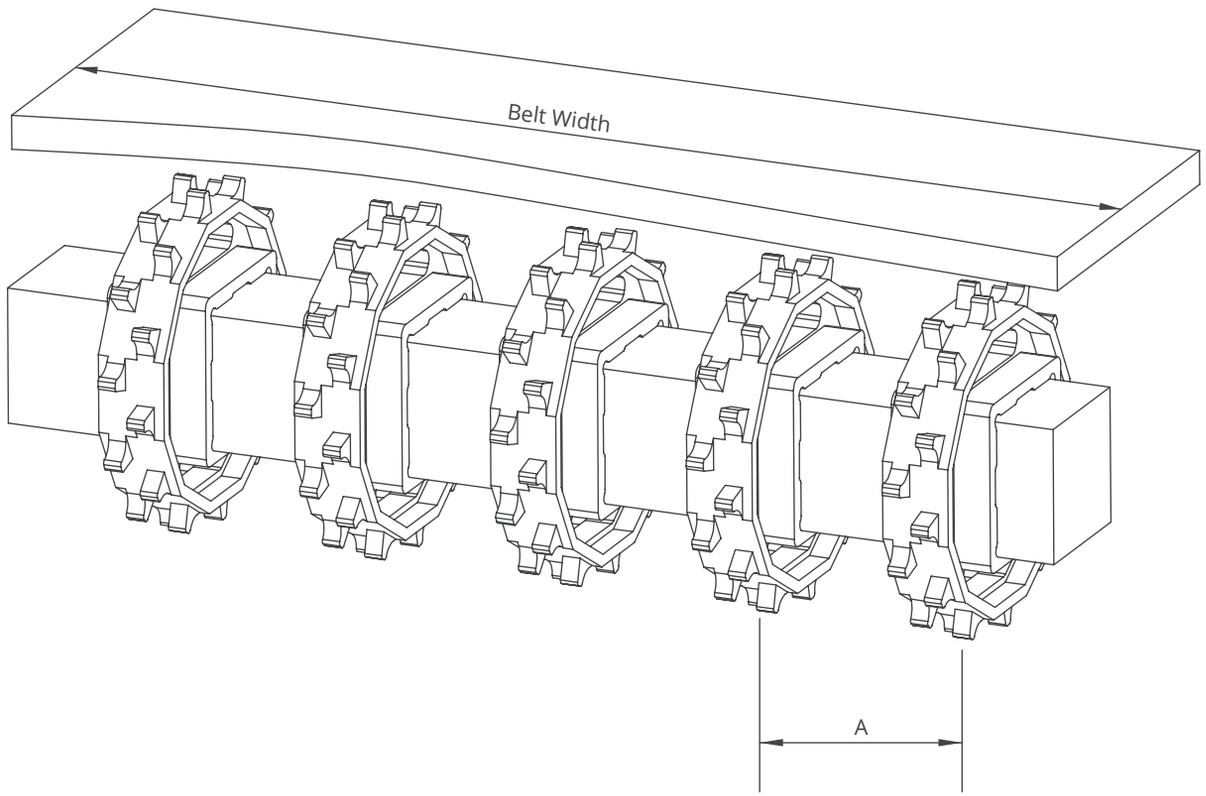
Engineering Information



MD254 GAP48% Series / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/**inch**)	
mm	**inch**	Drive Shaft	Return Shaft	Min.	Max.
203,2	**8.0**	2	2	60/**2.36**	170/**6.6**
237,0	**9.3**	2	2	60/**2.36**	170/**6.6**
270,8	**10.7**	2	2	60/**2.36**	170/**6.6**
304,6	**12.0**	3	2	60/**2.36**	170/**6.6**
338,4	**13.3**	3	2	60/**2.36**	170/**6.6**
372,2	**14.7**	4	3	60/**2.36**	170/**6.6**
406,0	**16.0**	4	3	60/**2.36**	170/**6.6**
439,8	**17.3**	4	3	60/**2.36**	170/**6.6**
473,6	**18.6**	5	3	60/**2.36**	170/**6.6**
507,4	**20.0**	5	3	60/**2.36**	170/**6.6**
541,2	**21.3**	5	3	60/**2.36**	170/**6.6**
575,0	**22.6**	5	3	60/**2.36**	170/**6.6**
608,8	**24.0**	6	4	60/**2.36**	170/**6.6**
642,6	**25.3**	6	4	60/**2.36**	170/**6.6**
676,4	**26.6**	6	4	60/**2.36**	170/**6.6**
710,2	**28.0**	7	4	60/**2.36**	170/**6.6**
744,0	**29.3**	7	4	60/**2.36**	170/**6.6**
777,8	**30.6**	7	4	60/**2.36**	170/**6.6**
811,6	**32.0**	7	4	60/**2.36**	170/**6.6**
845,4	**33.3**	8	4	60/**2.36**	170/**6.6**
879,2	**34.6**	8	5	60/**2.36**	170/**6.6**
913,0	**35.9**	8	5	60/**2.36**	170/**6.6**
946,8	**37.3**	8	5	60/**2.36**	170/**6.6**
980,6	**38.6**	8	5	60/**2.36**	170/**6.6**
1014,4	**39.9**	9	5	60/**2.36**	170/**6.6**
1048,2	**41.3**	9	5	60/**2.36**	170/**6.6**

Note: Number of sprockets depends on the belt load.



MD254 Series / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/**inch**)	
mm	**inch**	Drive Shaft	Return Shaft	Min.	Max.
150,0	**6.0**	2	2	50/**2**	120/**4.7**
200,0	**8.0**	2	2	50/**2**	120/**4.7**
250,0	**10.0**	3	2	50/**2**	120/**4.7**
300,0	**12.0**	3	2	50/**2**	120/**4.7**
350,0	**14.0**	3	3	50/**2**	120/**4.7**
400,0	**16.0**	4	3	50/**2**	120/**4.7**
450,0	**18.0**	4	3	50/**2**	120/**4.7**
500,0	**20.0**	5	4	50/**2**	120/**4.7**
550,0	**22.0**	5	4	50/**2**	120/**4.7**
600,0	**24.0**	6	5	50/**2**	120/**4.7**
700,0	**26.0**	7	5	50/**2**	120/**4.7**
800,0	**28.0**	8	6	50/**2**	120/**4.7**
900,0	**30.0**	9	7	50/**2**	120/**4.7**
1000,0	**32.0**	10	7	50/**2**	120/**4.7**

Note: Number of sprockets depends on the belt load.

MODUTECH®

HC508

Single Module

Modular Belt Series

HC508 C-MTW / Mold to Width
Sprockets & Accessories
Engineering Information

FDA

www.modutech.com.tr

HC508 C-MTW

Mold to Width

Modular Belt Series

- **Meat Applications**

Slaughtering - Evisceration, Cutting Lines, Debonning Lines, Bone Takeaway, Dressing Lines, Trim Lines

- **Poultry Applications**

Live Birds, Slaughtering - Evisceration, Skinning, Cut - Up, Chiller Discharge, Bird Accumulation, Freezing Lines, Elevator

- **Sea Food Applications**

Trim Lines, Control Tables, Glazing, Elevator

HC508 C-MTW *(Mold to Width)*

MODUTECH

Pitch:	50,8 mm / **2 inch**
Belt Surface:	Close, Smooth Surface
Minimum Width:	406,4 mm / **16 inch**
Open Area (%):	0%
Flight:	No
Sidewall:	No
Pin:	Ø 6 mm / **0.236 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White
Cleanability:	Excellent
Belt Thickness:	16 mm / **0.63 inch**

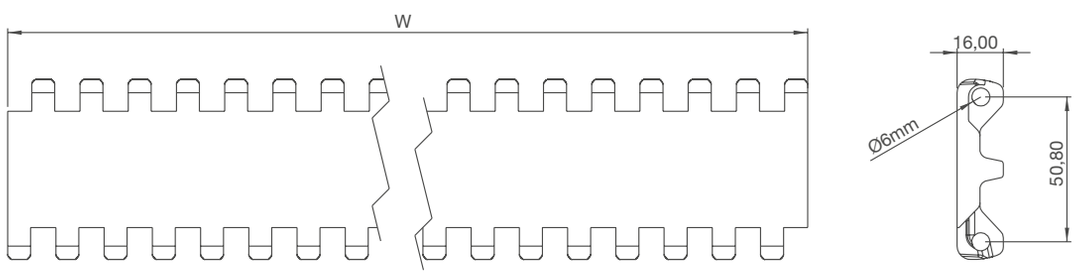
- Available single modules: 16", 18", 20", 24"

HP508 C-MTW Technical Information

Belt Material		**POM**	**POM**	**POM**	**POM**	**PE**	**PE**
Pin Material		**POM**	**PA**	**PBT**	**PE**	**POM**	**PE**
Belt Strength	N/m | **lb/ft**	30000 - **2055**	30000 - **2055**	30000 - **2055**	18000 - **1233**	10000 - **685**	26400 - **685**
Temperature	°C °F	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	-40 / +65 **-40 / +150**	-40 / +65 **-40 / +150**	-70 / +65 **-50 / +150**
Belt Weight	kg/m² | **lb/sqft²**	13.5 / **2.77**	13.5 / **2.77**	13.5 / **2.77**	13.5 / **2.77**	9.4 / **1.93**	9.4 / **1.93**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
90	**3.5**	100	**4**	150	**6**	-	**-**	-	**-**

Belth Width mm	406,4	457,2	508,0	609,6
Belth Width inch	**16.00**	**18.00**	**20.00**	**24.00**



Product Features and Functional Benefits

- High clean&open hinge design reduces downtime for cleaning time 70%.
- Reduces bacteria growth.
- Unique sprocket engagement - higher product load and longer conveyors.
- Strong and one-piece frame supports allow more load without breaking.
- Impact resistance to withstand heavy objects falling into the belt.

Important Notes

- **Standard belt increments 50,8 mm.**
- **Non-Standard belt increments 16,9 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 0.1% to 0.3% bigger.

MODUTECH®

EC508

Modular Belt Series

EC508 C
EC508 C-RT / Roller Top
EC508 GT / Friction Top
EC508 PR22%
EC508 FG
EC508 FG-NT
EC508 PR11%
EC508 PR13%
EC508 DT
EC508 NT
Sprockets & Accessories
Engineering Information

FDA

www.modutech.com.tr

EC508 C

Modular Belt Series

- **Meat Applications**

Slaughtering - Evisceration, Cutting Lines, Debonning Lines, Bone Takeaway, Dressing Lines, Trim Lines

- **Poultry Applications**

Live Birds, Slaughtering - Evisceration, Skinning, Cut - Up, Chiller Discharge, Bird Accumulation, Freezing Lines, Elevator

- **Sea Food Applications**

Trim Lines, Control Tables, Glazing, Elevator

- **Bakery Applications**

Row Dough Handling, Laminating Lines

- **Snack Food Applications**

Potato Processing

- **Fruits and Vegetables Applications**

Bulk Feeding, Elevator, Control Sorting Table, Filling

- **Automotive Applications**

Chair Lift - Feader

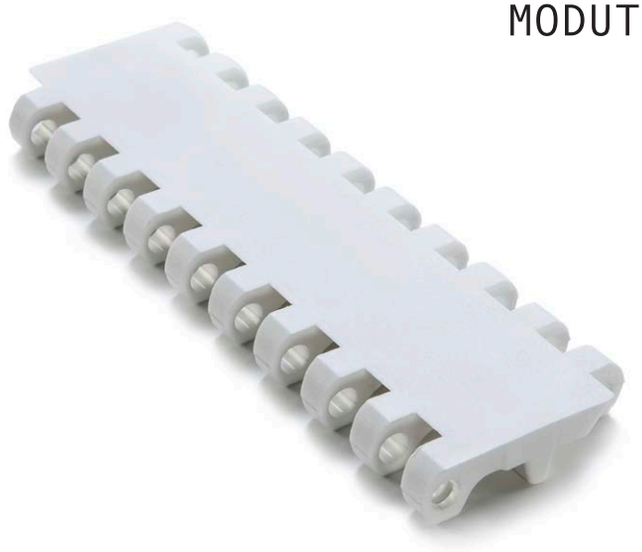
- **Packaging Applications**

Bluk Inclines, Box Transport Horizontal

EC508 C

MODUTECH

Pitch:	50,8 mm / **2 inch**
Belt Surface:	Close, Smooth Surface
Minimum Width:	100 mm / **3.94 inch**
Open Area (%):	0%
Flight:	Yes
Sidewall:	Yes
Pin:	Ø7 mm / **0.276 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Excellent
Belt Thickness:	16 mm / **0.630 inch**

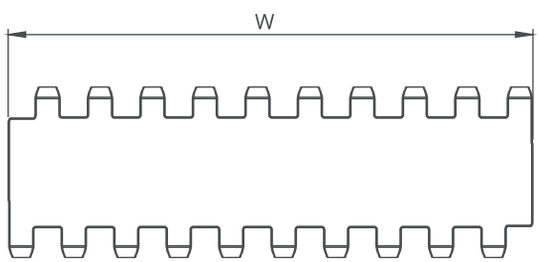


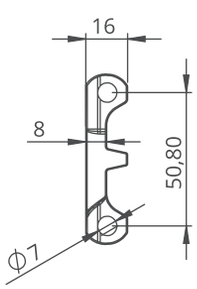
EC508 C Technical Information

Belt Material		POM	POM	POM	PP	PP	PE	PE
Pin Material		PA	POM	PE	PP	POM	POM	PE
Belt Strength	N/m | lb/ft	30000 - **2055**	30000 - **2055**	18000 - **1233**	18000 - **1233**	18000 - **1233**	10000 -**685**	10000 -**685**
Temperature	˚C ˚F	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	-40 / +65 **-40 / +150**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +200**	-40 / +65 **+40 / +150**	-70 / +65 **-50 / +150**
Belt Weight	kg/m² | lb/sqft²	13.5 / **2.77**	13.5 / **2.77**	13.5 / **2.77**	9.0 / **1.85**	9.0 / **1.85**	9.4 / **1.93**	9.4 / **1.93**

Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter for gravity take up center drive rollers (min.)		Backbending radius for elevators without side guards or hold down devices (min.)		Backbending radius for elevators with side guards or hold down devices (min.)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
90	**3.5**	100	**4**	150	**6**	150	**6**	250	**10**

Belth Width mm	200,0	300,0	400,0	500,0	600,0	700,0	800,0	900,0	1000,0	1100,0	1200,0	1300,0	1400,0	1500,0	1600,0	1700,0	1800,0
Belth Width inch	**7.87**	**11.81**	**15.75**	**16.69**	**23.62**	**27.56**	**31.50**	**35.43**	**39.37**	**43.31**	**47.24**	**51.18**	**55.12**	**59.06**	**62.99**	**66.93**	**70.87**
Belth Width mm	1900,0	2000,0	2100,0	2200,0													
Belth Width inch	**74.80**	**78.74**	**82.68**	**86.61**													





Product Features and Functional Benefits

- Easy to clean reduces downtime for cleaning time 70%.
- Close transfer applications.
- Reduces bacteria growth.
- Unique sprocket engagement - higher product load and longer conveyors.
- Strong and thick product supports allow more load without breaking.
- Impact resistance to withstand heavy objects falling into the belt.

Important Notes

- **Standard belt increments 100 mm.**
- **Non-standard belt increments 20 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 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.

EC508 C-RT

Roller Top

Modular Belt Series

- **Meat Applications**

Slaughtering - Evisceration, Cutting Lines, Debonning Lines, Bone Takeaway, Dressing Lines, Trim Lines

- **Poultry Applications**

Live Birds, Slaughtering - Evisceration, Skinning, Cut - Up, Chiller Discharge, Bird Accumulation, Freezing Lines, Elevator

- **Sea Food Applications**

Trim Lines, Control Tables, Glazing, Elevator

- **Bakery Applications**

Row Dough Handling, Laminating Lines

- **Snack Food Applications**

Potato Processing

- **Fruits and Vegetables Applications**

Bulk Feeding, Elevator, Control Sorting Table, Filling

- **Automotive Applications**

Chair Lift - Feader

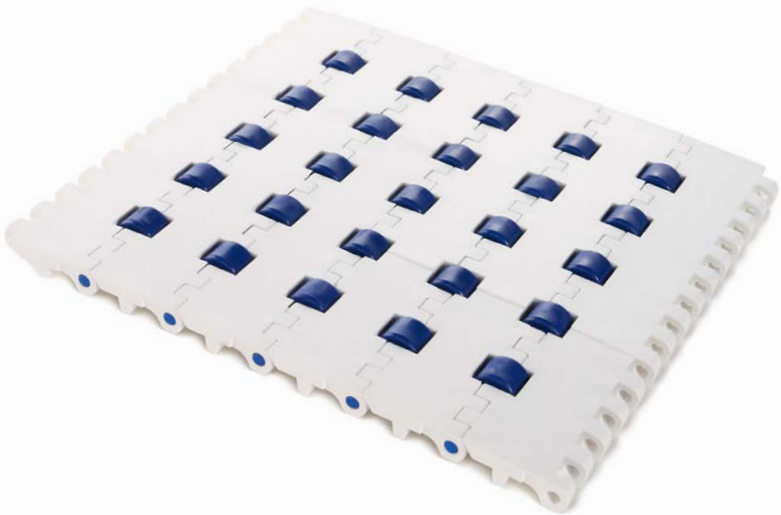
- **Packaging Applications**

Bluk Inclines, Box Transport Horizontal

EC508 C-RT *(Roller Top)*

MODUTECH

Pitch:	50,8 mm / **2 inch**
Belt Surface:	Close, Roller Top Surface
Minimum Width:	100 mm / **3.94 inch**
Open Area (%):	0%
Flight:	Yes
Sidewall:	Yes
Pin:	Ø7 mm / **0.276 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Excellent
Belt Thickness:	23 mm / **0.9 inch**

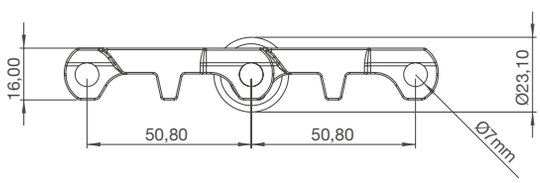


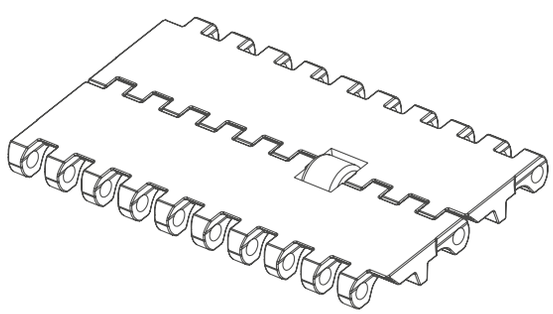
EC508 C-RT Technical Information

Belt Material		**POM**	**POM**
Roller Material		**POM**	
Pin Material		**PA**	**POM**
Belt Strength	N/m | **lb/ft**	22500 - **1541**	22500 - **1541**
Temperature	℃ **℉**	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**
Belt Weight	kg/m² | **lb/sqft²**	13.5 / **2.77**	13.5 / **2.77**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
90	**3.5**	100	**4**	150	**6**	150	**6**	250	**10**

Belth Width mm	300,0	400,0	500,0	600,0	700,0	800,0	900,0	1000,0	1100,0	1200,0	1300,0	1400,0	1500,0	1600,0	1700,0	1800,0	1900,0
Belth Width inch	**11.81**	**15.75**	**16.69**	**23.62**	**27.56**	**31.50**	**35.43**	**39.37**	**43.31**	**47.24**	**51.18**	**55.12**	**59.06**	**62.99**	**66.93**	**70.87**	**74.80**
Belth Width mm	2000,0	2100,0	2200,0														
Belth Width inch	**78.74**	**82.68**	**86.61**														





Product Features and Functional Benefits

- Easy to clean reduces downtime for cleaning time 70%.
- Close transfer applications.
- Reduces bacteria growth.
- Unique sprocket engagement - higher product load and longer conveyors.
- Strong and thick product supports allow more load without breaking.
- Impact resistance to withstand heavy objects falling into the belt.

Important Notes

- Standard belt increments 100 mm.
- Non-standard belt increments 20 mm.
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 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.

EC508 GT

Friction Top

Modular Belt Series

- **Meat Applications**

Slaughtering - Evisceration, Cutting Lines, Debonning Lines, Bone Takeaway, Dressing Lines, Trim Lines

- **Poultry Applications**

Live Birds, Slaughtering - Evisceration, Skinning, Cut - Up, Chiller Discharge, Bird Accumulation, Freezing Lines, Elevator

- **Sea Food Applications**

Trim Lines, Control Tables, Glazing, Elevator

- **Bakery Applications**

Row Dough Handling, Laminating Lines

- **Snack Food Applications**

Potato Processing

- **Fruits and Vegetables Applications**

Bulk Feeding, Elevator, Control Sorting Table, Filling

- **Automotive Applications**

Chair Lift - Feader

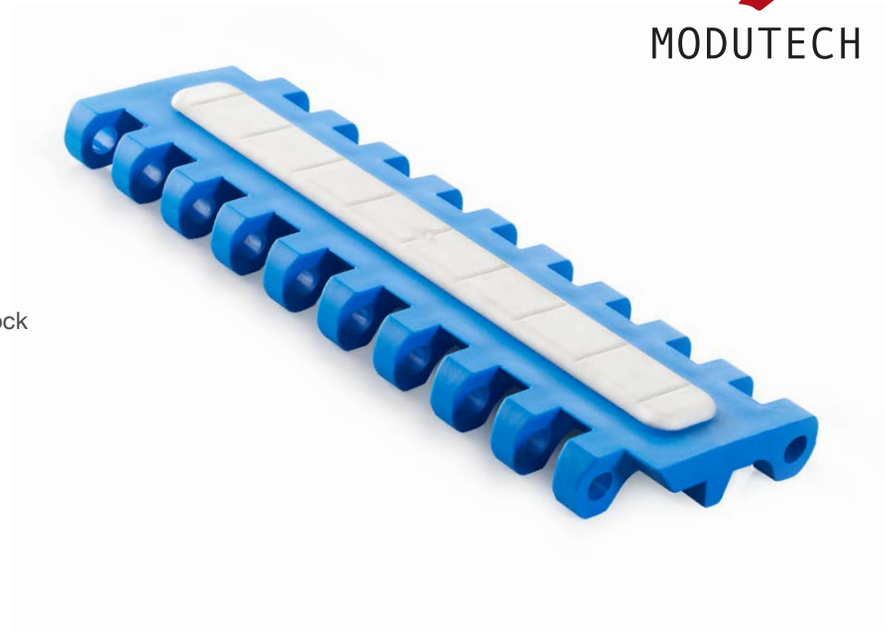
- **Packaging Applications**

Bluk Inclines, Box Transport Horizontal

EC508 GT *(FrictionTop)*

MODUTECH

Pitch:	50,8 mm / **2 inch**
Belt Surface:	Close, Friction Top Surface
Minimum Width:	100 mm / **3.94 inch**
Open Area (%):	0%
Flight:	Yes
Sidewall:	Yes
Pin:	Ø7 mm / **0.276 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White
Cleanability:	Excellent
Belt Thickness:	19 mm / **0.75 inch**

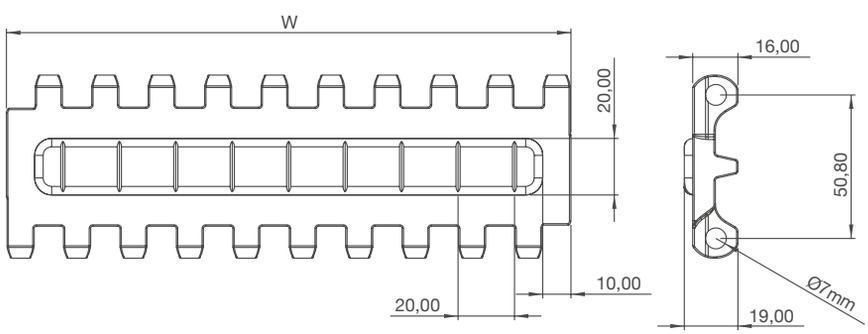


EC508 GT Technical Information

Belt Material		**PP**	**PP**
Rubber Material		**TPE**	
Pin Material		**PP**	**POM**
Belt Strength	N/m | **lb/ft**	29000 - **1987**	31000 - **2124**
Temperature	˚C **˚F**	+5 / +60 **+40 / +140**	+5 / +60 **+40 / +140**
Belt Weight	kg/m² | **lb/sqft²**	9.9 / **2.03**	9.9 / **2.03**

Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter for gravity take up center drive rollers (min.)		Backbending radius for elevators without side guards or hold down devices (min.)		Backbending radius for elevators with side guards or hold down devices (min.)	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
50	**3.5**	100	**4**	150	**6**	150	**6**	250	**10**

Belth Width mm	200,0	300,0	400,0	500,0	600,0	700,0	800,0	900,0	1000,0	1100,0	1200,0	1300,0	1400,0	1500,0	1600,0	1700,0	1800,0
Belth Width inch	**7.87**	**11.81**	**15.75**	**19.69**	**23.62**	**27.56**	**31.50**	**35.43**	**39.37**	**43.31**	**47.24**	**51.18**	**55.12**	**59.06**	**62.99**	**66.93**	**70.87**
Belth Width mm	1900,0	2000,0	2100,0	2200,0													
Belth Width inch	**74.80**	**78.74**	**82.68**	**86.61**													



Product Features and Functional Benefits

- Easy to clean reduces downtime for cleaning time 70%.
- Close transfer applications.
- Reduces bacteria growth.
- Unique sprocket engagement - higher product load and longer conveyors.
- Strong and thick product supports allow more load without breaking.
- Impact resistance to withstand heavy objects falling into the belt.

Important Notes

- **Standard belt increments 100 mm.**
- **Non-standard belt increments 20 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- Up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.

EC508 PR22%

Modular Belt Series

- **Meat Applications**

Dressing Lines, Trim Lines, Elevator, Metal Detector

- **Poultry Applications**

Cut-up Lines, Debonning Lines, Chiller Discharge, Rehang / Bird Accumulation, Freezing Lines, Elevators

- **Sea Food Applications**

Draining, Elevator

- **Snack Food Applications**

Can Draining

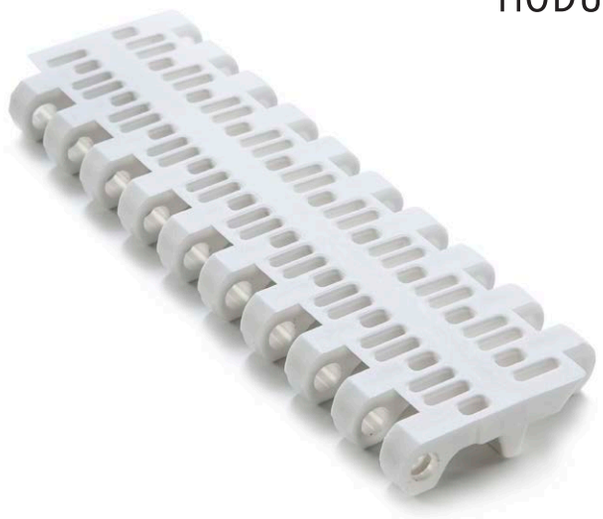
- **Fruits and Vegetables Applications**

Prewashing / Rinsing, Draining, Peeling, Elevator, Blanching

EC508 PR22%

MODUTECH

Pitch:	50,8 mm / **2 inch**
Belt Surface:	Open, Smooth Surface
Minimum Width:	100 mm / **3.94 inch**
Open Area (%):	22%. (Biggest opening 3 x 12 mm)
Flight:	Yes
Sidewall:	Yes
Pin:	Ø7 mm / **0.276 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Excellent
Belt Thickness:	16 mm / **0.630 inch**

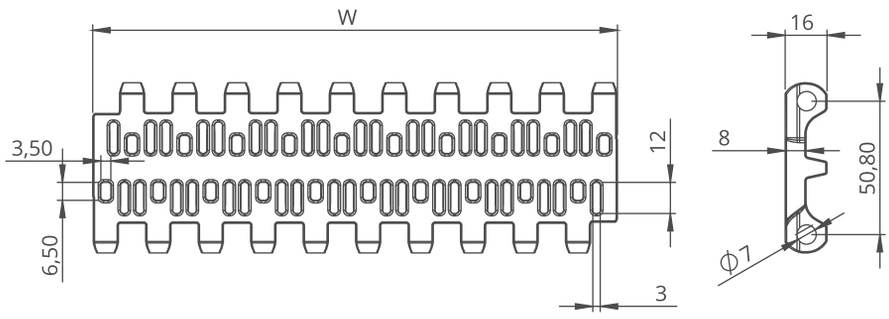


EC508 PR22% Technical Information

Belt Material		**POM**	**POM**	**POM**	**PP**	**PP**	**PE**	**PE**
Pin Material		**PA**	**POM**	**PE**	**PP**	**POM**	**POM**	**PE**
Belt Strength	N/m | **lb/ft**	30000 - **2055**	30000 - **2055**	18000 - **1233**	18000 - **1233**	18000 - **1233**	10000 -**685**	10000 -**685**
Temperature	˚C ˚F	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	-40 / +65 **-40 / +150**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +200**	-40 / +65 **+40 / +150**	-70 / +65 **-50 / +150**
Belt Weight	kg/m² | **lb/sqft²**	13.5 / **2.77**	13.5 / **2.77**	13.5 / **2.77**	9.0 / **1.85**	9.0 / **1.85**	9.4 / **1.93**	9.4 / **1.93**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
90	**3.5**	100	**4**	150	**6**	150	**6**	250	**10**

Belth Width mm	200,0	300,0	400,0	500,0	600,0	700,0	800,0	900,0	1000,0	1100,0	1200,0	1300,0	1400,0	1500,0	1600,0	1700,0	1800,0
Belth Width inch	**7.87**	**11.81**	**15.75**	**16.69**	**23.62**	**27.56**	**31.50**	**35.43**	**39.37**	**43.31**	**47.24**	**51.18**	**55.12**	**59.06**	**62.99**	**66.93**	**70.87**
Belth Width mm	1900,0	2000,0	2100,0	2200,0													
Belth Width inch	**74.80**	**78.74**	**82.68**	**86.61**													



Product Features and Functional Benefits

- Unique sprocket engagement - precise indexing, easy cleaning.
- Different openings to optimize performance in cooling and draining applications.
- Easy to clean reduces downtime for cleaning time 70%.
- Unique sprocket engagement - higher product load and longer conveyors.
- Reduces bacteria growth.

Important Notes

- **Standard belt increments 100 mm.**
- **Non-standard belt increments 20 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- For PE material up to 750 mm (30") -3 mm to 1 mm and -0.3% to 0.3% for wider belts.
- For PP material up to 750 mm (30") -2 mm to 1 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.

EC508 FG

Modular Belt Series

- **Bakery Applications**

Oven Infeed/Outfeed, Cooling Lines, Coating Lines, Glazing Lines, Freezing Lines, Conditioning Lines

- **Sea Food Applications**

Breading Machines, Draining Lines

- **Snack Food Applications**

Proofer Lines, Boiler Infeed, Oven Infeed / Outfeed, Cooling Lines

- **Fruits and Vegetables Applications**

Prewashing / Rinsing, Draining

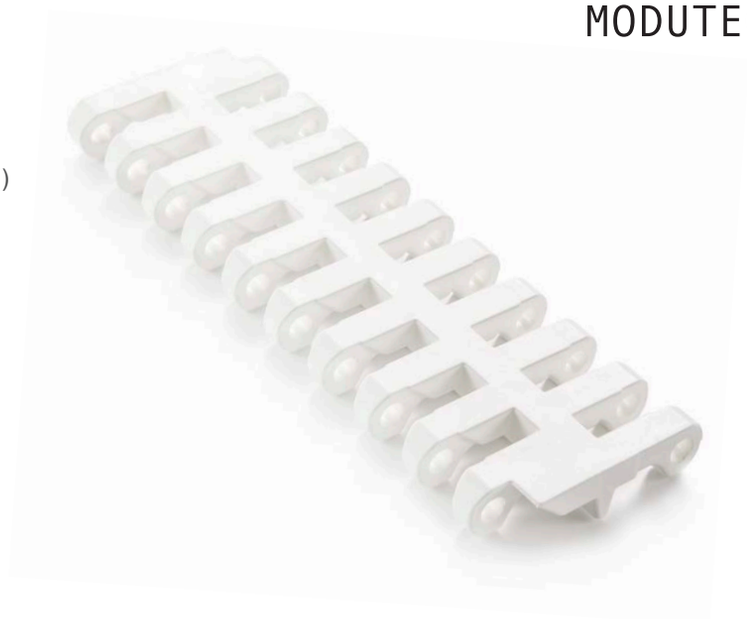
- **Tire Manufacturing Applications**

Mixer Infeed / Outfeed, Extrusion Shower Lines, Cooling Incline, Cooling Decline, Cooling Horizontal

EC508 FG

MODUTECH

Pitch:	50,8 mm / **2 inch**
Belt Surface:	Open, Smooth Surface
Minimum Width:	200 mm / **7.87 inch**
Open Area (%):	35%. (Biggest opening 9 x 12 mm)
Flight:	Yes
Sidewall:	Yes
Pin:	Ø7 mm / **0.276 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White
Cleanability:	Excellent
Belt Thickness:	16 mm / **0.630 inch**

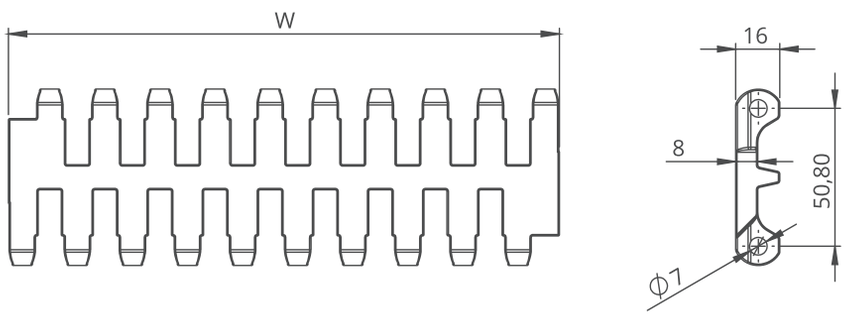


EC508 FG Technical Information

Belt Material		POM	POM	POM	PP	PP	PE
Pin Material		**PA**	**POM**	**PP**	**PP**	**POM**	**POM**
Belt Strength	N/m | **lb/ft**	25500 - **1746**	25500 - **1746**	24500 - **1678**	17500 - **1200**	17500 - **1200**	10000 - **684**
Temperature	°C °F	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	+5 / +93 **+40 / +200**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +200**	-40 / +65 **-40 / +150**
Belt Weight	kg/m² | **lb/sqft²**	11.0 / **2.25**	11.0 / **2.25**	11.0 / **2.25**	7.5 / **1.54**	7.5 / **1.54**	8.0 / **1.65**

Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter for gravity take up center drive rollers (min.)		Backbending radius for elevators without side guards or hold down devices (min.)		Backbending radius for elevators with side guards or hold down devices (min.)	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
90	**3.5**	100	**4**	150	**6**	150	**6**	250	**10**

Belth Width mm	200,0	300,0	400,0	500,0	600,0	700,0	800,0	900,0	1000,0	1100,0	1200,0	1300,0	1400,0	1500,0	1600,0	1700,0	1800,0
Belth Width inch	**7.87**	**11.81**	**15.75**	**16.69**	**23.62**	**27.56**	**31.50**	**35.43**	**39.37**	**43.31**	**47.24**	**51.18**	**55.12**	**59.06**	**62.99**	**66.93**	**70.87**
Belth Width mm	1900,0	2000,0	2100,0	2200,0													
Belth Width inch	**74.80**	**78.74**	**82.68**	**86.61**													



Product Features and Functional Benefits

- Belt provides optimal open area for drainage and airflow.
- Less friction and product contact for easy cooking, cooling and freezing of products.
- Reduced dirt and oxide build due to self cleaning surface.
- Easy to clean reduces downtime for cleaning time 70%.

Important Notes

- **Standard belt increments 100 mm.**
- **Non-standard belt increments 20 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- For PE material up to 750 mm (30") 0 mm to 1 mm and 0% to 0.1% for wider belts.
- For POM material up to 750 mm (30") -3 mm to 0 mm and -0.3% to 0% for wider belts.

EC508 FG-NT

Modular Belt Series

- **Bakery Applications**

Oven Infeed/Outfeed, Cooling Lines, Coating Lines, Glazing Lines, Freezing Lines, Conditioning Lines

- **Sea Food Applications**

Breading Machines, Draining Lines

- **Snack Food Applications**

Proofer Lines, Boiler Infeed, Oven Infeed / Outfeed, Cooling Lines

- **Fruits and Vegetables Applications**

Prewashing / Rinsing, Draining

- **Tire Manufacturing Applications**

Mixer Infeed / Outfeed, Extrusion Shower Lines, Cooling Incline, Cooling Decline, Cooling Horizontal

EC508 FG-NT

MODUTECH

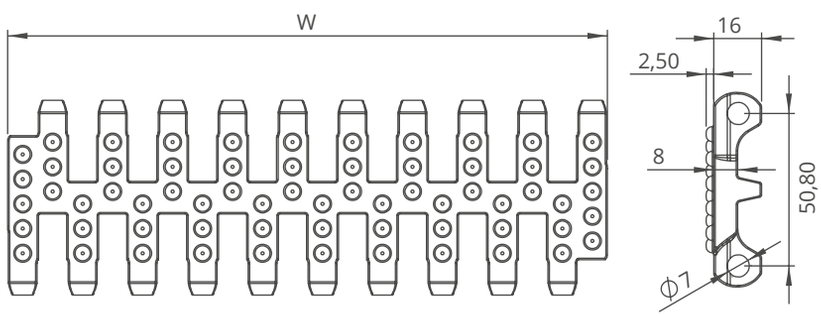
Pitch:	50,8 mm / **2 inch**
Belt Surface:	Open, Nub Top Surface
Minimum Width:	200 mm / **7.87 inch**
Open Area (%):	35%. (Biggest opening 9 x 12 mm)
Flight:	Yes
Sidewall:	Yes
Pin:	Ø7 mm / **0.275 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White
Cleanability:	Excellent
Belt Thickness:	18.5 mm / **0.728 inch**

EC508 FG-NT Technical Information

Belt Material		**POM**	**POM**	**POM**	**PP**	**PP**	**PE**
Pin Material		**PA**	**POM**	**PP**	**PP**	**POM**	**POM**
Belt Strength	N/m | **lb/ft**	25500 - **1746**	25500 - **1746**	24500 - **1678**	17500 - **1200**	17500 - **1200**	10000 - **684**
Temperature	°C °F	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	+5 / +93 **+40 / +200**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +200**	-40 / +65 **-40 / +150**
Belt Weight	kg/m² | **lb/sqft²**	11.0 / **2.25**	11.0 / **2.25**	11.0 / **2.25**	7.5 / **1.54**	7.5 / **1.54**	8.0 / **1.65**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
90	**3.5**	100	**4**	150	**6**	150	**6**	250	**10**

Belth Width mm	200,0	300,0	400,0	500,0	600,0	700,0	800,0	900,0	1000,0	1100,0	1200,0	1300,0	1400,0	1500,0	1600,0	1700,0	1800,0
Belth Width inch	**7.87**	**11.81**	**15.75**	**16.69**	**23.62**	**27.56**	**31.50**	**35.43**	**39.37**	**43.31**	**47.24**	**51.18**	**55.12**	**59.06**	**62.99**	**66.93**	**70.87**
Belth Width mm	1900,0	2000,0	2100,0	2200,0													
Belth Width inch	**74.80**	**78.74**	**82.68**	**86.61**													



Product Features and Functional Benefits

- Belt provides optimal open area for drainage and airflow.
- Less friction and product contact for easy cooking, cooling and freezing of products.
- Non-adhesive due to reduced contact surface.
- Reduced dirt and oxide build due to self cleaning surface.
- Easy to clean reduces downtime for cleaning time 70%.

Important Notes

- **Standard belt increments 100 mm.**
- **Non-standard belt increments 20 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- For PE material up to 750 mm (30") 0 mm to 1 mm and 0% to 0.1% for wider belts.
- For POM material up to 750 mm (30") -3 mm to 0 mm and -0.3% to 0% for wider belts.

EC508 PR11%

Modular Belt Series

- **Meat Applications**

Dressing Lines, Trim Lines, Elevator, Metal Detector

- **Poultry Applications**

Cut-up Lines, Debonning Lines, Chiller Discharge, Rehang / Bird Accumulation, Freezing Lines, Elevators

- **Sea Food Applications**

Draining, Elevator

- **Snack Food Applications**

Can Draining

- **Fruits and Vegetables Applications**

Prewashing / Rinsing, Draining, Peeling, Elevator

EC508 PR11%

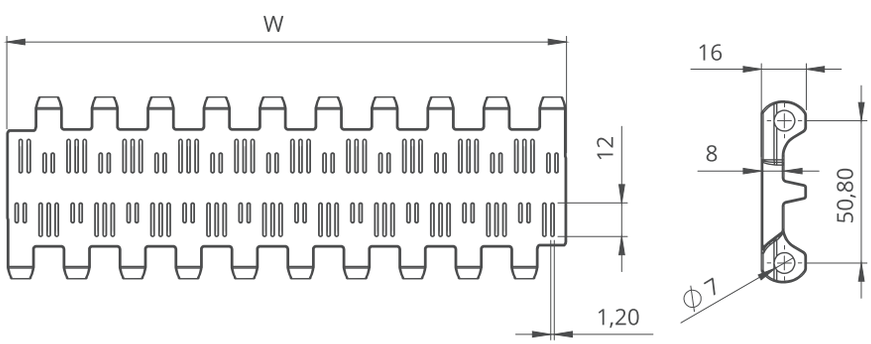
Pitch:	50,8 mm / **2 inch**
Belt Surface:	Open, Mesh Top Surface
Minimum Width:	200 mm / **7.87 inch**
Open Area (%):	11%. (Biggest opening 1,2 x 12 mm)
Flight:	Yes
Sidewall:	Yes
Pin:	Ø7 mm / **0.276 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White
Cleanability:	Excellent
Belt Thickness:	16 mm / **0.630 inch**

EC508 PR11% Technical Information

Belt Material		**PP**	**PP**	**PE**	**PE**
Pin Material		**PP**	**POM**	**POM**	**PE**
Belt Strength	N/m | **lb/ft**	18000 - **4100**	18000 - **4100**	10000 - **685**	10000 - **685**
Temperature	°C °F	+5 / +105 **+40 / +220**	+5 / +93 **-40 / +200**	-40 / +65 **-40 / +150**	-70 / +65 **+40 / +220**
Belt Weight	kg/m² | **lb/sqft²**	7.8 / **1.60**	7.8 / **1.60**	8.3 / **1.70**	8.3 / **1.70**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
90	**3.5**	100	**4**	150	**6**	150	**6**	250	**10**

Belth Width mm	200,0	300,0	400,0	500,0	600,0	700,0	800,0	900,0	1000,0	1100,0	1200,0	1300,0	1400,0	1500,0	1600,0	1700,0	1800,0
Belth Width inch	**7.87**	**11.81**	**15.75**	**16.69**	**23.62**	**27.56**	**31.50**	**35.43**	**39.37**	**43.31**	**47.24**	**51.18**	**55.12**	**59.06**	**62.99**	**66.93**	**70.87**
Belth Width mm	1900,0	2000,0	2100,0	2200,0													
Belth Width inch	**74.80**	**78.74**	**82.68**	**86.61**													



Product Features and Functional Benefits

- Unique sprocket engagement - precise indexing, easy cleaning.
- Different openings to optimize performance in cooling and draining applications.
- Easy to clean reduces downtime for cleaning time 70%.
- Unique sprocket engagement - higher product load and longer conveyors.
- Reduces bacteria growth.

Important Notes

- **Standard belt increments 100 mm.**
- **Non-standard belt increments 20 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- For PE material up to 750 mm (30") 0 mm to 1 mm and 0% to 0.1% for wider belts.
- For POM material up to 750 mm (30") -3 mm to 0 mm and -0.3% to 0% for wider belts.

EC508 PR13%

Modular Belt Series

- **Poultry Applications**

Cut-up Lines, Debonning Lines, Chiller Discharge, Rehang / Bird Accumulation, Freezing Lines, Elevators

- **Sea Food Applications**

Draining, Elevator

- **Snack Food Applications**

Can Draining

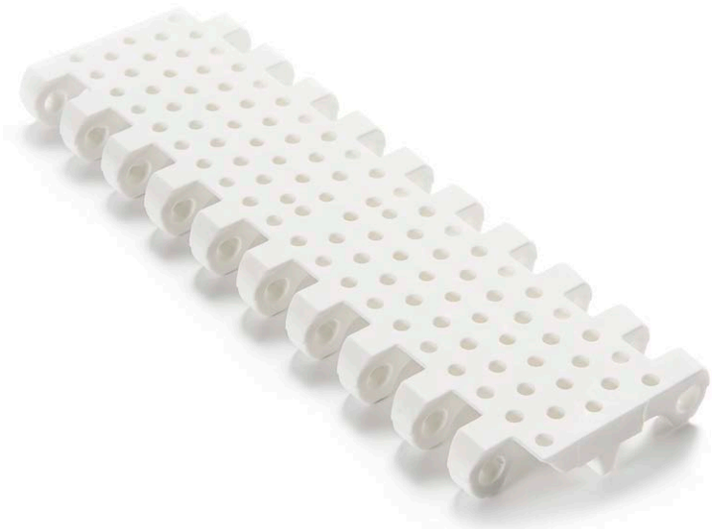
- **Fruits and Vegetables Applications**

Prewashing / Rinsing, Draining, Peeling, Elevator

EC508 PR13%

MODUTECH

Pitch:	50,8 mm / **2 inch**
Belt Surface:	Open, Smooth Surface
Minimum Width:	200 mm / **7.87 inch**
Open Area (%):	13%. (Biggest opening Ø3,8 mm)
Flight:	Yes
Sidewall:	Yes
Pin:	Ø7 mm / **0.276 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White
Cleanability:	Excellent
Belt Thickness:	16 mm / **0.630 inch**

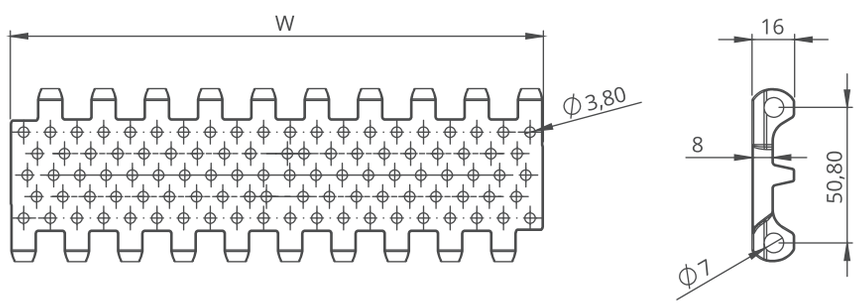


EC508 PR13% Technical Information

Belt Material		**POM**	**POM**	**POM**	**PP**	**PP**	**PE**	**PE**
Pin Material		**PA**	**POM**	**PE**	**PP**	**POM**	**POM**	**PE**
Belt Strength	N/m | **lb/ft**	30000 - **2055**	30000 - **2055**	18000 - **1233**	18000 - **1233**	18000 - **1233**	10000 -**685**	10000 -**685**
Temperature	˚C ˚F	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	-40 / +65 **-40 / +150**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +200**	-40 / +65 **+40 / +150**	-70 / +65 **-50 / +150**
Belt Weight	kg/m² | **lb/sqft²**	13.5 / **2.77**	13.5 / **2.77**	13.5 / **2.77**	9.0 / **1.85**	9.0 / **1.85**	9.4 / **1.93**	9.4 / **1.93**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
90	**3.5**	100	**4**	150	**6**	150	**6**	250	**10**

Belth Width mm	200,0	300,0	400,0	500,0	600,0	700,0	800,0	900,0	1000,0	1100,0	1200,0	1300,0	1400,0	1500,0	1600,0	1700,0	1800,0
Belth Width inch	**7.87**	**11.81**	**15.75**	**16.69**	**23.62**	**27.56**	**31.50**	**35.43**	**39.37**	**43.31**	**47.24**	**51.18**	**55.12**	**59.06**	**62.99**	**66.93**	**70.87**
Belth Width mm	1900,0	2000,0	2100,0	2200,0													
Belth Width inch	**74.80**	**78.74**	**82.68**	**86.61**													



Product Features and Functional Benefits

- Unique sprocket engagement - precise indexing, easy cleaning.
- Different openings to optimize performance in cooling and draining applications.
- Easy to clean reduces downtime for cleaning time 70%.
- Unique sprocket engagement - higher product load and longer conveyors.
- Reduces bacteria growth.

Important Notes

- **Standard belt increments 100 mm.**
- **Non-standard belt increments 20 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- For PE material up to 750 mm (30") 0 mm to 1 mm and 0% to 0.1% for wider belts.
- For POM material up to 750 mm (30") -3 mm to 0 mm and -0.3% to 0% for wider belts.

EC508 DT

Modular Belt Series

- **Meat Applications**

Slaughterining / Evisceration, Cutting Lines, Deboning Lines, Bone Takeaway, Dressing Lines, Trim Lines

- **Poultry Applications**

Live Birds, Slaughterining / Evisceration, Skining, Cut-up, Chiller Discharge, Bird Accumulation, Freezing Lines, Elevators

- **Sea Food Applications**

Trim Lines, Control Tables, Glazing, Elevators

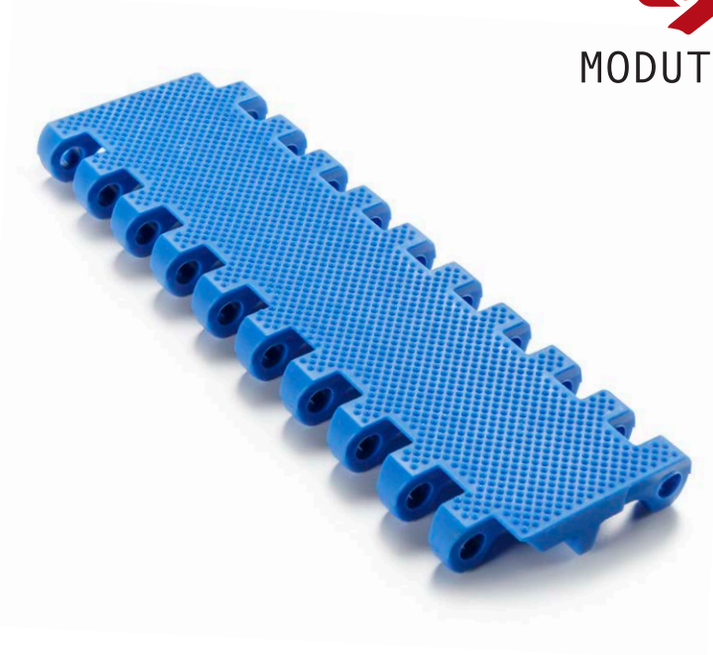
- **Fruits and Vegetables Applications**

Bulk Feeding, Elevators, Control Sorting Table, Filling

EC508 DT

MODUTECH

Pitch:	50,8 mm / **2 inch**
Belt Surface:	Close, Diamond Top Surface
Minimum Width:	200 mm / **7.87 inch**
Open Area (%):	0%
Flight:	Yes
Sidewall:	Yes
Pin:	Ø7 mm / **0.276 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White
Cleanability:	Excellent
Belt Thickness:	17 mm / **0.669 inch**

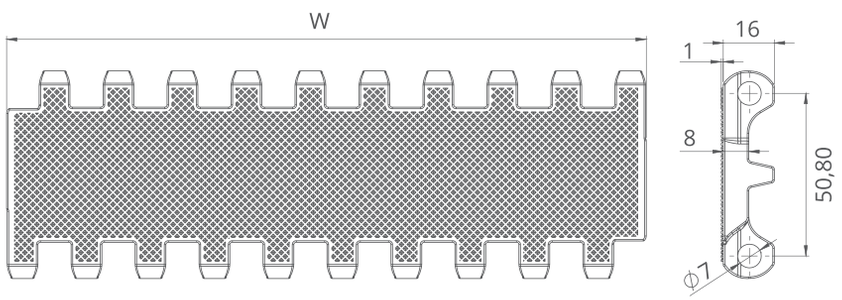


EC508 DT Technical Information

Belt Material		**POM**	**POM**	**POM**	**PP**	**PP**	**PE**	**PE**
Pin Material		**PA**	**POM**	**PE**	**PP**	**POM**	**POM**	**PE**
Belt Strength	N/m | **lb/ft**	30000 - **2055**	30000 - **2055**	18000 - **1233**	18000 - **1233**	18000 - **1233**	10000 -**685**	10000 -**685**
Temperature	˚C ˚F	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	-40 / +65 **-40 / +150**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +200**	-40 / +65 **+40 / +150**	-70 / +65 **-50 / +150**
Belt Weight	kg/m² | **lb/sqft²**	13.5 / **2.77**	13.5 / **2.77**	13.5 / **2.77**	9.0 / **1.85**	9.0 / **1.85**	9.4 / **1.93**	9.4 / **1.93**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
90	**3.5**	100	**4**	150	**6**	150	**6**	250	**10**

Belth Width mm	200,0	300,0	400,0	500,0	600,0	700,0	800,0	900,0	1000,0	1100,0	1200,0	1300,0	1400,0	1500,0	1600,0	1700,0	1800,0
Belth Width inch	**7.87**	**11.81**	**15.75**	**16.69**	**23.62**	**27.56**	**31.50**	**35.43**	**39.37**	**43.31**	**47.24**	**51.18**	**55.12**	**59.06**	**62.99**	**66.93**	**70.87**
Belth Width mm	1900,0	2000,0	2100,0	2200,0													
Belth Width inch	**74.80**	**78.74**	**82.68**	**86.61**													

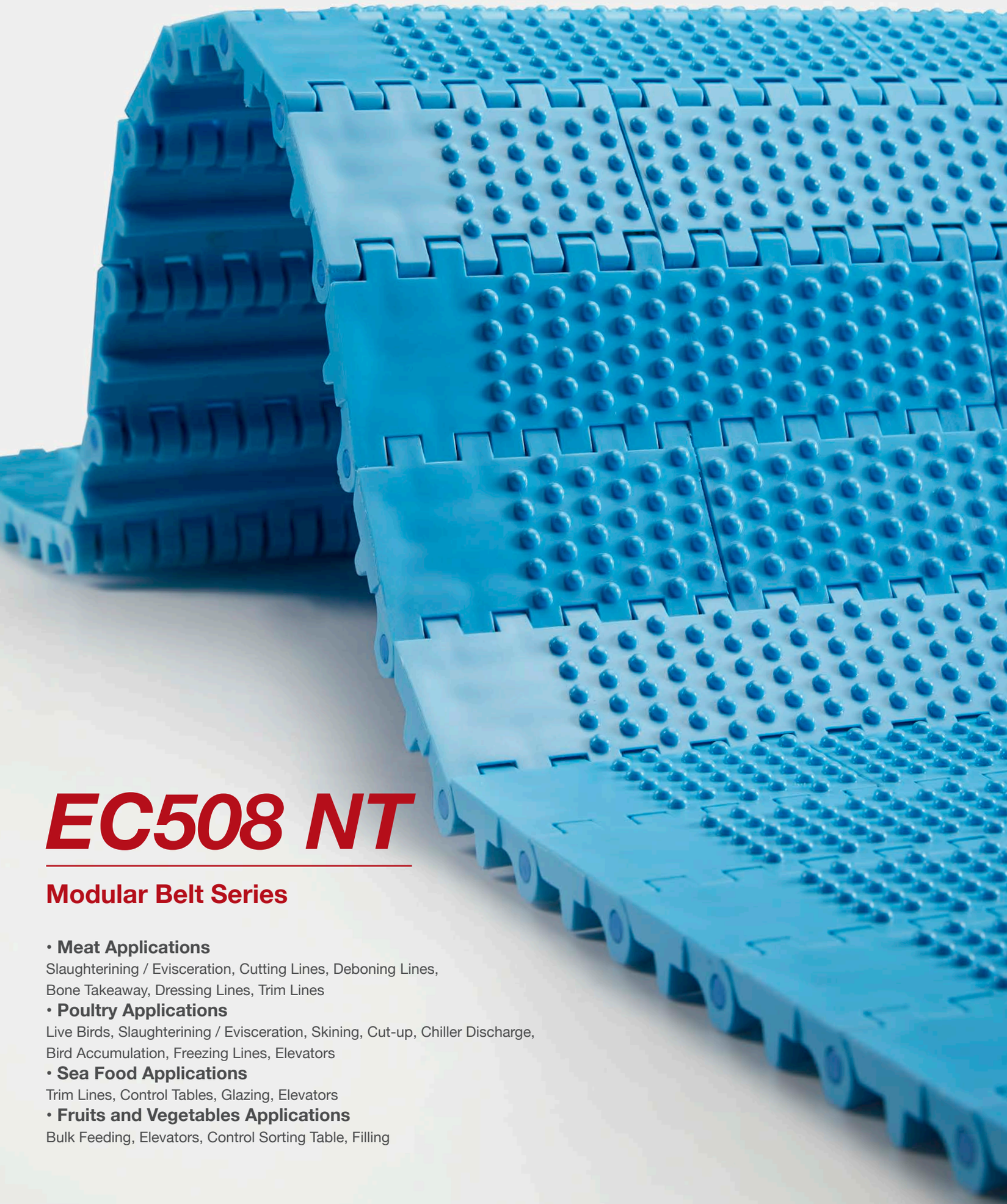


Product Features and Functional Benefits

- Easy to clean reduces downtime for cleaning time 70%.
- Close, sticky transfer applications. Non-adhesive due to reduced contact surface.
- Reduces bacteria growth.
- Unique sprocket engagement - higher product load and longer conveyors.
- Strong and thick product supports allow more load without breaking.
- Impact resistance to withstand heavy objects falling into the belt.

Important Notes

- **Standard belt increments 100 mm.**
- **Non-standard belt increments 20 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- For POM material up to 750 mm (30") -3 mm to 0 mm and -0.3% to 0% for wider belts.



EC508 NT

Modular Belt Series

- **Meat Applications**

Slaughterining / Evisceration, Cutting Lines, Deboning Lines, Bone Takeaway, Dressing Lines, Trim Lines

- **Poultry Applications**

Live Birds, Slaughterining / Evisceration, Skining, Cut-up, Chiller Discharge, Bird Accumulation, Freezing Lines, Elevators

- **Sea Food Applications**

Trim Lines, Control Tables, Glazing, Elevators

- **Fruits and Vegetables Applications**

Bulk Feeding, Elevators, Control Sorting Table, Filling

EC508 NT

MODUTECH

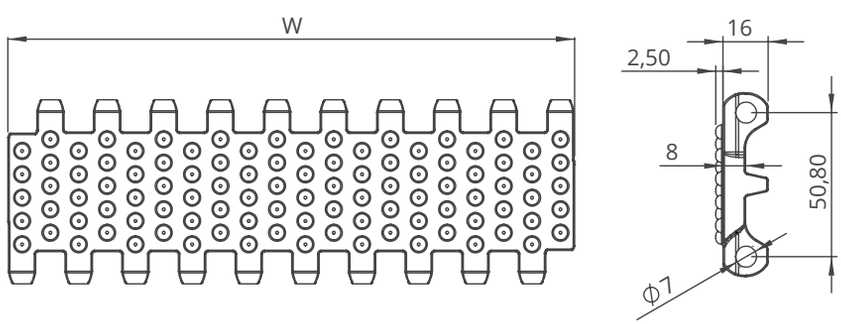
Pitch:	50,8 mm / **2 inch**
Belt Surface:	Close, Nub Top Surface
Minimum Width:	200 mm / **7.87 inch**
Open Area (%):	0%
Flight:	Yes
Sidewall:	Yes
Pin:	Ø7 mm / **0.275 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White
Cleanability:	Excellent
Belt Thickness:	18,5 mm / **0.728 inch**

EC508 NT Technical Information

Belt Material		**POM**	**POM**	**POM**	**PP**	**PP**	**PE**	**PE**
Pin Material		**PA**	**POM**	**PE**	**PP**	**POM**	**POM**	**PE**
Belt Strength	N/m | **lb/ft**	30000 - **2055**	30000 - **2055**	18000 - **1233**	18000 - **1233**	18000 - **1233**	10000 -**685**	10000 -**685**
Temperature	˚C ˚F	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	-40 / +65 **-40 / +150**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +200**	-40 / +65 **+40 / +150**	-70 / +65 **-50 / +150**
Belt Weight	kg/m² | **lb/sqft²**	13.5 / **2.77**	13.5 / **2.77**	13.5 / **2.77**	9.0 / **1.85**	9.0 / **1.85**	9.4 / **1.93**	9.4 / **1.93**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
90	**3.5**	100	**4**	150	**6**	150	**6**	250	**10**

Belth Width mm	200,0	300,0	400,0	500,0	600,0	700,0	800,0	900,0	1000,0	1100,0	1200,0	1300,0	1400,0	1500,0	1600,0	1700,0	1800,0
Belth Width inch	**7.87**	**11.81**	**15.75**	**16.69**	**23.62**	**27.56**	**31.50**	**35.43**	**39.37**	**43.31**	**47.24**	**51.18**	**55.12**	**59.06**	**62.99**	**66.93**	**70.87**
Belth Width mm	1900,0	2000,0	2100,0	2200,0													
Belth Width inch	**74.80**	**78.74**	**82.68**	**86.61**													



Product Features and Functional Benefits

- Easy to clean reduces downtime for cleaning time 70%.
- Close, sticky transfer applications. Non-adhesive due to reduced contact surface.
- Reduces bacteria growth.
- Unique sprocket engagement - higher product load and longer conveyors.
- Strong and thick product supports allow more load without breaking.
- Impact resistance to withstand heavy objects falling into the belt.

Important Notes

- **Standard belt increments 100 mm.**
- **Non-standard belt increments 20 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 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 -0.4% to 0% for wider belts.

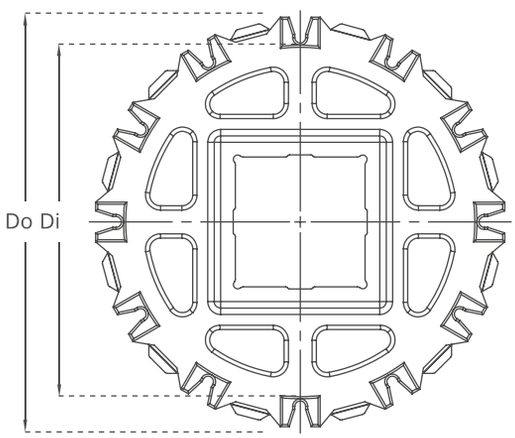
EC508 Series

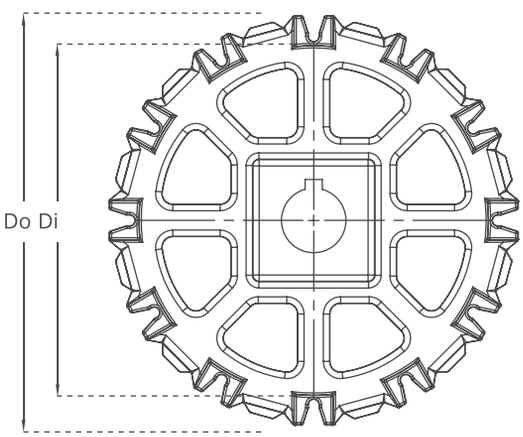
Sprockets and Technical Specifications

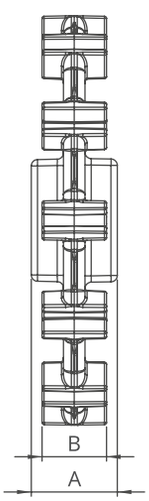
Z10

Z10

Z12





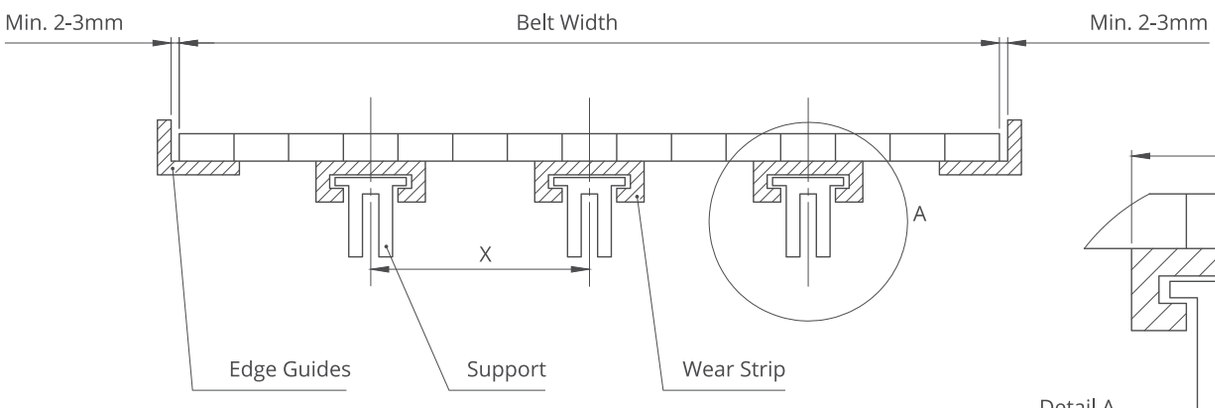


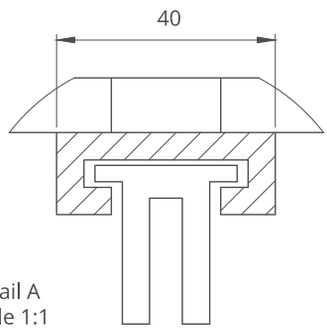
EC508 Series / Standard Sprockets Dimensions

NO.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)
Z6	72,9 / **2.87**	90,2 / **3.54**	30,0 / **1.18**	40,0 / **1.57**	40	**1.5**	25-30	**1-1.25**	EC508SQZ6*PA	EC508SRZ6*PA
Z8	107,1 / **4.22**	124,6 / **4.91**	30,0 / **1.18**	40,0 / **1.57**	40	**1.5**	25-30	**1-1.25**	EC508SQZ8*PA	EC508SRZ8*PA
Z10	141,6 / **5.57**	158,2 / **6.22**	30,0 / **1.18**	40,0 / **1.57**	40-60	**1.5-2.5**	30	**1.25**	EC508SQZ10*PA	EC508SRZ10*PA
Z12	174,6 / **6.87**	191,1 / **7.52**	30,0 / **1.18**	40,0 / **1.57**	40-60	**1.5-2.5**	30	**1.25**	EC508SQZ12*PA	EC508SRZ12*PA

*Other sprockets and hub sizes are manufactured up to request.
*POM (Acetal) and PP (Polypropylene) sprockets raw material is available on request.
***Machined Split Sprockets are avaliable for each size.**

EC508 Series / Slider Support System For Straight Running Belts



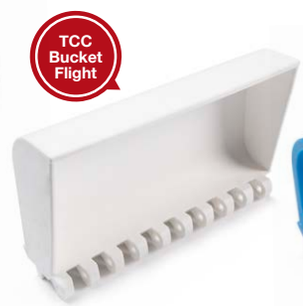


Note: The max. distances between the wear strips have to be (X) ;
125 mm for 2” belts. 80 mm for 1” / 0.5” belts.

EC508 Series

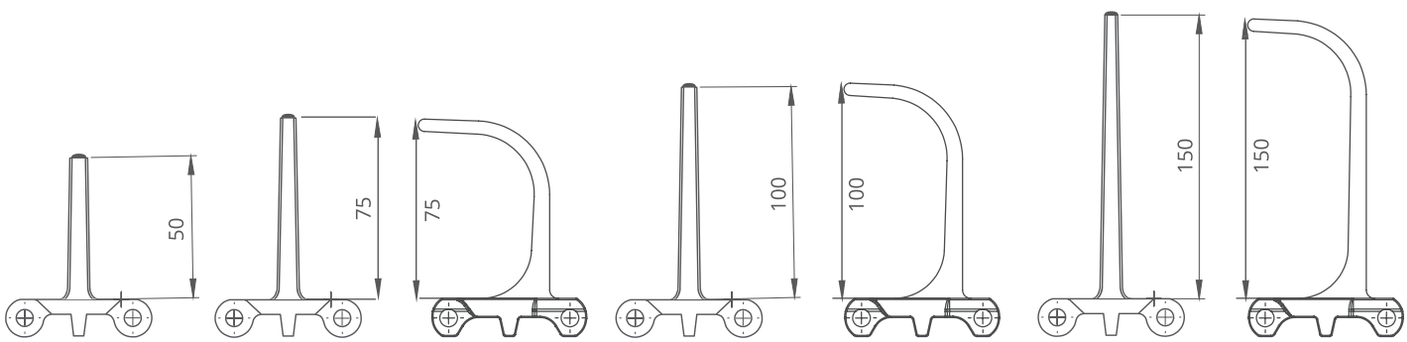
Accessories and Technical Specifications

MODUTECH

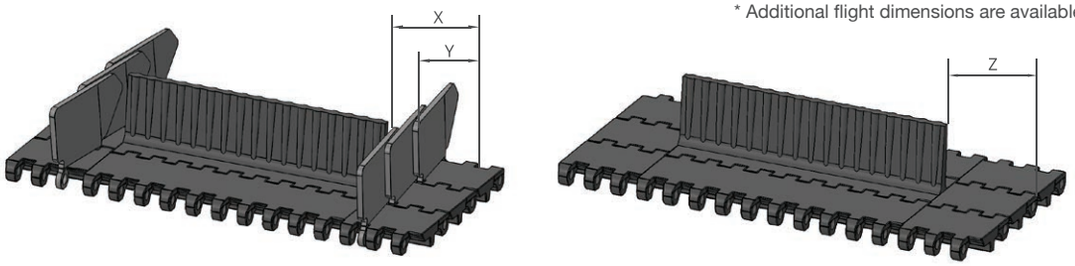


EC508 Series / Flight & Sidewall Dimensions

EC508 Series / Flights & Sidewalls				
PRODUCT CODE	Flight Height (mm/**inch**)	Flight Width (mm/**inch**)	PRODUCT CODE	Sidewall Height (mm/**inch**)
EC508T25	25 / **1**	200 / **7.87**	EC508SW25	25 / **1**
EC508T50	50 / **2**	200 / **7.87**	EC508SW50	50 / **2**
EC508T75	75 / **3**	200 / **7.87**	EC508SW75	75 / **3**
EC508T100	100 / **4**	200 / **7.87**	EC508SW100	100 / **4**
EC508T150	150 / **6**	200 / **7.87**	-	-
EC508TC75	75 / **3**	200 / **7.87**	-	-
EC508TC100	100 / **4**	200 / **7.87**	-	-
EC508TC150	150 / **6**	200 / **7.87**	-	-
EC508TCC75	75 / **3**	200 / **7.87**	-	-
EC508TCC100	100 / **4**	200 / **7.87**	-	-
EC508TCC150	150 / **6**	200 / **7.87**	-	-
EC508TNC100	100 / **4**	200 / **7.87**	-	-
EC508TCH100	100 / **4**	200 / **7.87**	-	-
EC508TCCH100	100 / **4**	200 / **7.87**	-	-



* Additional flight dimensions are available up to 150 mm.



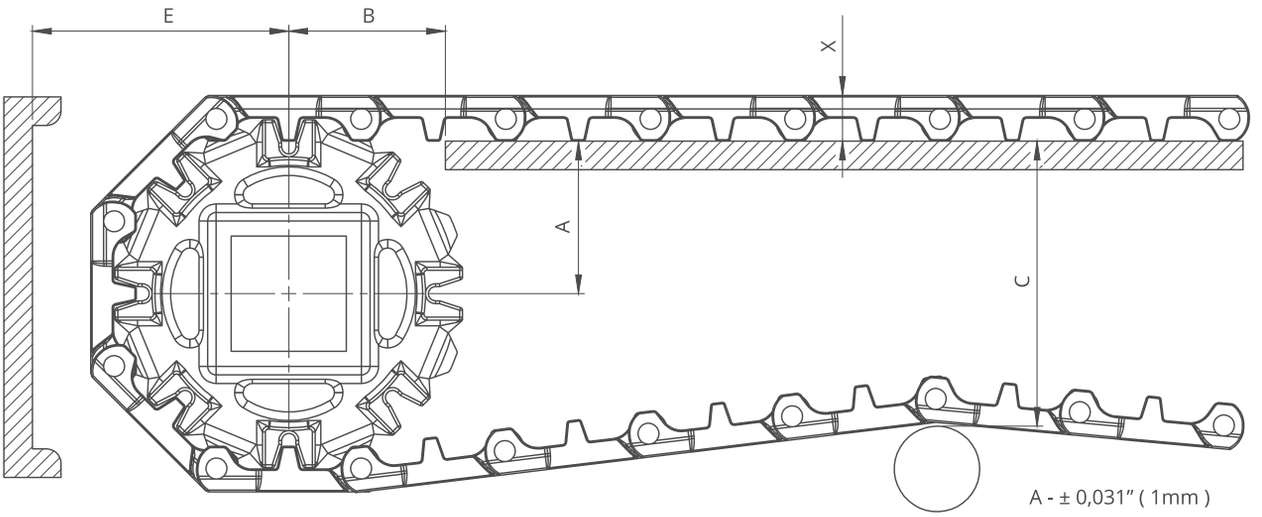
EC508 Series / Sidewall Technical Specifications

Possible Sidewall and Flights Indents	X		Y		Z	
	mm	**inch**	mm	**inch**	mm	**inch**
Standard, no module cutting	30,1	**1.18**	18,3	**0.72**	40,0	**1.57**
Non-Standard, module cutting	40,1	**1.58**	28,3	**1.12**	50,0	**1.97**
Standard, no module cutting	50,1	**1.97**	38,3	**1.51**	60,0	**2.36**
Non-Standard, module cutting	60,1	**2.36**	48,3	**1.90**	70,0	**2.76**
Standard, module cutting	70,1	**2.76**	58,3	**2.30**	80,0	**3.15**
Non-Standard, module cutting	80,1	**3.15**	68,3	**2.69**	90,0	**3.54**

Note: Gap between flight and sidewall minimum 2-3 mm

EC508 Series

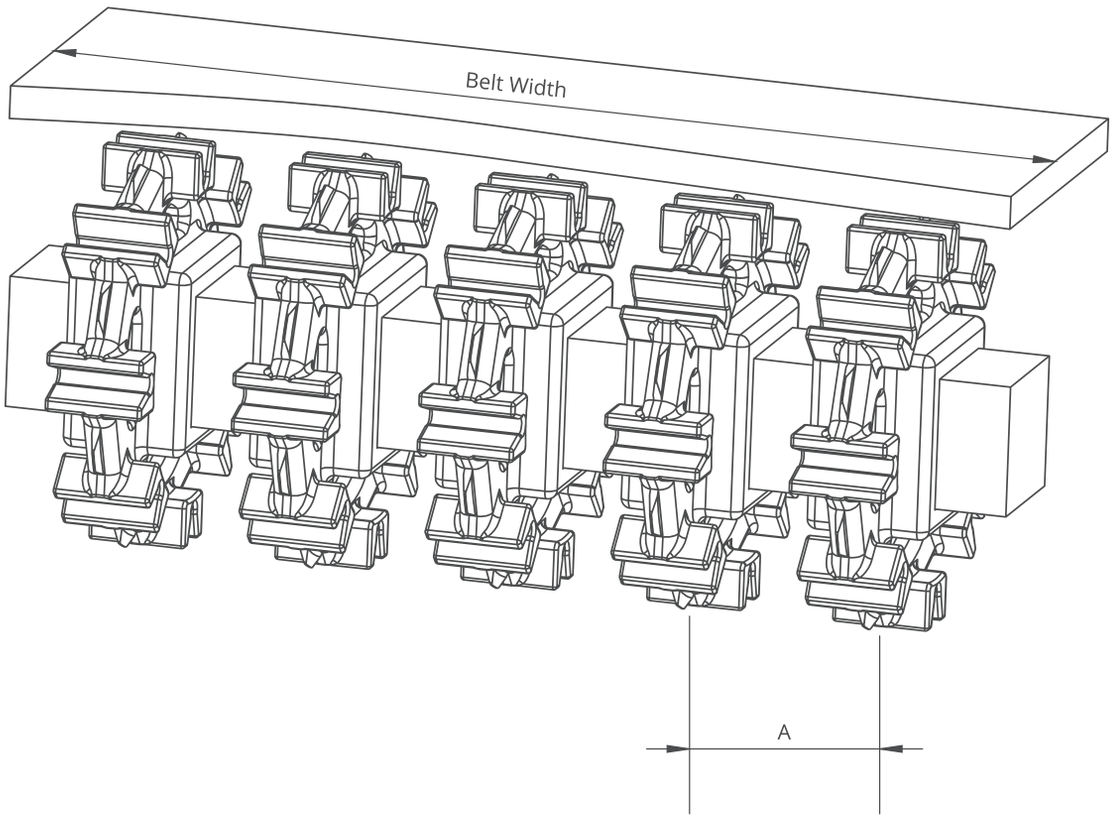
Engineering Information



A - ± 0,031" (1mm)
B - ± 0,125" (3mm)
C - ± (Max.)
E - ± (Min.)

EC508 Series / Conveyor Frame Dimensions

Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)									
inch	mm		**inch**	mm	**inch**	mm	**inch**	mm	**inch**	mm	**inch**	mm
EC508 C, EC508 PR22%, EC508 PR13%, EC508 PR11%, EC508 FG												
3.23	82,0	6	**1.70**	43,3	**1.72**	43,8	**2.92**	74,3	**2.73**	69,3	**0.63**	16,0
4.57	116,0	8	**2.34**	59,4	**2.08**	52,7	**4.23**	107,4	**3.36**	85,4	**0.63**	16,0
5.91	150,0	10	**2.96**	75,3	**2.38**	60,5	**5.52**	140,3	**3.99**	101,3	**0.63**	16,0
7.23	183,6	12	**3.65**	92,8	**2.58**	65,5	**6.87**	174,6	**4.68**	118,8	**0.63**	16,0
EC508 DT												
3.23	82,0	6	**1.70**	43,3	**1.72**	43,8	**2.92**	74,3	**2.73**	69,3	**0.67**	17,0
4.57	116,0	8	**2.34**	59,4	**2.08**	52,7	**4.23**	107,4	**3.36**	85,4	**0.67**	17,0
5.91	150,0	10	**2.96**	75,3	**2.38**	60,5	**5.52**	140,3	**3.99**	101,3	**0.67**	17,0
7.23	183,6	12	**3.65**	92,8	**2.58**	65,5	**6.87**	174,6	**4.68**	118,8	**0.67**	17,0
EC508 NT, EC508 FG-NT												
3.23	82,0	6	**1.70**	43,3	**1.72**	43,8	**2.83**	71,8	**2.83**	71,8	**0.73**	18,5
4.57	116,0	8	**2.34**	59,4	**2.08**	52,7	**4.13**	104,9	**3.46**	87,9	**0.73**	18,5
5.91	150,0	10	**2.96**	75,3	**2.38**	60,5	**5.43**	137,8	**4.09**	103,8	**0.73**	18,5
7.23	183,6	12	**3.65**	92,8	**2.58**	65,5	**6.78**	172,1	**4.78**	121,3	**0.73**	18,5
EC508 C-RT, EC508 FG-RT												
3.23	82,0	6	**1.57**	39,8	**1.72**	43,8	**2.92**	74,3	**2.87**	72,8	**0.90**	23,1
4.57	116,0	8	**2.20**	55,9	**2.08**	52,7	**4.23**	107,4	**3.50**	88,9	**0.90**	23,1
5.91	150,0	10	**2.83**	71,9	**2.38**	60,5	**5.52**	140,3	**4.13**	104,8	**0.90**	23,1
7.23	183,6	12	**3.52**	89,3	**2.58**	65,5	**6.87**	174,6	**4.81**	122,3	**0.90**	23,1
EC508 GT												
3.23	82,0	6	**1.70**	43,3	**1.72**	43,8	**3.04**	77,3	**2.85**	72,3	**0.75**	19,0
4.57	116,0	8	**2.34**	59,4	**2.08**	52,7	**4.35**	110,4	**3.48**	88,4	**0.75**	19,0
5.91	150,0	10	**2.96**	75,3	**2.38**	60,5	**5.64**	143,3	**4.11**	104,3	**0.75**	19,0
7.23	183,6	12	**3.65**	92,8	**2.58**	65,5	**6.99**	177,6	**4.80**	121,8	**0.75**	19,0



EC508 Series / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/**inch**)	
mm	**inch**	Drive Shaft	Return Shaft	Min.	Max.
200,0	**7.9**	2	2	60/**2.36**	150/**5.9**
300,0	**11.8**	3	2	60/**2.36**	150/**5.9**
400,0	**15.7**	3	3	60/**2.36**	150/**5.9**
500,0	**19.7**	4	3	60/**2.36**	150/**5.9**
600,0	**23.6**	4	3	60/**2.36**	150/**5.9**
700,0	**27.6**	5	4	60/**2.36**	150/**5.9**
800,0	**31.5**	6	4	60/**2.36**	150/**5.9**
900,0	**35.4**	6	5	60/**2.36**	150/**5.9**
1000,0	**39.4**	7	5	60/**2.36**	150/**5.9**
1100,0	**43.3**	7	5	60/**2.36**	150/**5.9**
1200,0	**47.2**	8	6	60/**2.36**	150/**5.9**
1400,0	**55.1**	9	7	60/**2.36**	150/**5.9**
1600,0	**63.0**	10	7	60/**2.36**	150/**5.9**
1800,0	**70.9**	11	8	60/**2.36**	150/**5.9**
2000,0	**78.7**	12	8	60/**2.36**	150/**5.9**
2200,0	**86.6**	13	9	60/**2.36**	150/**5.9**
2400,0	**94.5**	14	10	60/**2.36**	150/**5.9**
2600,0	**102.4**	15	10	60/**2.36**	150/**5.9**
2800,0	**110.2**	16	11	60/**2.36**	150/**5.9**
3000,0	**118.1**	17	12	60/**2.36**	150/**5.9**

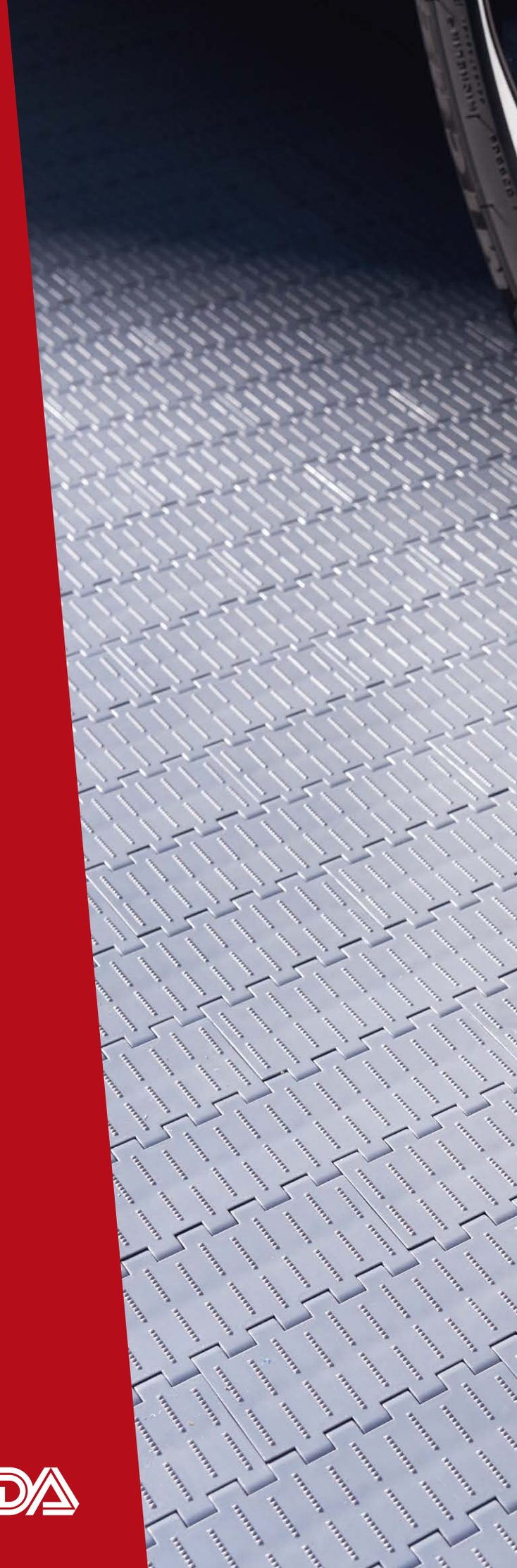
Note: Number of sprockets depends on the belt load.

MODUTECH®

MD508

Modular Belt Series

MD508 C
MD508 C-RT / Roller Top
MD508 FG
MD508 FG-RT / Roller Top
MD508 PR25%
MD508 NS
Sprockets & Accessories
Engineering Information



FDA

www.modutech.com.tr


e·PRIMACY

MD508 C

Modular Belt Series

- **Corrugated Cardbord Applications**

Down Stackers, Corrugator Take Off, Strap Feed

- **Lumber Industry**

Lumber Transport, Cutting Process

- **Snack Food Applications**

Potato Processing

- **Fruits and Vegetables Applications**

Bulk Feeding, Elevator, Control Sorting Table, Filling

- **Automotive Applications**

Chair Lift - Feader

- **Packaging Applications**

Bluk Inclines, Box Transport Horizontal

MD508 C

MODUTECH

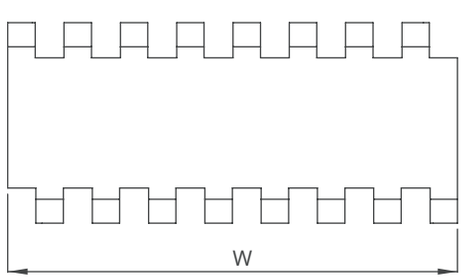
Pitch:	50,8 mm / **2 inch**
Belt Surface:	Close, Smooth Surface
Minimum Width:	150 mm / **5.90 inch**
Open Area (%):	0%
Flight:	Yes
Sidewall:	No
Pin:	Ø7 mm / **0.275 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Good
Belt Thickness:	16 mm / **0.629 inch**

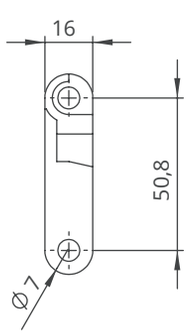
MD508 C Technical Information

Belt Material		POM	POM	POM	PP	PP	PE
Pin Material		**PA**	**POM**	**PP**	**PP**	**POM**	**POM**
Belt Strength	N/m | **lb/ft**	60000 - **4100**	60000 - **4100**	35000 - **2398**	37400 - **2562**	37400 - **2562**	26400 - **1808**
Temperature	°C °F	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	+5 / +93 **+40 / +200**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +200**	-40 / +65 **-40 / +150**
Belt Weight	kg/m² | **lb/sqft²**	13.5 / **2.77**	13.5 / **2.77**	13.5 / **2.77**	8.7 / **1.78**	8.7 / **1.78**	9.3 / **1.90**

Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter for gravity take up center drive rollers (min.)		Backbending radius for elevators without side guards or hold down devices (min.)		Backbending radius for elevators with side guards or hold down devices (min.)	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
90	**3.5**	100	**4**	150	**6**	150	**6**	250	**10**

Belth Width mm	150,0	225,0	300,0	375,0	450,0	525,0	600,0	675,0	750,0	825,0	900,0	975,0	1050,0	1125,0	1200,0	1275,0	1350,0
Belth Width inch	**5.91**	**8.86**	**11.81**	**14.76**	**17.72**	**20.67**	**23.62**	**26.57**	**29.53**	**32.48**	**35.43**	**38.39**	**41.34**	**44.29**	**47.24**	**50.20**	**53.15**
Belth Width mm	1425,0	1500,0	1575,0	1650,0	1725,0												
Belth Width inch	**56.10**	**59.06**	**62.01**	**64.96**	**67.91**												





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.

Important Notes

- **Standard belt increments 75 mm.**
- **Non-standard belt increments 18,75 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 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 POM material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.

MD508 C-RT

Roller Top

Modular Belt Series

- **Corrugated Cardbord Applications**

Down Stackers, Corrugator Take Off, Strap Feed

- **Lumber Industry**

Lumber Transport, Cutting Process

- **Snack Food Applications**

Potato Processing

- **Fruits and Vegetables Applications**

Bulk Feeding, Elevator, Control Sorting Table, Filling

- **Automotive Applications**

Chair Lift - Feader

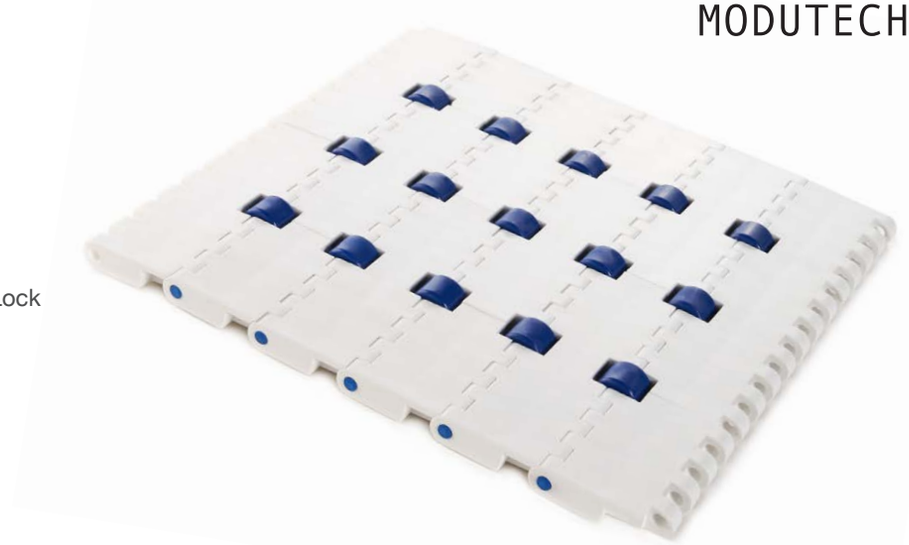
- **Packaging Applications**

Bluk Inclines, Box Transport Horizontal

MD508 C-RT (Roller Top)

MODUTECH

Pitch:	50,8 mm / **2 inch**
Belt Surface:	Close, Smooth Surface
Minimum Width:	150 mm / **5.90 inch**
Open Area (%):	0%
Flight:	Yes
Sidewall:	No
Pin:	Ø7 mm / **0.275 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Good
Belt Thickness:	16 mm / **0.629 inch**

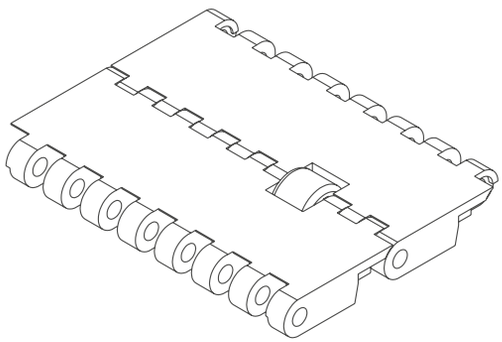


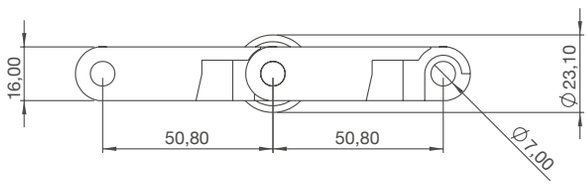
MD508 C-RT Technical Information

Belt Material		**POM**	**POM**
Roller Material		**POM**	
Pin Material		**PA**	**POM**
Belt Strength	N/m | **lb/ft**	42000 - **2877**	42000 - **2877**
Temperature	˚C **˚F**	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**
Belt Weight	kg/m² | **lb/sqft²**	13.5 / **2.77**	13.5 / **2.77**

Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter for gravity take up center drive rollers (min.)		Backbending radius for elevators without side guards or hold down devices (min.)		Backbending radius for elevators with side guards or hold down devices (min.)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
90	**3.5**	100	**4**	150	**6**	150	**6**	250	**10**

Belth Width mm	150,0	225,0	300,0	375,0	450,0	525,0	600,0	675,0	750,0	825,0	900,0	975,0	1050,0	1125,0	1200,0	1275,0	1350,0
Belth Width inch	**5.91**	**8.86**	**11.81**	**14.76**	**17.72**	**20.67**	**23.62**	**26.57**	**29.53**	**32.48**	**35.43**	**38.39**	**41.34**	**44.29**	**47.24**	**50.20**	**53.15**
Belth Width mm	1425,0	1500,0	1575,0	1650,0	1725,0												
Belth Width inch	**56.10**	**59.06**	**62.01**	**64.96**	**67.91**												





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.

Important Notes

- **Standard belt increments 75 mm.**
- **Non-standard belt increments 18,75 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 0.1% to 0.3% smaller.

MD508 FG

Modular Belt Series

- **Bakery Applications**

Oven Infeed/Outfeed, Cooling Lines, Coating Lines, Glazing Lines, Freezing Lines, Conditioning Lines

- **Sea Food Applications**

Breading Machines, Draining Lines

- **Snack Food Applications**

Proofer Lines, Boiler Infeed, Oven Infeed / Outfeed, Cooling Lines

- **Fruits and Vegetables Applications**

Prewashing / Rinsing, Draining

- **Tire Manufacturing Applications**

Mixer Infeed / Outfeed, Extrusion Shower Lines, Cooling Incline, Cooling Decline, Cooling Horizontal

MD508 FG

MODUTECH

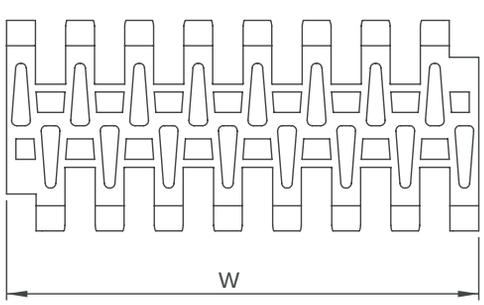
Pitch:	50,8 mm / **2 inch**
Belt Surface:	Open, Smooth Surface
Minimum Width:	150 mm / **5.90 inch**
Open Area (%):	34%. (Biggest opening 6 x 19,8 mm)
Flight:	Yes
Sidewall:	No
Pin:	Ø7 mm / **0.275 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Good
Belt Thickness:	16 mm / **0.629 inch**

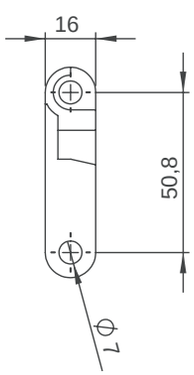
MD508 FG Technical Information

Belt Material		**POM**	**POM**	**POM**	**PP**	**PP**	**PE**
Pin Material		**PA**	**POM**	**PP**	**PP**	**POM**	**POM**
Belt Strength	N/m | **lb/ft**	35000 - **2397**	35000 - **2397**	30000 - **2355**	26000- **1781**	26000- **1781**	18000 - **1233**
Temperature	°C °F	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	+5 / +93 **+40 / +200**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +200**	-40 / +65 **-40 / +150**
Belt Weight	kg/m² | **lb/sqft²**	10.2 / **2.09**	10.2 / **2.09**	10.2 / **2.09**	6.8 / **1.39**	6.8 / **1.39**	7.2 / **1.48**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
90	**3.5**	100	**4**	150	**6**	150	**6**	250	**10**

Belth Width mm	150,0	225,0	300,0	375,0	450,0	525,0	600,0	675,0	750,0	825,0	900,0	975,0	1050,0	1125,0	1200,0	1275,0	1350,0
Belth Width inch	**5.91**	**8.86**	**11.81**	**14.76**	**17.72**	**20.67**	**23.62**	**26.57**	**29.53**	**32.48**	**35.43**	**38.39**	**41.34**	**44.29**	**47.24**	**50.20**	**53.15**
Belth Width mm	1425,0	1500,0	1575,0	1650,0	1725,0												
Belth Width inch	**56.10**	**59.06**	**62.01**	**64.96**	**67.91**												





Product Features and Functional Benefits

- Belt provides optimal open area for drainage and airflow.
- 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 on the belt.

Important Notes

- **Standard belt increments 75 mm.**
- **Non-standard belt increments 18,75 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 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 POM material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.

MD508 FG-RT

Roller Top

Modular Belt Series

- **Bakery Applications**

Oven Infeed/Outfeed, Cooling Lines, Coating Lines, Glazing Lines, Freezing Lines, Conditioning Lines

- **Sea Food Applications**

Breading Machines, Draining Lines

- **Snack Food Applications**

Proofer Lines, Boiler Infeed, Oven Infeed / Outfeed, Cooling Lines

- **Fruits and Vegetables Applications**

Prewashing / Rinsing, Draining

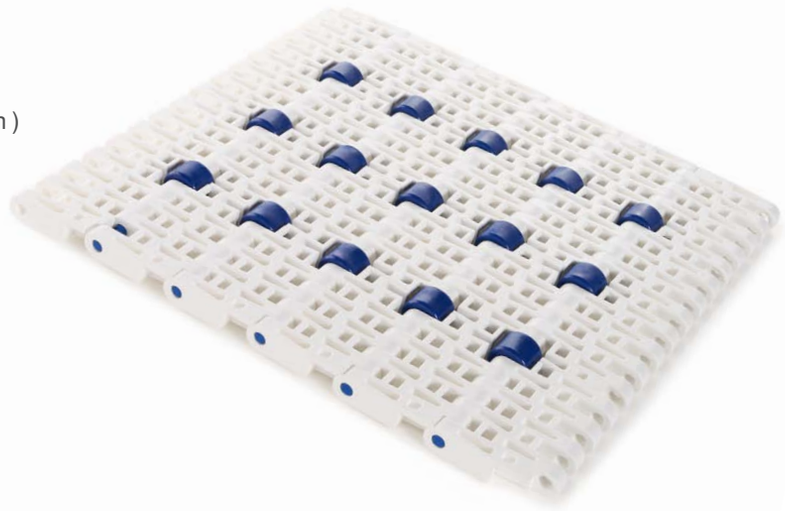
- **Tire Manufacturing Applications**

Mixer Infeed / Outfeed, Extrusion Shower Lines, Cooling Incline, Cooling Decline, Cooling Horizontal

MD508 FG-RT *(Roller Top)*

MODUTECH

Pitch:	50,8 mm / **2 inch**
Belt Surface:	Open, Smooth Surface
Minimum Width:	150 mm / **5.90 inch**
Open Area (%):	34%. (Biggest opening 6 x 19,8 mm)
Flight:	Yes
Sidewall:	No
Pin:	Ø7 mm / **0.275 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Good
Belt Thickness:	16 mm / **0.629 inch**

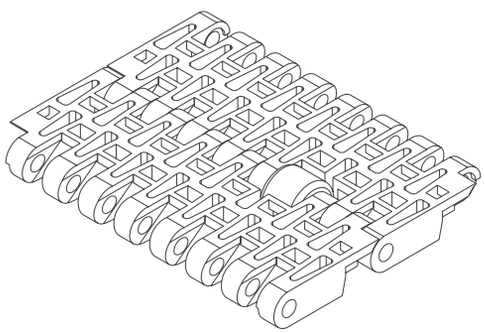


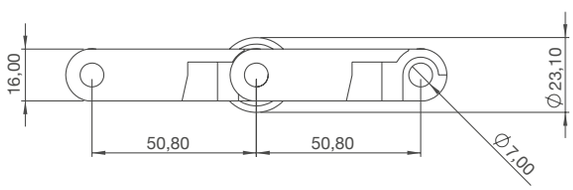
MD508 FG-RT Technical Information

Belt Material		**POM**	**POM**	**PP**	**PP**
Roller Material		**POM**			
Pin Material		**PA**	**POM**	**PP**	**POM**
Belt Strength	N/m | **lb/ft**	22000 - **1507**	22000 - **1507**	19000 - **1300**	19000 - **1300**
Temperature	℃ **°F**	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +200**
Belt Weight	kg/m² | **lb/sqft²**	10.2 / **2.09**	10.2 / **2.09**	6.8 / **1.39**	6.8 / **1.39**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
90	**3.5**	100	**4**	150	**6**	150	**6**	250	**10**

Belth Width mm	150,0	225,0	300,0	375,0	450,0	525,0	600,0	675,0	750,0	825,0	900,0	975,0	1050,0	1125,0	1200,0	1275,0	1350,0
Belth Width inch	**5.91**	**8.86**	**11.81**	**14.76**	**17.72**	**20.67**	**23.62**	**26.57**	**29.53**	**32.48**	**35.43**	**38.39**	**41.34**	**44.29**	**47.24**	**50.20**	**53.15**
Belth Width mm	1425,0	1500,0	1575,0	1650,0	1725,0												
Belth Width inch	**56.10**	**59.06**	**62.01**	**64.96**	**67.91**												





Product Features and Functional Benefits

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- Strong and thick product supports allow more load without breaking.
- Impact resistance to with stand heavy objects falling on the belt.

Important Notes

- **Standard belt increments 75 mm.**
- **Non-standard belt increments 18,75 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- For PP material up to 750 mm (30") -3 mm to 0 mm and 0.4% to 0% for wider belts.

MD508 PR25%

Heavy Duty Food Belts

Modular Belt Series

- **Meat Applications**

Dressing Lines, Trim Lines, Elevator, Metal Detector

- **Poultry Applications**

Cut-up Lines, Debonning Lines, Chiller Discharge, Rehang / Bird Accumulation, Freezing Lines, Elevators

- **Sea Food Applications**

Draining, Elevator

- **Snack Food Applications**

Can Draining

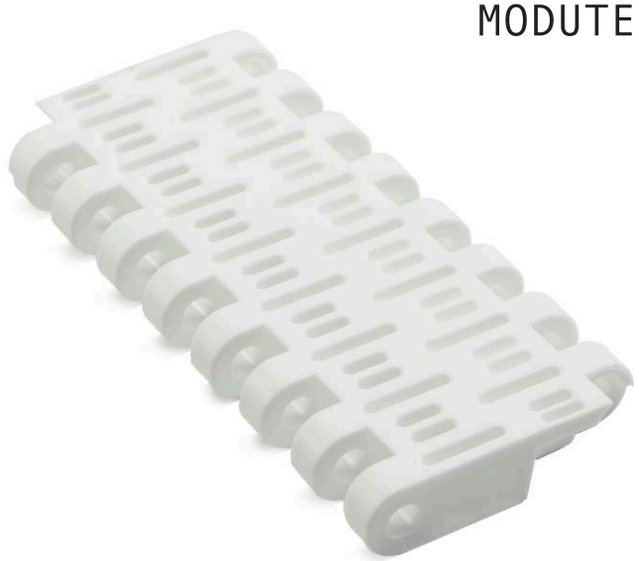
- **Fruits and Vegetables Applications**

Prewashing / Rinsing, Draining, Peeling, Elevator, Blanching

MD508 PR25% *(Heavy Duty Food Belts)*

MODUTECH

Pitch:	50,8 mm / **2 inch**
Belt Surface:	Open, Smooth Surface
Minimum Width:	150 mm / **5.90 inch**
Open Area (%):	25%. (Biggest opening 3 x 19,5 mm)
Flight:	Yes
Sidewall:	No
Pin:	Ø7 mm / **0.275 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White
Cleanability:	Good
Belt Thickness:	16 mm / **0.629 inch**

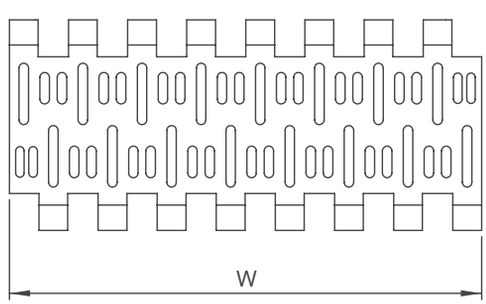


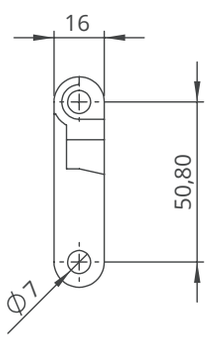
MD508 PR25% Technical Information

Belt Material		**POM**	**POM**	**POM**	**PP**	**PP**	**PE**
Pin Material		**PA**	**POM**	**PP**	**PP**	**POM**	**POM**
Belt Strength	N/m | **lb/ft**	35000 - **2397**	35000 - **2397**	35000 - **2397**	30000- **2055**	30000- **2055**	20000 - **1370**
Temperature	°C °F	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	+5 / +93 **+40 / +200**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +200**	-40 / +65 **-40 / +150**
Belt Weight	kg/m² | **lb/sqft²**	10.2 / **2.09**	10.2 / **2.09**	8.4 / **1.72**	8.4 / **1.72**	8.4 / **1.72**	8.8 / **1.80**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
90	**3.5**	100	**4**	150	**6**	150	**6**	250	**10**

Belth Width mm	150,0	225,0	300,0	375,0	450,0	525,0	600,0	675,0	750,0	825,0	900,0	975,0	1050,0	1125,0	1200,0	1275,0	1350,0
Belth Width inch	**5.91**	**8.86**	**11.81**	**14.76**	**17.72**	**20.67**	**23.62**	**26.57**	**29.53**	**32.48**	**35.43**	**38.39**	**41.34**	**44.29**	**47.24**	**50.20**	**53.15**
Belth Width mm	1425,0	1500,0	1575,0	1650,0	1725,0												
Belth Width inch	**56.10**	**59.06**	**62.01**	**64.96**	**67.91**												





Product Features and Functional Benefits

- Belt provides optimal open area for drainage and airflow.
- 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 on the belt.

Important Notes

- **Standard belt increments 75 mm.**
- **Non-standard belt increments 18,75 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- For PP material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.

MD508 NS

Modular Belt Series

- **Corrugated Cardbord Applications**

Down Stackers, Corrugator Take Off, Strap Feed

- **Lumber Industry**

Lumber Transport, Cutting Process

- **Snack Food Applications**

Potato Processing

- **Fruits and Vegetables Applications**

Bulk Feeding, Elevator, Control Sorting Table, Filling

- **Automotive Applications**

Car Assembly Lines, Car-Wash Applications

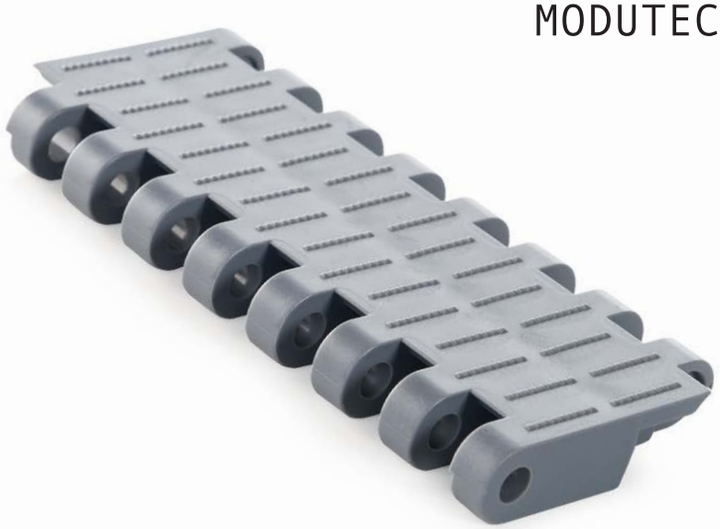
- **Packaging Applications**

Bluk Inclines, Box Transport Horizontal

MD508 NS

MODUTECH

Pitch:	50,8 mm / **2 inch**
Belt Surface:	Close, Non Slip Surface
Minimum Width:	150 mm / **5.90 inch**
Open Area (%):	0%.
Flight:	Yes
Sidewall:	No
Pin:	Ø7 mm / **0.275 inch** - Self Lock
Approved:	FDA and EU
Color:	Gray
Cleanability:	Good
Belt Thickness:	16,9 mm / **0.66 inch**

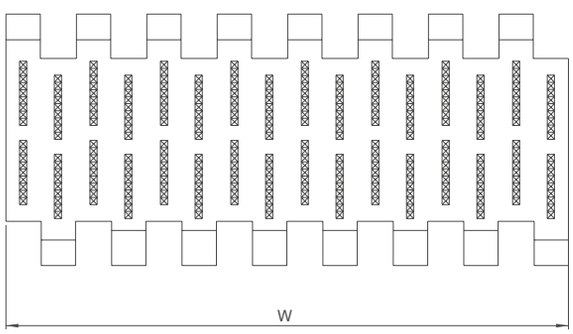


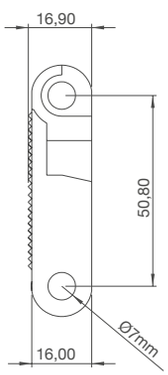
MD508 NS Technical Information

Belt Material		POM	POM	POM
Pin Material		**PA**	**POM**	**PP**
Belt Strength	N/m | **lb/ft**	56000 - **3836**	56000 - **3836**	33000 - **2261**
Temperature	°C °F	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	+5 / +93 **+40 / +200**
Belt Weight	kg/m² | **lb/sqft²**	13.8 / **2.83**	13.8 / **2.83**	13.8 / **2.83**

Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter for gravity take up center drive rollers (min.)		Backbending radius for elevators without side guards or hold down devices (min.)		Backbending radius for elevators with side guards or hold down devices (min.)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
90	**3.5**	100	**4**	150	**6**	150	**6**	250	**10**

Belth Width mm	150,0	225,0	300,0	375,0	450,0	525,0	600,0	675,0	750,0	825,0	900,0	975,0	1050,0	1125,0	1200,0	1275,0	1350,0
Belth Width inch	**5.91**	**8.86**	**11.81**	**14.76**	**17.72**	**20.67**	**23.62**	**26.57**	**29.53**	**32.48**	**35.43**	**38.39**	**41.34**	**44.29**	**47.24**	**50.20**	**53.15**
Belth Width mm	1425,0	1500,0	1575,0	1650,0	1725,0												
Belth Width inch	**56.10**	**59.06**	**62.01**	**64.96**	**67.91**												





Product Features and Functional Benefits

- Unique non-slip bottom surface designed for more friction.
- Reinforced bottom surface - higher product load and longer conveyors.
- Strong and thick product supports allow more load without breaking.
- Unique sprocket engagement reduces pulsation and increases load capacity.
- Impact resistance to with stand heavy objects falling into the belt.

Important Notes

- **Standard belt increments 75 mm.**
- **Non-standard belt increments 18,75 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- Up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.

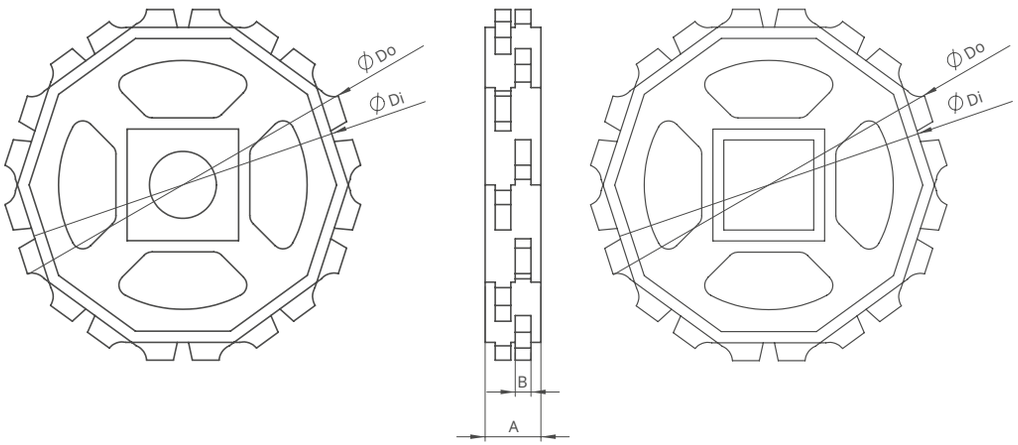
MD508 Series

Sprockets and Technical Specifications

Z8

Z10

Z12



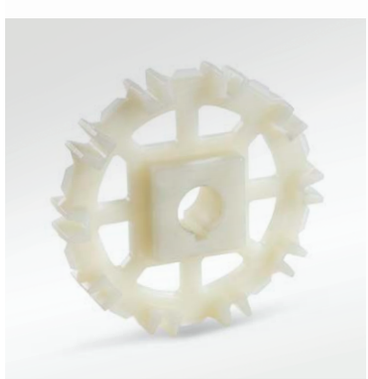
MD508 Series / Moulded Sprockets Dimensions

NO.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	107,4 / **4.23**	127,3 / **5.01**	7,0 / **0.27**	40,0 / **1.57**	40	**1.5**	25-30	**1-1.25**	MD508SQZ8*POM	MD508SRZ8*POM
Z10	141,3 / **5.56**	160,1 / **6.30**	7,0 / **0.27**	40,0 / **1.57**	40	**1.5**	25-30	**1-1.25**	MD508SQZ10*POM	MD508SRZ10*POM
Z12	174,7 / **6.87**	193,2 / **7.61**	7,0 / **0.27**	40,0 / **1.57**	40	**1.5**	25-30	**1-1.25**	MD508SQZ12*POM	MD508SRZ12*POM
Z16	240,9 / **9.48**	258,7 / **10.18**	7,0 / **0.27**	40,0 / **1.57**	60-90	**-**	-	**-**	MD508SQZ16*POM	MD508SRZ16*POM

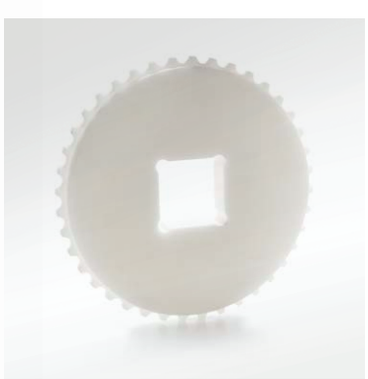
*Other sprockets and hub sizes are manufactured up to request.
*PA (Polyamide) and PP (Polypropylene) sprockets raw material is available on request.
***Machined Split Sprockets are avaliable for each size.**

Clamp

Machined Split Sprocket



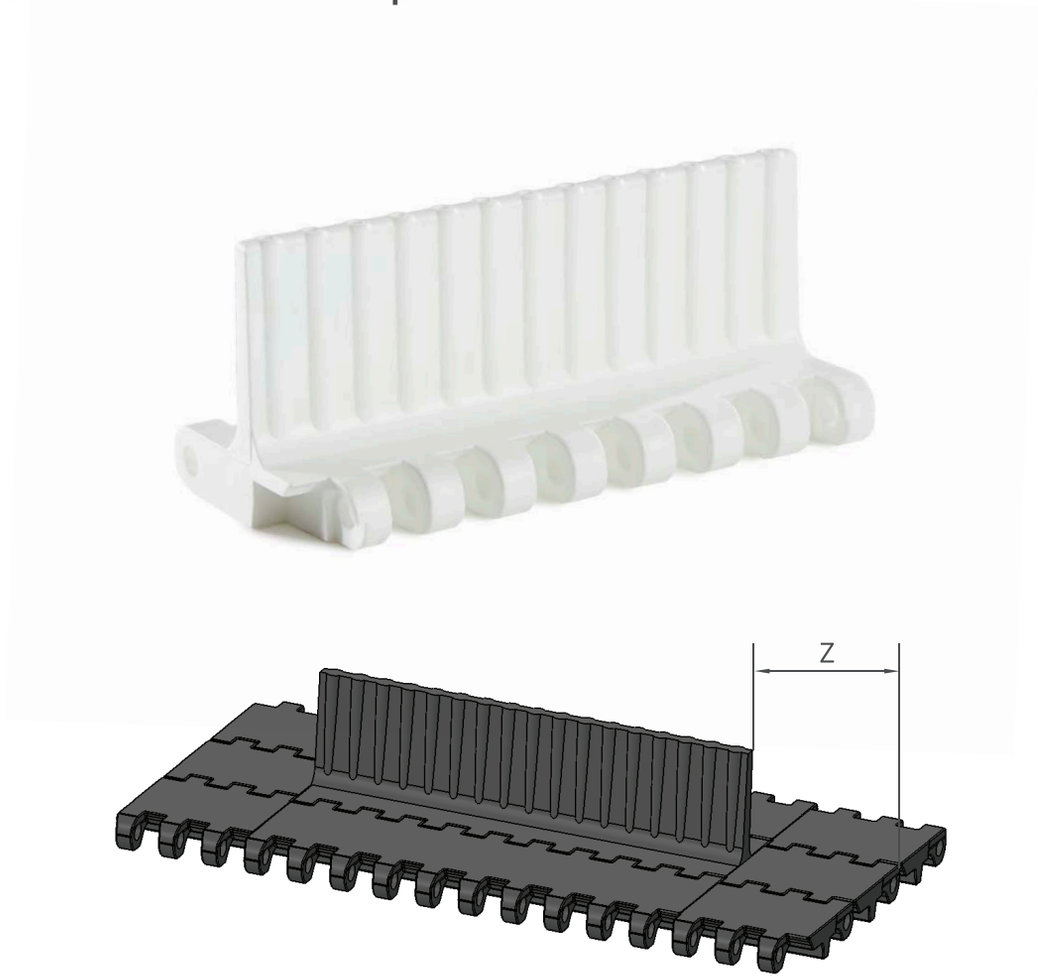
Moulded Sprocket



Machined Sprocket

MD508 Series
Accessories and Technical Specifications

MODUTECH



MD508 Series / Flight Dimensions

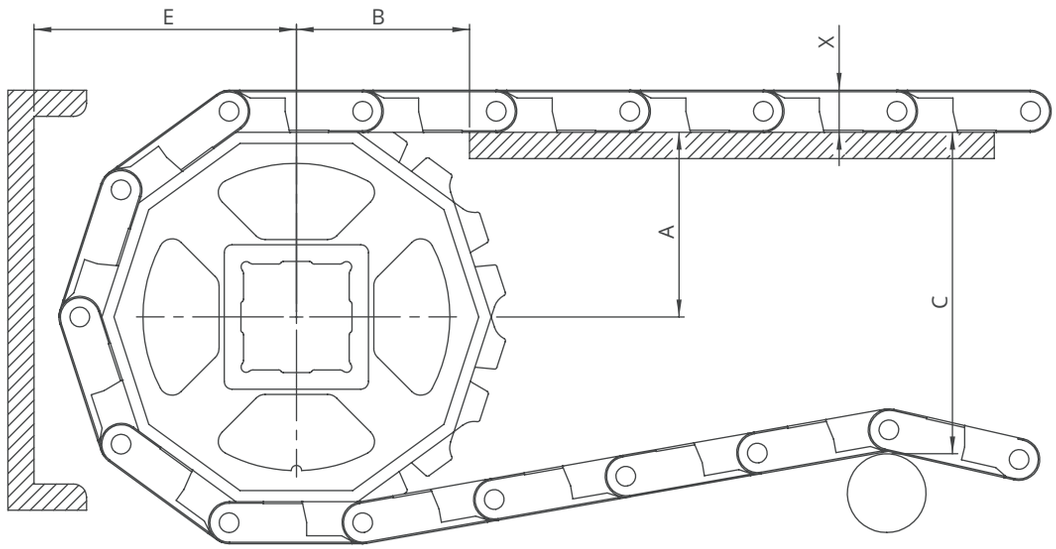
MD508 Series / Flights		
PRODUCT CODE	Flight Height (mm/**inch**)	Flight Width (mm/**inch**)
MD508T50	50 / **2**	150 / **5.90**
MD508T100	100 / **4**	150 / **5.90**
MD508T150	150 / **6**	150 / **5.90**

MD508 Series / Flight Technical Specifications

Possible Flight Indents for MD508 Series	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 flight indent is on request.**

MD508 Series
Engineering Information

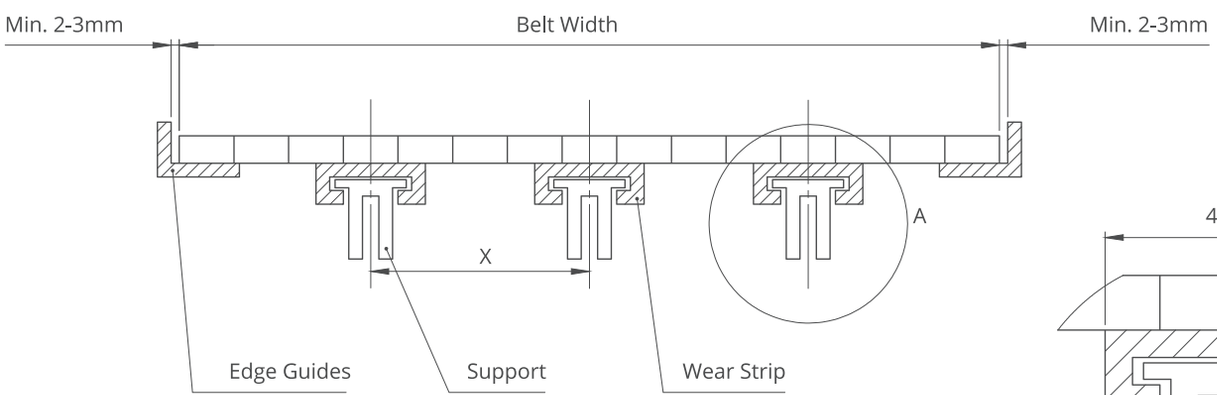


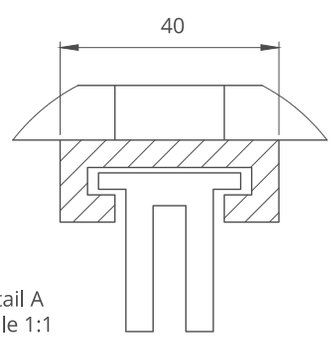
A - ± 0,031" (1mm)
B - ± 0,125" (3mm)
C - ± (Max.)
E - ± (Min.)

MD508 Series / Conveyor Frame Dimensions

Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)									
inch	mm		inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
MD508 C, MD508 PR25%, MD508 FG												
4.65	118,0	8	**2.46**	62,5	**2.94**	74,8	**3.79**	96,2	**3.48**	88,5	**0.63**	16,0
5.94	151,0	10	**3.09**	78,4	**3.57**	90,7	**5.06**	128,5	**4.11**	104,4	**0.63**	16,0
7.32	186,0	12	**3.76**	95,5	**4.20**	106,7	**6.33**	160,9	**4.78**	121,5	**0.63**	16,0
10.28	261,0	16	**5.06**	128,5	**4.82**	122,5	**8.76**	222,5	**6.08**	154,5	**0.63**	16,0
MD508 C-RT, MD508 FG-RT												
4.65	118,0	8	**2.32**	59,0	**2.94**	74,8	**3.65**	92,7	**3.62**	92,0	**0.90**	23,1
5.94	151,0	10	**2.95**	74,9	**3.57**	90,7	**4.92**	125,0	**4.25**	107,9	**0.90**	23,1
7.32	186,0	12	**3.62**	92,0	**4.20**	106,7	**6.20**	157,4	**4.92**	125,0	**0.90**	23,1
10.28	261,0	16	**4.92**	125,0	**4.82**	122,5	**8.62**	219,0	**6.22**	158,0	**0.90**	23,1
MD508 NS												
4.65	118,0	8	**2.46**	62,5	**2.94**	74,8	**3.61**	91,7	**3.52**	89,5	**0.67**	16,9
5.94	151,0	10	**3.09**	78,4	**3.57**	90,7	**4.88**	124,0	**4.15**	105,4	**0.67**	16,9
7.32	186,0	12	**3.76**	95,5	**4.20**	106,7	**6.16**	156,4	**4.82**	122,5	**0.67**	16,9
10.28	261,0	16	**5.06**	128,5	**4.82**	122,5	**8.58**	218,0	**6.12**	155,5	**0.67**	16,9

MD508 Series / Slider Support System For Straight Running Belts

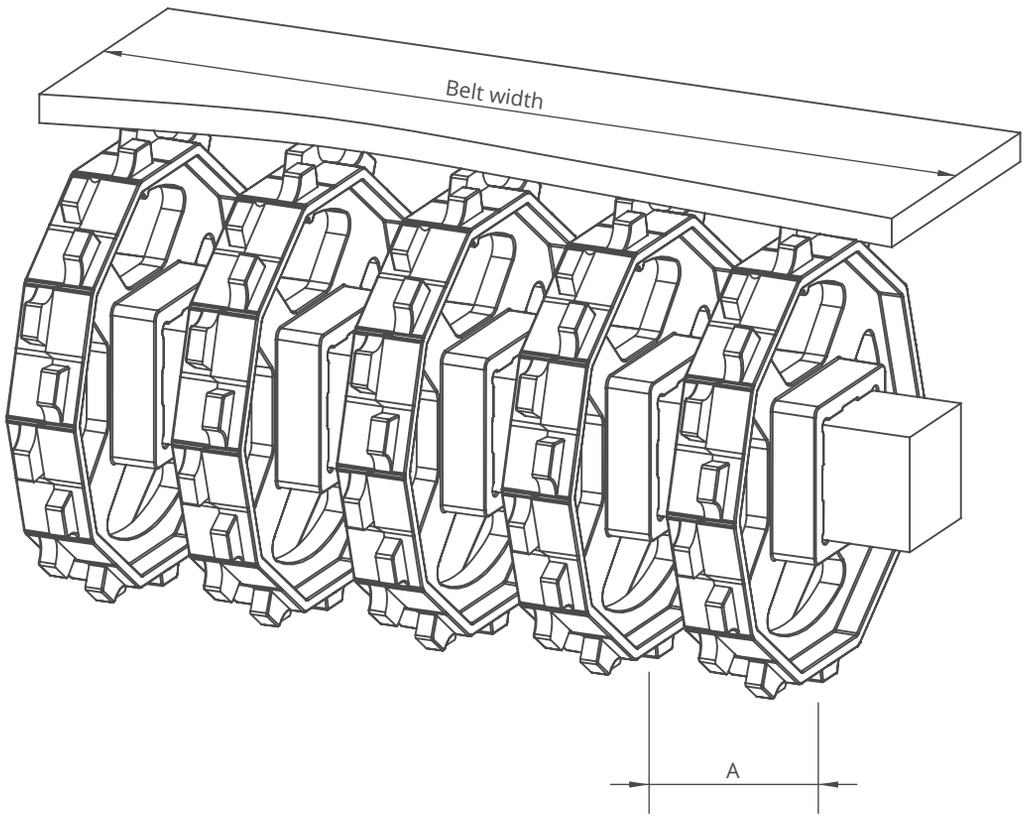




Detail A
Scale 1:1

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

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



MD508 Series / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/**inch**)	
mm	**inch**	Drive Shaft	Return Shaft	Min.	Max.
150,0	**5.90**	2	2	60/**2.36**	150/**5.9**
225,0	**8.86**	3	2	60/**2.36**	150/**5.9**
300,0	**11.81**	3	3	60/**2.36**	150/**5.9**
375,0	**14.76**	4	3	60/**2.36**	150/**5.9**
450,0	**17.72**	4	3	60/**2.36**	150/**5.9**
525,0	**20.67**	5	4	60/**2.36**	150/**5.9**
600,0	**23.62**	5	4	60/**2.36**	150/**5.9**
675,0	**26.57**	6	5	60/**2.36**	150/**5.9**
750,0	**29.53**	6	5	60/**2.36**	150/**5.9**
825,0	**32.48**	6	5	60/**2.36**	150/**5.9**
900,0	**35.43**	7	6	60/**2.36**	150/**5.9**
975,0	**38.39**	8	7	60/**2.36**	150/**5.9**
1050,0	**41.34**	9	7	60/**2.36**	150/**5.9**
1125,0	**44.29**	10	8	60/**2.36**	150/**5.9**
1200,0	**47.24**	11	8	60/**2.36**	150/**5.9**
1275,0	**50.20**	12	9	60/**2.36**	150/**5.9**
1350,0	**53.15**	13	10	60/**2.36**	150/**5.9**
1425,0	**56.10**	14	10	60/**2.36**	150/**5.9**
1500,0	**59.06**	15	11	60/**2.36**	150/**5.9**
1575,0	**62.00**	16	12	60/**2.36**	150/**5.9**

Note: Number of sprockets depends on the belt load.

MODUTECH®

HP508

Modular Belt Series

HP508 RR
HP508 FG
HP508 C
Sprockets & Accessories
Engineering Information

www.modutech.com.tr

FDA


Bezelye Konservesi
İçindekiler: Bezelye, su, tuz ve asitlik düzenleyici (sitrik asit).
Net Ağırlık: 830g
8 690635 060788

HP508 RR

Modular Belt Series

- **Snack Foods Applications**

Cooling Line

- **Fruits and Vegetables Applications**

Palletizing - Epalletizing, Sterilization Conveyance

- **Automotive Applications**

Batery Filling

- **Tire Manufacturing Applications**

Dip Tank

- **Packaging Applications**

Accumulation, Palletizing - Depalletizing

- **Textile Applications**

Dyeing

- **Beverages and Bottling Applications**

Glass Palletizing - Depalletizing, Pasteurizers - Warmers, Accumulation Tables

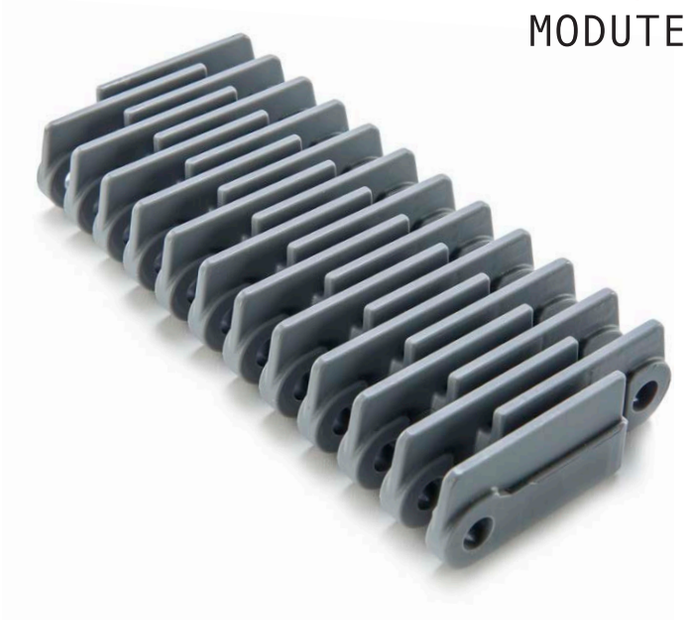
- **Can Manufacturing Applications**

Accumulation Tables, Palletizing / Depalletizing

HP508 RR

MODUTECH

Pitch:	50,8 mm / **2 inch**
Belt Surface:	Open, Raised Rib Surface
Minimum Width:	152,4 mm / **6 inch**
Open Area (%):	36%. (Biggest opening 3,5 x 18,5 mm)
Flight:	No
Sidewall:	No
Pin:	Ø7 mm / **0.275 inch** - Self Lock
Approved:	FDA and EU
Color:	Gray
Cleanability:	Good
Belt Thickness:	24 mm / **0.945 inch**

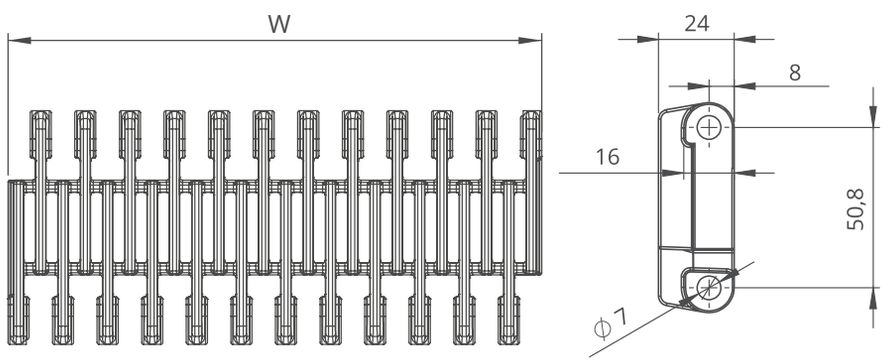


HP508 RR Technical Information

Belt Material		**POM**	**PPH**
Pin Material		**POM**	**PPH**
Belt Strength	N/m | **lb/ft**	45500 - **3117**	34200 - **2343**
Temperature	°C °F	-40 / +93 **-40 / +200**	+5 / +118 **-40 / +244**
Belt Weight	kg/m² | **lb/sqft²**	13.5 / **2.77**	8.9 / **1.82**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
90	**3.5**	100	**4**	150	**6**	150	**6**	-	**-**

Belth Width mm	152,4	228,6	304,8	381,0	457,2	533,4	609,6	685,8	762,0	838,2	914,4	990,6	1066,8	1143,0	1219,2	1295,4	1371,6
Belth Width inch	**6.00**	**9.00**	**12.00**	**15.00**	**18.00**	**21.00**	**24.00**	**27.00**	**30.00**	**33.00**	**36.00**	**39.00**	**42.00**	**45.00**	**48.00**	**51.00**	**54.00**
Belth Width mm	1447,8	1524,0	1600,2	1676,4													
Belth Width inch	**57.00**	**60.00**	**63.00**	**66.00**													



Product Features and Functional Benefits

- Less friction and product contact for easy cooking, cooling and freezing of products.
- Reduces back line pressure with up to 70%.
- Reduced dirt and oxide build up due to self cleaning surface.
- Finger plate for trouble free transfer.
- Unique sprocket engagement reduces pulsation and increases load capacity.

Important Notes

- **Standard belt increments 76,2 mm.**
- **Non-standard belt increments 38,1 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- For PPH material up to 750 mm (30") -2 mm to 1 mm and -0.25% to 0.25% for wider belts.

HP508 FG

Battery Belt

Modular Belt Series

- **Snack Foods Applications**

Cooling Line

- **Fruits and Vegetables Applications**

Palletizing - Epalletizing, Sterilization Conveyance

- **Automotive Applications**

Batery Filling

- **Tire Manufacturing Applications**

Dip Tank

- **Packaging Applications**

Accumulation, Palletizing - Depalletizing

- **Textile Applications**

Dyeing

- **Beverages and Bottling Applications**

Glass Palletizing - Depalletizing, Pasteurizers - Warmers, Accumulation Tables

- **Can Manufacturing Applications**

Accumulation Tables, Palletizing / Depalletizing

HP508 FG *(Battery Belt)*

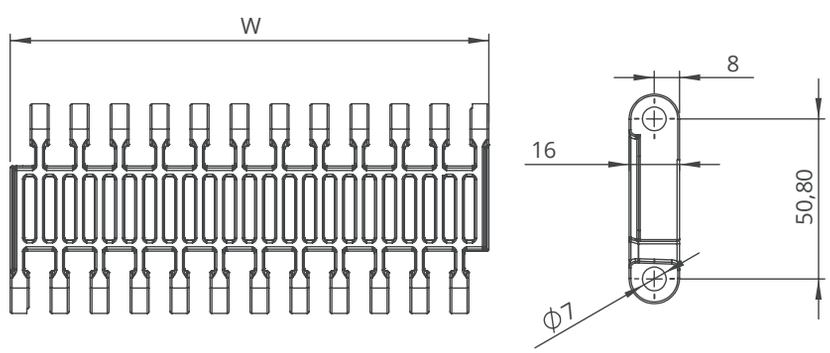
Pitch:	50,8 mm / **2 inch**
Belt Surface:	Open, Smooth Surface
Minimum Width:	152,4 mm / **6 inch**
Open Area (%):	36%. (Biggest opening 3,5 x 18,5 mm)
Flight:	No
Sidewall:	No
Pin:	Ø7 mm / **0.276 inch** - Self Lock
Approved:	FDA and EU
Color:	White / Gray
Cleanability:	Good
Belt Thickness:	16 mm / **0.630 inch**

HP508 FG Technical Information

Belt Material		**PP**
Pin Material		**PP**
Belt Strength	N/m | **lb/ft**	25000 - **1713**
Temperature	°C **°F**	+5 / +105 **+40 / +220**
Belt Weight	kg/m² | **lb/sqft²**	7.5 / **1.53**

Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter for gravity take up center drive rollers (min.)		Backbending radius for elevators without side guards or hold down devices (min.)		Backbending radius for elevators with side guards or hold down devices (min.)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
90	**3.5**	100	**4**	150	**6**	150	**6**	-	**-**

Belth Width mm	152,4	228,6	304,8	381,0	457,2	533,4	609,6	685,8	762,0	838,2	914,4	990,6	1066,8	1143,0	1219,2	1295,4	1371,6
Belth Width inch	**6.00**	**9.00**	**12.00**	**15.00**	**18.00**	**21.00**	**24.00**	**27.00**	**30.00**	**33.00**	**36.00**	**39.00**	**42.00**	**45.00**	**48.00**	**51.00**	**54.00**
Belth Width mm	1447,8	1524,0	1600,2	1676,4													
Belth Width inch	**57.00**	**60.00**	**63.00**	**66.00**													



Product Features and Functional Benefits

- Belt provides optimal open area for drainage and airflow.
- 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 on the belt.

Important Notes

- **Standard belt increments 76,2 mm.**
- **Non-standard belt increments 38,1 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.

HP508 C

Modular Belt Series

- **Snack Food Applications**

Potato Processing

- **Fruits and Vegetables Applications**

Bulk Feeding, Elevator, Control Sorting Table, Filling

- **Automotive Applications**

Chair Lift - Feader

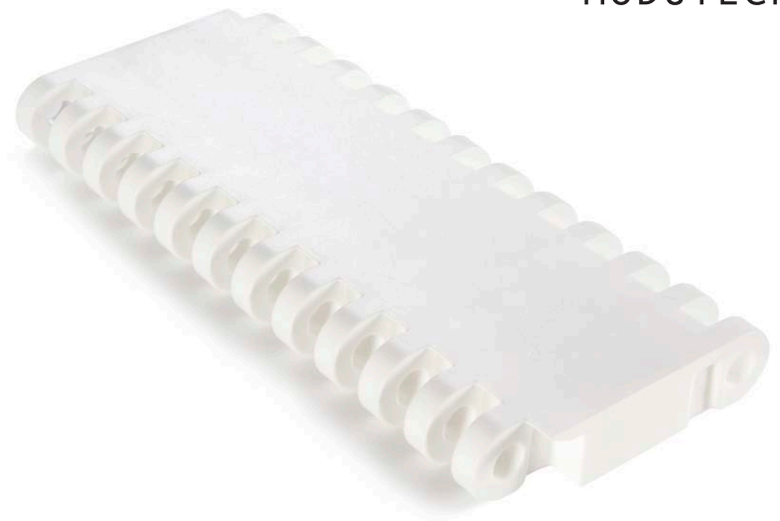
- **Packaging Applications**

Bluk Inclines, Box Transport Horizontal

HP508 C

MODUTECH

Pitch:	50,8 mm / **2 inch**
Belt Surface:	Close, Smooth Surface
Minimum Width:	152,4 mm / **6 inch**
Open Area (%):	0%
Flight:	No
Sidewall:	No
Pin:	Ø7 mm / **0.275 inch** - Self Lock
Approved:	FDA and EU
Color:	Blue / White
Cleanability:	Good
Belt Thickness:	16 mm / **0.629 inch**

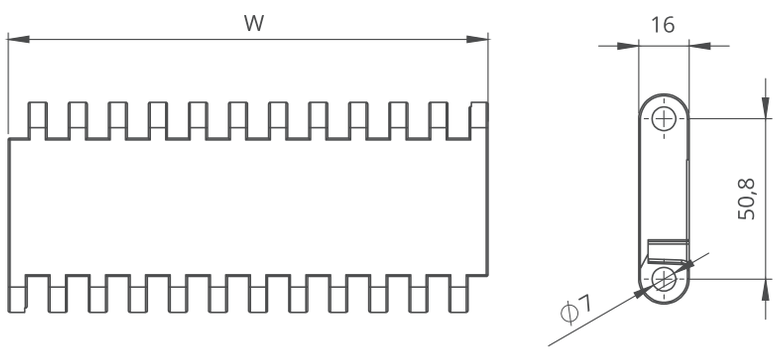


HP508 C Technical Information

Belt Material		POM	POM	PP	PP
Pin Material		**PA**	**POM**	**PP**	**POM**
Belt Strength	N/m | **lb/ft**	40000 - **2770**	40000 - **2770**	30000 - **2055**	30000 - **2055**
Temperature	°C **°F**	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +200**
Belt Weight	kg/m² | **lb/sqft²**	12.2 / **2.5**	12.2 / **2.5**	7.8 / **1.60**	7.8 / **1.60**

Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter for gravity take up center drive rollers (min.)		Backbending radius for elevators without side guards or hold down devices (min.)		Backbending radius for elevators with side guards or hold down devices (min.)	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
90	**3.5**	100	**4**	150	**6**	150	**6**	-	**-**

Belth Width mm	152,4	228,6	304,8	381,0	457,2	533,4	609,6	685,8	762,0	838,2	914,4	990,6	1066,8	1143,0	1219,2	1295,4	1371,6
Belth Width inch	**6.00**	**9.00**	**12.00**	**15.00**	**18.00**	**21.00**	**24.00**	**27.00**	**30.00**	**33.00**	**36.00**	**39.00**	**42.00**	**45.00**	**48.00**	**51.00**	**54.00**
Belth Width mm	1447,8	1524,0	1600,2	1676,4													
Belth Width inch	**57.00**	**60.00**	**63.00**	**66.00**													



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 withstand heavy objects falling into the belt.
- Close transfer applications.

Important Notes

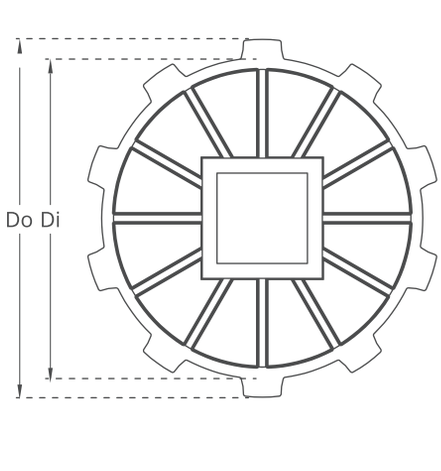
- **Standard belt increments 76,2 mm.**
- **Non-standard belt increments 38,1 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- For PP material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.
- For POM material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.

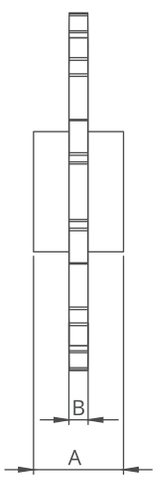
HP508 Series

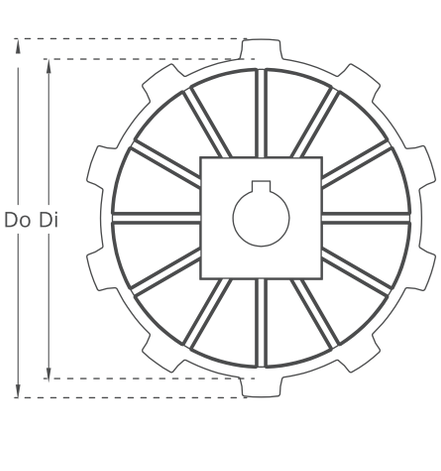
Accessories and Technical Specifications

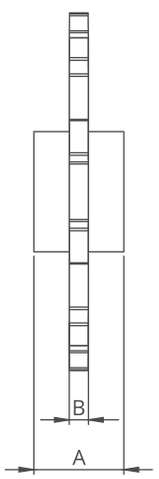
Z8

Z10









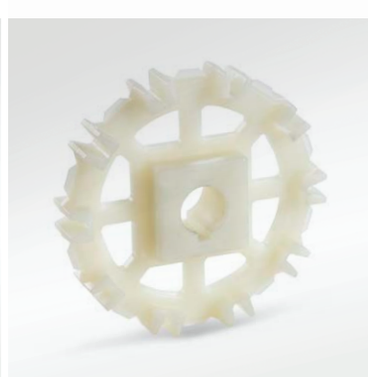
HP508 Series / Moulded Sprockets Dimensions

NO.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	107,25 / **4.22**	124,5 / **4.89**	8,5 / **0.33**	40,0 / **1.57**	40	-	-	-	HP508SQZ8*PA	HP508SRZ8*PA
Z10	142,8 / **5.62**	159,0 / **6.25**	8,5 / **0.33**	40,0 / **1.57**	40	-	-	-	HP508SQZ10*PA	HP508SRZ10*PA
Z16	242,7 / **9.55**	261,2 / **10.32**	8,5 / **0.33**	40,0 / **1.57**	60-90	-	-	-	HP508SQZ16*PA	-

*Other sprockets and hub sizes are manufactured up to request.
*POM (Acetal) and PP (Polypropylene) sprockets raw material is available on request.
***Machined Split Sprockets are avaliable for each size.**

Clamp

Machined Split Sprocket



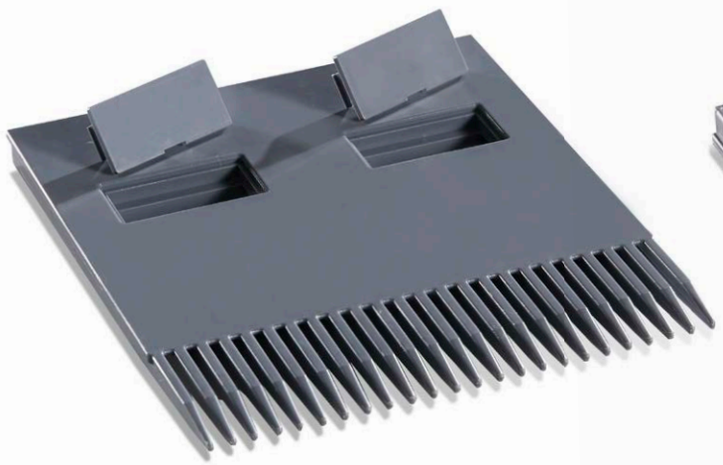
Moulded Sprocket

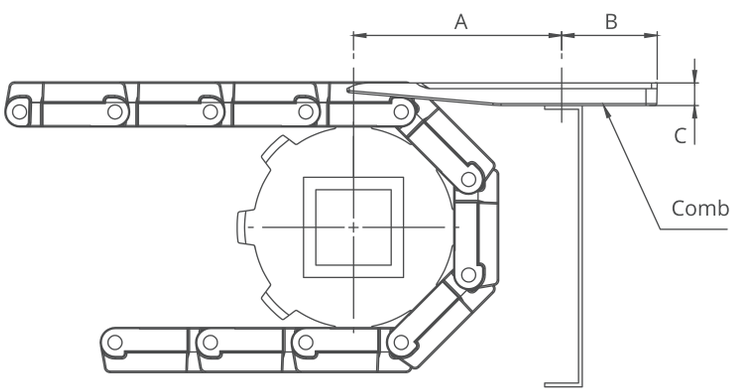
Machined Sprocket

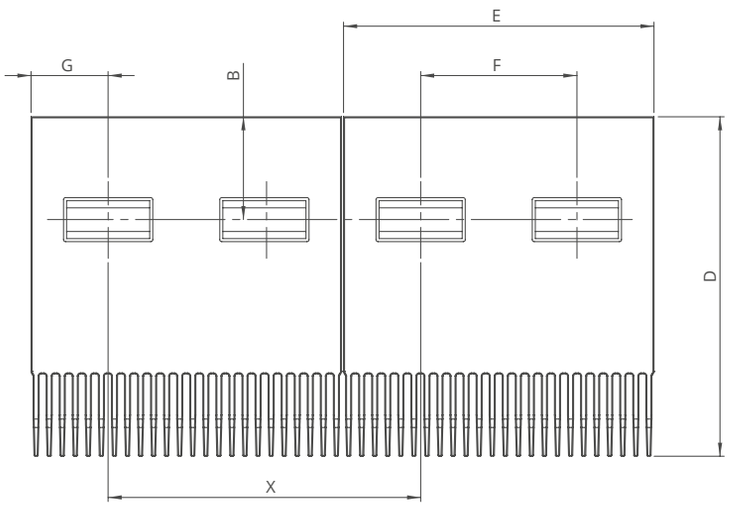
HP508 Series

Accessories and Technical Specifications

MODUTECH





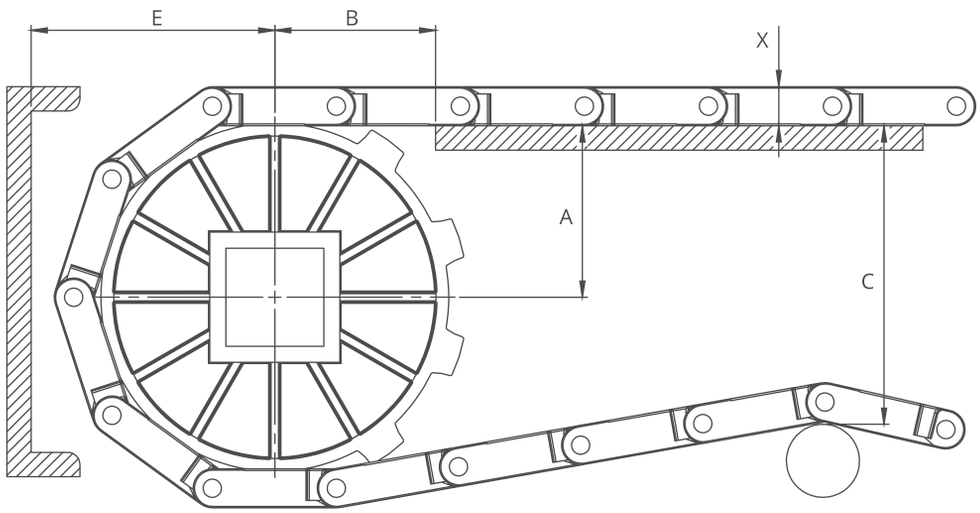


HP508 Series / Comb Technical Specifications

	inch	mm
A	3.94	100,0
B	1.97	50,0
C	0.47	12,0
D	6.50	165,0
E	5.94	151,0
F	2.99	76,0
G	1.48	37,5
X	5.98	152,0

HP508 Series
Engineering Information

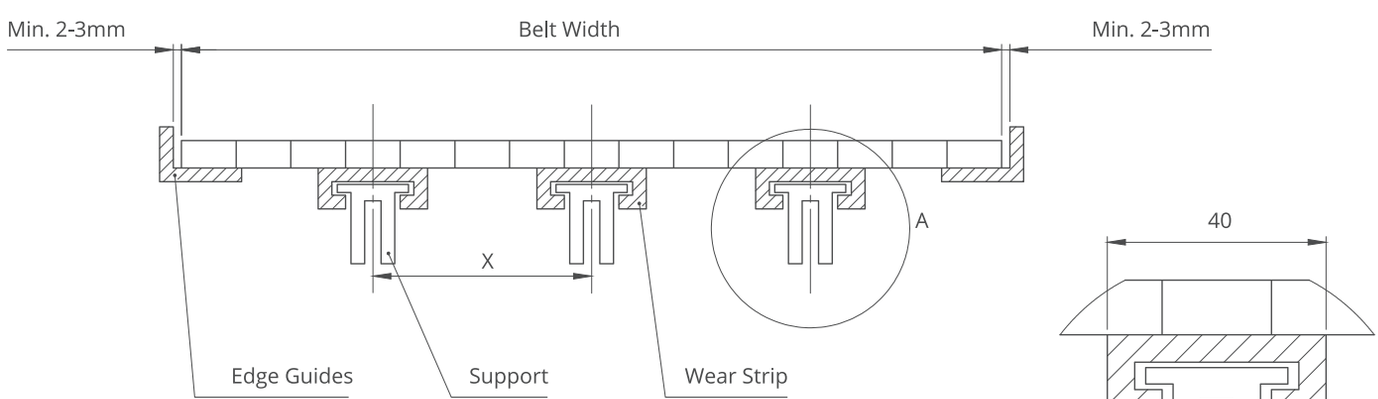
A - ± 0,031" (1mm)
B - ± 0,125" (3mm)
C - ± (Max.)
E - ± (Min.)



HP508 Series / Conveyor Frame Dimensions

Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)									
inch	mm		inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
HP508 C, HP508 FG												
4.57	116,0	8	**2.29**	58,25	**2.28**	58,0	**3.46**	88,0	**3.32**	84,25	**0.63**	16,0
5.98	152,0	10	**2.93**	74,5	**2.60**	66,0	**4.80**	122,0	**3.96**	100,5	**0.63**	16,0
9.96	253,0	16	**4.90**	124,5	**4.41**	112,0	**8.70**	221,0	**6.00**	152,5	**0.63**	16,0
HP508 RR												
4.57	116,0	8	**2.29**	58,25	**2.28**	58,0	**3.78**	96,0	**3.63**	92,25	**0.94**	24,0
5.98	152,0	10	**2.93**	74,5	**2.60**	66,0	**5.12**	130,0	**4.27**	108,5	**0.94**	24,0
9.96	253,0	16	**4.90**	124,5	**4.41**	112,0	**9.02**	229,0	**6.32**	160,5	**0.94**	24,0

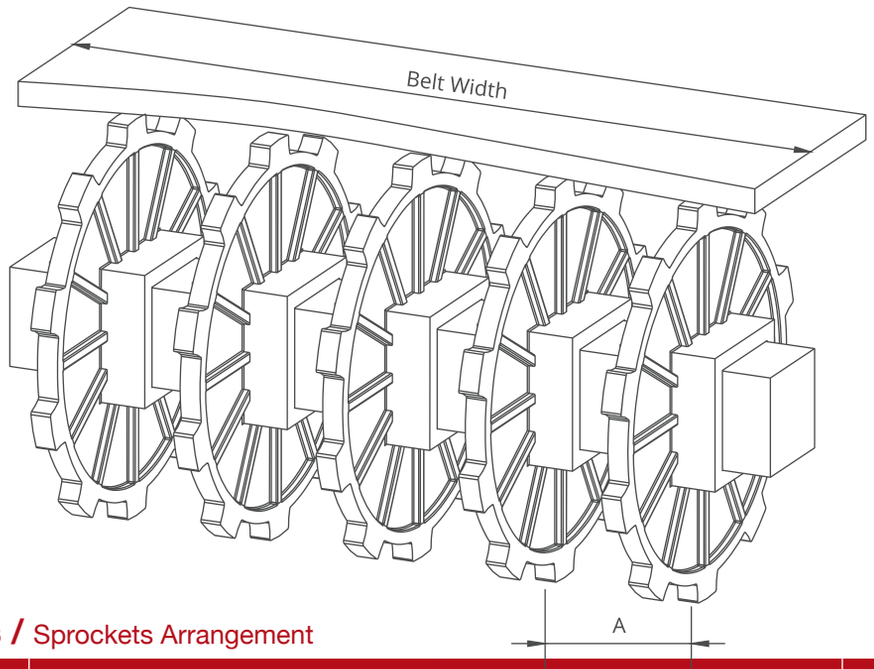
HP508 Series / Slider Support System For Straight Running Belts



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



HP508 Series / 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**	150/**5.9**
228,6	**9.0**	2	2	60/**2.36**	150/**5.9**
304,8	**12.0**	3	2	60/**2.36**	150/**5.9**
381,0	**15.0**	3	3	60/**2.36**	150/**5.9**
457,2	**18.0**	3	3	60/**2.36**	150/**5.9**
533,4	**21.0**	4	3	60/**2.36**	150/**5.9**
609,6	**24.0**	4	3	60/**2.36**	150/**5.9**
685,8	**27.0**	5	3	60/**2.36**	150/**5.9**
762,0	**30.0**	5	4	60/**2.36**	150/**5.9**
838,2	**33.0**	6	4	60/**2.36**	150/**5.9**
914,4	**36.0**	6	4	60/**2.36**	150/**5.9**
990,6	**39.0**	6	4	60/**2.36**	150/**5.9**
1066,8	**42.0**	7	5	60/**2.36**	150/**5.9**
1143,0	**45.0**	7	5	60/**2.36**	150/**5.9**
1219,2	**48.0**	8	6	60/**2.36**	150/**5.9**
1295,4	**51.0**	8	6	60/**2.36**	150/**5.9**
1371,6	**54.0**	9	6	60/**2.36**	150/**5.9**
1447,8	**57.0**	9	7	60/**2.36**	150/**5.9**
1524,0	**60.0**	9	7	60/**2.36**	150/**5.9**
1600,2	**63.0**	10	7	60/**2.36**	150/**5.9**
1676,4	**66.0**	10	8	60/**2.36**	150/**5.9**
1752,6	**69.0**	11	8	60/**2.36**	150/**5.9**
1828,8	**72.0**	12	9	60/**2.36**	150/**5.9**
1905,0	**75.0**	12	9	60/**2.36**	150/**5.9**
1981,2	**78.0**	12	9	60/**2.36**	150/**5.9**
2057,4	**81.0**	13	10	60/**2.36**	150/**5.9**
2133,6	**84.0**	14	10	60/**2.36**	150/**5.9**
2209,8	**87.0**	14	10	60/**2.36**	150/**5.9**
2286,0	**90.0**	15	11	60/**2.36**	150/**5.9**
2514,6	**99.0**	15	11	60/**2.36**	150/**5.9**
2743,2	**108.0**	16	12	60/**2.36**	150/**5.9**
2971,8	**117.0**	17	13	60/**2.36**	150/**5.9**
3200,4	**126.0**	18	14	60/**2.36**	150/**5.9**
3429,0	**135.0**	19	15	60/**2.36**	150/**5.9**
3657,6	**144.0**	20	16	60/**2.36**	150/**5.9**
3810,0	**150.0**	21	17	60/**2.36**	150/**5.9**

Note: Number of sprockets depends on the belt load.

MODUTECH®

1" Radius Belts

Modular Belt Series

EC254 R
EC254 R-GT / Friction Top
EC254T R
Sprockets & Accessories
Engineering Information
Radius Belt Calculation

FDA

www.modutech.com.tr

EC254 R

Modular Radius Belt Series

- **Meat Applications**

Spiral Freezer

- **Poultry Applications**

Spiral Freezer

- **Seafood Applications**

Freezing Lines, Spiral

- **Bakery Applications**

Spiral, Proofing, Cooling, Freezing Lines, Pan Handling

- **Fruits and Vegetables Applications**

Container Conveyence

- **Automotive Applications**

Car Part Manufacturing, Battery Filling

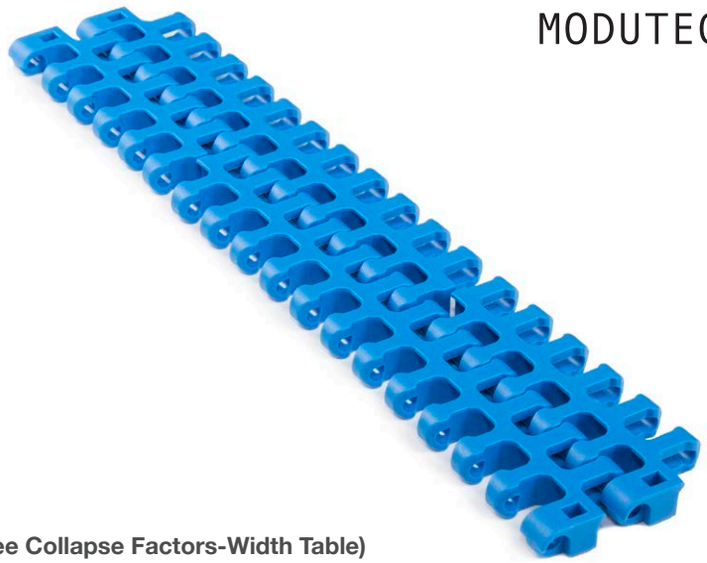
- **Packaging Applications**

Tray Packers, Box Transport Horizontal

EC254 R

MODUTECH

Pitch:	25,8 mm / **1 inch**
Belt Surface:	Open, Smooth Surface
Minimum Width:	100 mm / **3.94 inch**
Open Area (%):	36%. (Biggest opening 7,5 x 12 mm)
Flight:	Yes
Sidewall:	Yes
Pin:	Ø5 mm / **0.197 inch** - Self Lock
Approved:	FDA and EU
Curve:	Yes
Color:	Blue / White / Gray
Cleanability:	Excellent
Application:	Straight and side flexing
Collapse Factor:	2.1 - 2.4 **(Please check page 197 to see Collapse Factors-Width Table)**
Belt Thickness:	11 mm / **0.433 inch**

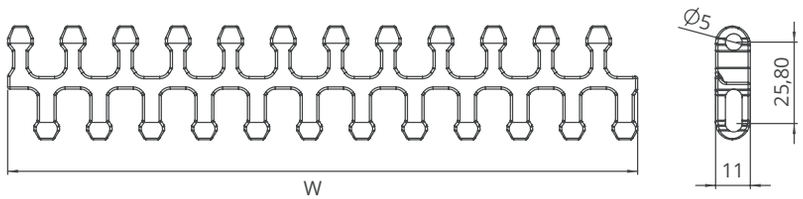


EC254 R Technical Information

Belt Material		**POM**	**POM**	**PP**	**PP**
Pin Material		**PA**	**POM**	**PA**	**POM**
Belt Strength (Straight)	N/m | **lb/ft**	27000 - **1850**	27000 - **1850**	19000 - **1300**	19000 - **1300**
Belt Strength (Curve)	N/m | **lb/ft**	1500 - **338**	1500 - **338**	1000 - **225**	1000 - **225**
Temperature	°C **°F**	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +200**
Belt Weight	kg/m² | **lb/sqft²**	7.0 / **1.44**	7.0 / **1.44**	4.7 / **0.96**	4.7 / **0.96**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
50	**2**	50	**2**	100	**4**	150	**6**	250	**10**

Belth Width mm	200,0	250,0	300,0	350,0	400,0	450,0	500,0	550,0	600,0	650,0	700,0	750,0	800,0	850,0	900,0	950,0	1000,0
Belth Width inch	**7.87**	**9.84**	**11.81**	**13.78**	**15.75**	**17.72**	**19.69**	**21.65**	**23.62**	**25.59**	**27.56**	**29.53**	**31.50**	**33.46**	**35.43**	**37.40**	**41.34**
Belth Width mm	1050,0	1100,0	1150,0	1200,0													
Belth Width inch	**41.34**	**43.31**	**45.28**	**47.24**													



Product Features and Functional Benefits

- Available for light and medium load capacity.
- 180 degree high speed side flexing applications.
- High temperature and wear resistance.
- Unique locking system.
- Belt provides optimal open area for drainage and airflow.

Important Notes

- Standard belt increments 50 mm.
- Non-standard belt increments 16,6 mm.
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Belt widths bigger than 1200 mm (48") are not recommended. For further information, please contact Modutech Represantatives.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- For PP & POM material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.

EC254 R-GT

Modular Radius Belt Series

- **Meat Applications**

Spiral Freezer

- **Poultry Applications**

Spiral Freezer

- **Seafood Applications**

Freezing Lines, Spiral

- **Bakery Applications**

Spiral, Proofing, Cooling, Freezing Lines, Pan Handling

- **Fruits and Vegetables Applications**

Container Conveyence

- **Automotive Applications**

Car Part Manufacturing, Battery Filling

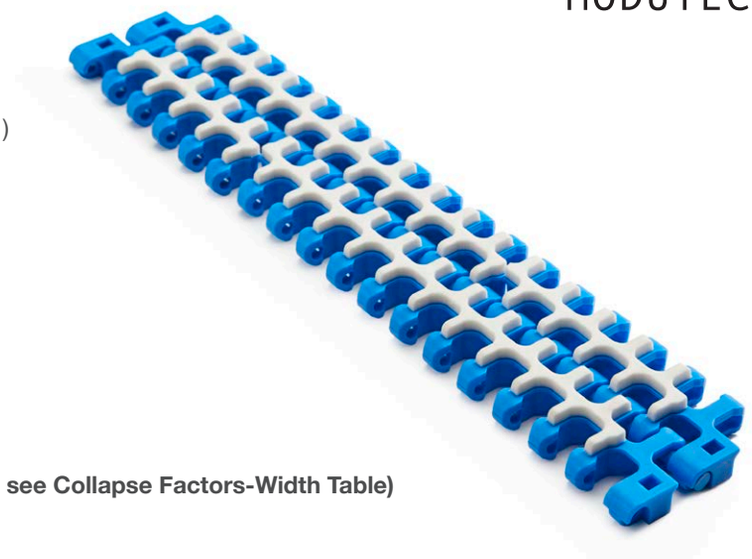
- **Packaging Applications**

Tray Packers, Box Transport Horizontal

EC254 R-GT

MODUTECH

Pitch:	25,8 mm / **1 inch**
Belt Surface:	Open, Friction Top Surface
Minimum Width:	100 mm / **3.94 inch**
Open Area (%):	36%. (Biggest opening 7.5 x 12 mm)
Flight:	Yes
Sidewall:	Yes
Pin:	Ø5 mm / **0.197 inch** - Self Lock
Approved:	FDA and EU
Curve:	Yes
Color:	Blue / White / Gray
Cleanability:	Excellent
Application:	Straight and side flexing
Collapse Factor:	2.1 - 2.4 **(Please check page 197 to see Collapse Factors-Width Table)**
Belt Thickness:	15,5 mm / **0.61 inch**

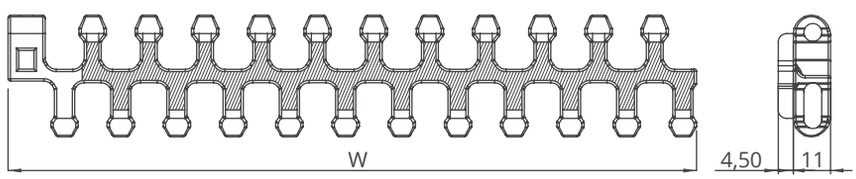


EC254 R-GT Technical Information

Belt Material		**PP**	**PP**
Rubber Material		**TPE**	
Pin Material		**POM**	**PA**
Belt Strength (Straight)	N/m | **lb/ft**	19000 - **1300**	19000 - **1300**
Belt Strength (Curve)	N/m | **lb/ft**	1000 - **225**	1000 - **225**
Temperature	°C °F	+5 / +60 **+40 / +140**	+5 / +60 **+40 / +140**
Belt Weight	kg/m² | **lb/sqft²**	6.4 / **1.31**	6.4 / **1.31**

Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter for gravity take up center drive rollers (min.)		Backbending radius for elevators without side guards or hold down devices (min.)		Backbending radius for elevators with side guards or hold down devices (min.)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
50	**2**	50	**2**	100	**4**	150	**6**	250	**10**

Belth Width mm	200,0	250,0	300,0	350,0	400,0	450,0	500,0	550,0	600,0	650,0	700,0	750,0	800,0	850,0	900,0	950,0	1000,0
Belth Width inch	7.87	9.84	11.81	13.78	15.75	17.72	19.69	21.65	23.62	25.59	27.56	29.53	31.50	33.46	35.43	37.40	41.34
Belth Width mm	1050,0	1100,0	1150,0	1200,0													
Belth Width inch	41.34	43.31	45.28	47.24													



Product Features and Functional Benefits

- Available for light and medium load capacity.
- 180 degree high speed side flexing applications.
- High temperature and wear resistance.
- Unique locking system.
- Belt provides optimal open area for drainage and airflow.
- Unique rubber top eliminates wear and increases friction in incline-decline applications.

Important Notes

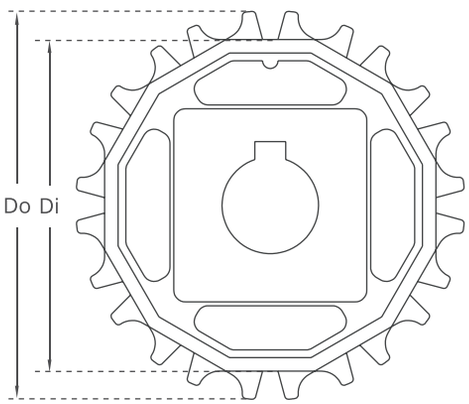
- Standard belt increments 50 mm. Non-standard belt increments 16,6 mm.
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Belt widths bigger than 1200 mm (48") are not recommended. For further information, please contact Modutech Represantatives.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- For PP & POM material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.

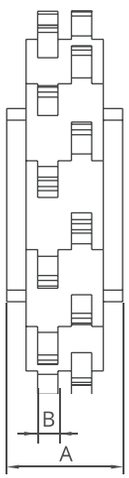
EC254 R Series

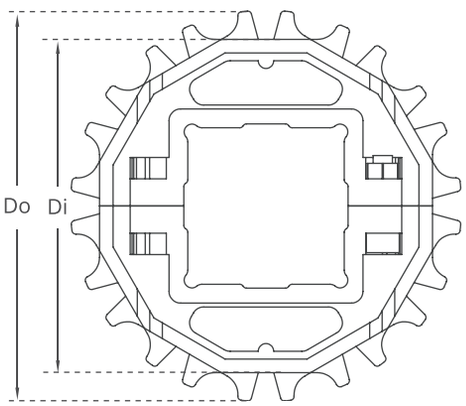
Sprockets and Technical Specifications

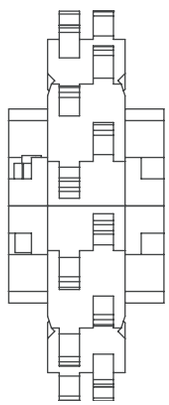
Z15

Z8









Split moulded sprockets are available.

EC254 R Series / Standard Sprockets Dimensions

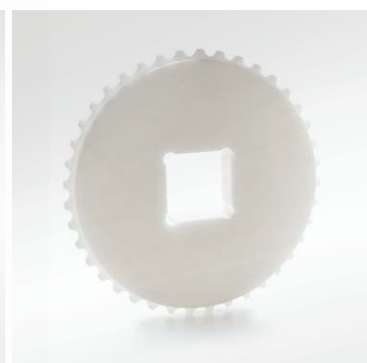
NO.TEETH	Di mm/**inch**	Do mm/**inch**	B mm/**inch**	A mm/**inch**	Square Bore (Q) mm/**inch**		Round Bore (R) mm/**inch**		PRODUCT CODE	
									Square Type (Q)	Round Type (R)
Z8	52,0 / **2.05**	67,0 / **2.64**	5,3 / **0.21**	30,0 / **1.18**	25	**1**	25	**1**	MD-TR254SQZ8*POM	MD-TR254SRZ8*POM
Z10	69,0 / **2.72**	84,0 / **3.31**	5,3 / **0.21**	30,0 / **1.18**	40	**1.5**	25-30	**1-1.25**	MD-TR254SQZ10*POM	MD-TR254SRZ10*POM
Z12	85,8 / **3.38**	100,8 / **3.97**	5,3 / **0.21**	30,0 / **1.18**	40	**1.5**	25-30-35	**1-1.25**	MD-TR254SQZ12*POM	MD-TR254SRZ12*POM
Z15	110,8 / **4.36**	125,8 / **4.95**	5,3 / **0.21**	30,0 / **1.18**	40	**1.5**	25-30	**1-1.25**	MD-TR254SQZ15*POM	MD-TR254SRZ15*POM
Z16	119,1 / **4.69**	134,1 / **5.28**	5,3 / **0.21**	30,0 / **1.18**	40	**1.5**	25-30	**1-1.25**	MD-TR254SQZ16*POM	MD-TR254SRZ16*POM
Z18	135,6 / **5.34**	150,6 / **5.93**	5,3 / **0.21**	30,0 / **1.18**	40	**1.5**	25-30-35	**1-1.25**	MD-TR254SQZ18*POM	MD-TR254SRZ18*POM
Z20	152,0 / **5.98**	167,1 / **6.58**	5,3 / **0.21**	30,0 / **1.18**	40	**1.5**	25-30	**1-1.25**	MD-TR254SQZ20*POM	MD-TR254SRZ20*POM

*Other sprockets and hub sizes are manufactured up to request.
*PA (Polyamide) and PP (Polypropylene) sprockets raw material is available on request.
***Machined Split Sprockets are avaliable for each size.**

Clamp

Machined Split Sprocket

Moulded Sprocket

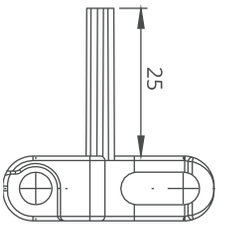


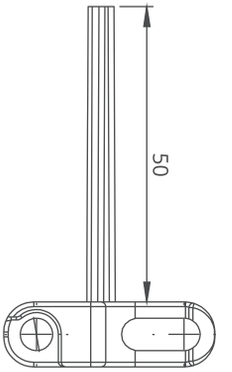
Machined Sprocket

EC254 R Series

Accessories and Technical Specifications

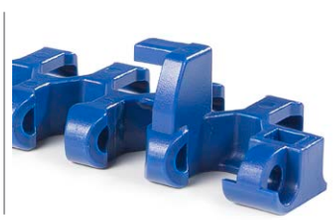
MODUTECH

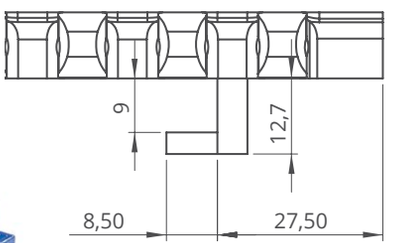




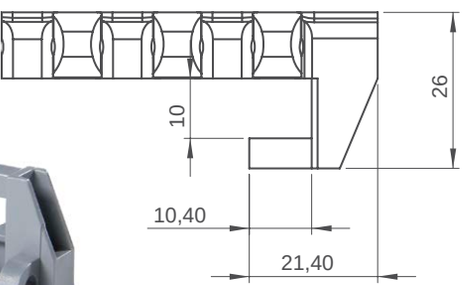
EC254 R Series / TAB - Technical Specification

TAB-M

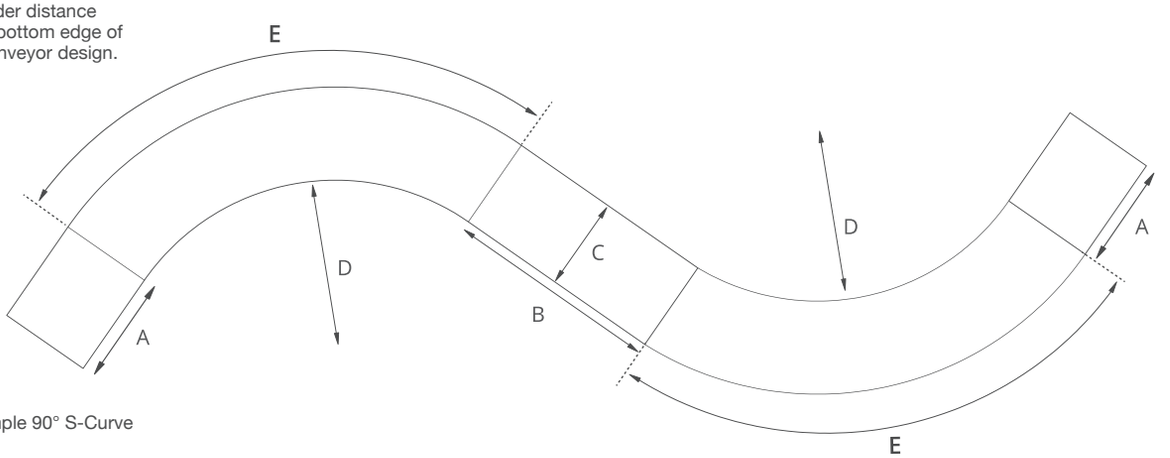




TAB-E



Note: Please consider distance between shaft and bottom edge of TABS during the conveyor design.



Radius Belt Example 90° S-Curve

EC254 R Series / Radius Belt Calculation

A: Straight run pull and n = Belt width
B: Straight run between 2 curves = min. 2 x belt width
C: Belt width
D: Minimum inner radius
E: Curve length

$$\textbf{Collapse Factor} = \frac{\text{Min. inner radius}}{\text{Belt width}}$$

Minimum inner radius = Collapse Factor x Belt width

CALCULATION EXAMPLE

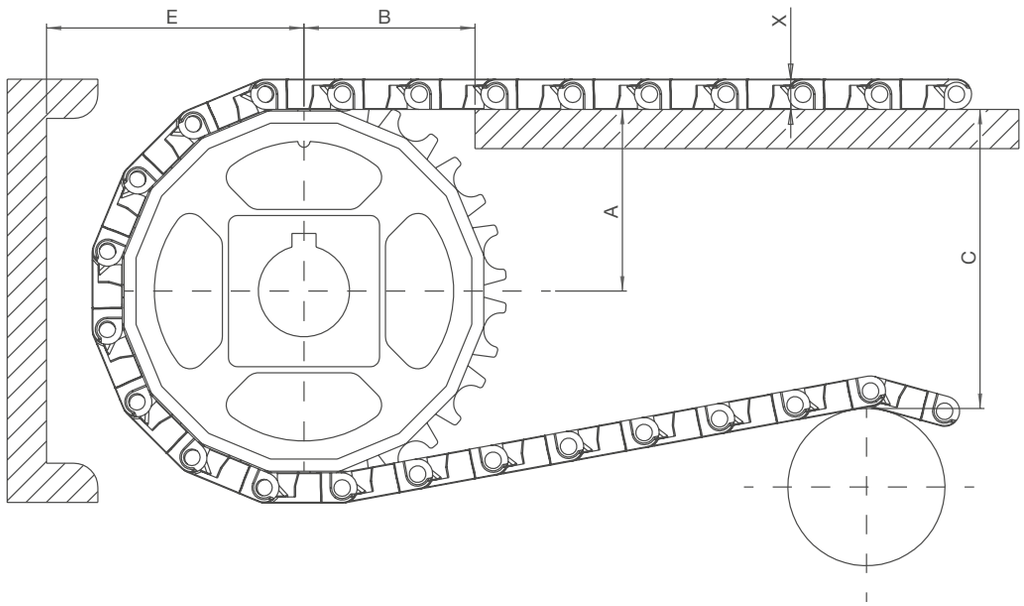
Belt width: 400 mm 90° Radius Belt
Collapse Factor: 2.14

D: 400 x 2.14 = 856 mm
A: 400 (Min.)
B: 2 x 400 = 800 mm (Min.)
E: $\frac{2x(C+D) \times 3.14}{4}$ = 1972 mm
Total length = (2 x A) + B + (2 x E)

EC254 R Series

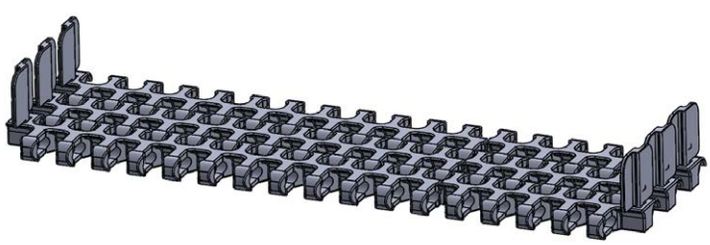
Engineering Information

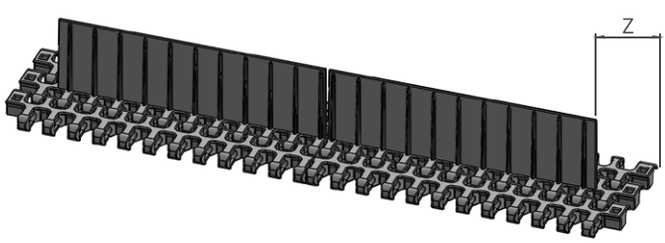
A - ± 0,031" (1mm)
B - ± 0,125" (3mm)
C - ± (Max.)
E - ± (Min.)



EC254 R Series / Conveyor Frame Dimensions

Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)									
inch	mm		inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
EC254 R												
2.38	60,5	8	**1.15**	29,2	**1.55**	39,4	**1.95**	49,5	**1.94**	49,2	**0.43**	11,0
3.07	78,0	10	**1.46**	37,1	**1.77**	45,0	**2.60**	66,1	**2.25**	57,1	**0.43**	11,0
3.74	95,0	12	**1.76**	44,8	**1.97**	50,1	**3.24**	82,3	**2.55**	64,8	**0.43**	11,0
4.70	119,5	15	**2.22**	56,4	**2.23**	56,7	**4.18**	106,1	**3.01**	76,4	**0.43**	11,0
5.02	127,5	16	**2.37**	60,2	**2.38**	60,5	**4.46**	113,2	**3.21**	81,5	**0.43**	11,0
5.71	145,0	18	**2.73**	69,3	**2.45**	62,3	**5.19**	131,8	**3.51**	89,3	**0.43**	11,0
EC254 R-GT												
2.38	60,5	8	**1.15**	29,2	**1.55**	39,4	**1.95**	49,5	**2.18**	53,7	**0.61**	15,5
3.07	78,0	10	**1.46**	37,1	**1.77**	45,0	**2.60**	66,1	**2.48**	61,6	**0.61**	15,5
3.74	95,0	12	**1.76**	44,8	**1.97**	50,1	**3.24**	82,3	**2.79**	69,3	**0.61**	15,5
4.70	119,5	15	**2.22**	56,4	**2.23**	56,7	**4.18**	106,1	**3.25**	80,9	**0.61**	15,5
5.02	127,5	16	**2.37**	60,2	**2.38**	60,5	**4.46**	113,2	**3.46**	86,0	**0.61**	15,5
5.71	145,0	18	**2.73**	69,3	**2.45**	62,3	**5.19**	131,8	**3.76**	93,8	**0.61**	15,5





EC254 R Series / Sidewall Technical Specifications

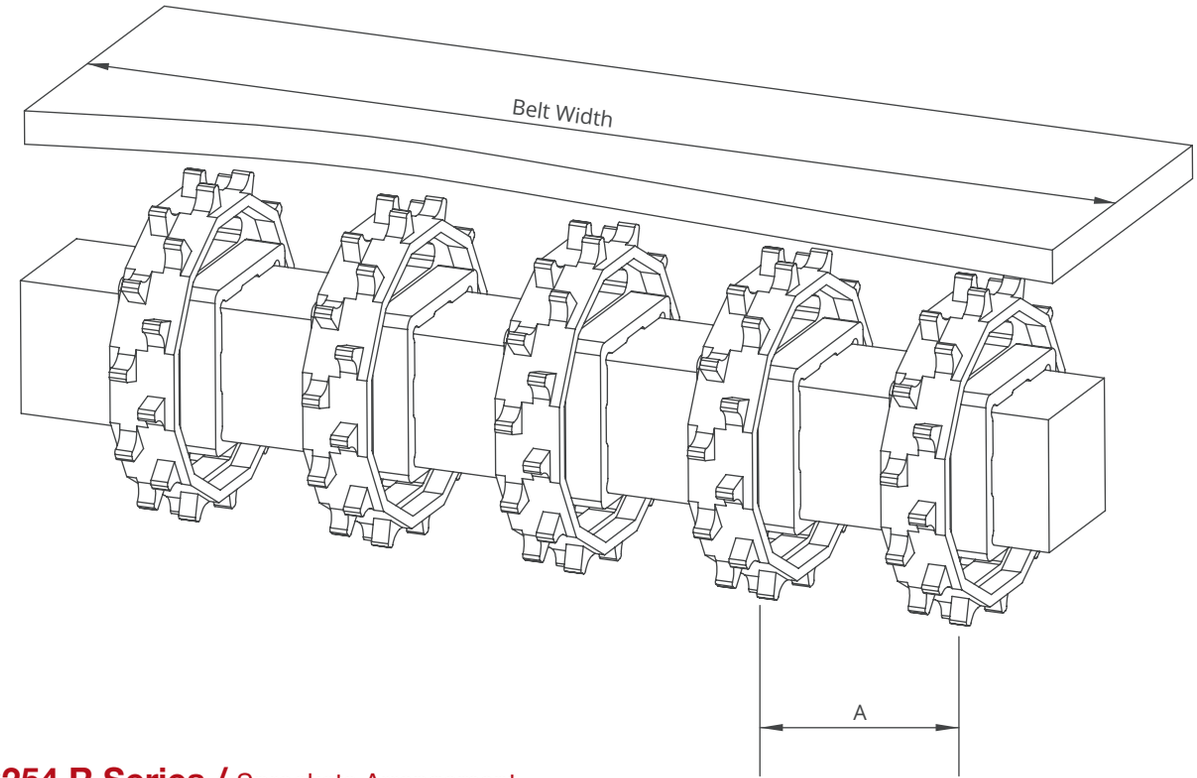
Possible Sidewall Indents	-	
	mm	inch
Standard, no module cutting	-	-

EC254 R Series / Flight Technical Specifications

Possible Flight Indents for EC254 R Series	Z	
	mm	inch
Standard, no module cutting	25,0	**0.98**
Standard, module cutting	37,5	**1.48**
Standard, module cutting	54,3	**2.14**

EC254 R Series
Engineering Information

MODUTECH



EC254 R Series / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/**inch**)	
mm	**inch**	Drive Shaft	Return Shaft	Min.	Max.
150,0	**6.0**	2	2	50/**2**	120/**4.7**
200,0	**8.0**	2	2	50/**2**	120/**4.7**
250,0	**10.0**	3	2	50/**2**	120/**4.7**
300,0	**12.0**	3	2	50/**2**	120/**4.7**
350,0	**14.0**	3	3	50/**2**	120/**4.7**
400,0	**16.0**	4	3	50/**2**	120/**4.7**
450,0	**18.0**	4	3	50/**2**	120/**4.7**
500,0	**20.0**	5	4	50/**2**	120/**4.7**
550,0	**22.0**	5	4	50/**2**	120/**4.7**
600,0	**24.0**	6	5	50/**2**	120/**4.7**
700,0	**26.0**	7	5	50/**2**	120/**4.7**
800,0	**28.0**	8	6	50/**2**	120/**4.7**
900,0	**30.0**	9	7	50/**2**	120/**4.7**
1000,0	**32.0**	10	7	50/**2**	120/**4.7**

Note: Number of sprockets depends on the belt load.

EC254 R Series / Collapse Factors per widths for EC254 R Series

Nom. Belt Width (mm)	250,0	300,0	350,0	400,0	450,0	500,0	550,0	600,0	650,0	700,0	750,0	800,0	850,0	900,0	950,0	1000,0	1050,0	1100,0	1150,0	1200,0
Nom. Belt Width **(inch)**	**10.0**	**12.0**	**14.0**	**16.0**	**18.0**	**20.0**	**22.0**	**24.0**	**26.0**	**28.0**	**30.0**	**32.0**	**34.0**	**36.0**	**38.0**	**40.0**	**42.0**	**44.0**	**46.0**	**48.0**
Collapse Factor	2,07	2,10	2,12	2,14	2,15	2,16	2,17	2,18	2,18	2,19	2,19	2,19	2,20	2,20	2,20	2,21	2,21	2,21	2,21	2,21
Min. Inner Radius (mm)	517,5	630,0	742,0	856,0	967,5	1080,0	1193,5	1308,0	1417,0	1533,0	1642,5	1752,0	1870,0	1980,0	2090,0	2210,0	2320,5	2431,0	2541,5	2652,0
Min. Inner Radius **(inch)**	**20.7**	**25.2**	**29.7**	**34.2**	**38.7**	**43.2**	**47.7**	**52.3**	**56.7**	**61.3**	**65.7**	**70.8**	**74.8**	**79.2**	**83.6**	**88.4**	**92.8**	**97.2**	**101.7**	**106.1**

Standard range of belt width and collapse factor (Min. Inner radius = Collapse factor x Standard belt width)

EC254T R

Tight Radius

Modular Radius Belt Series

- **Meat Applications**

Spiral Freezer

- **Poultry Applications**

Spiral Freezer

- **Seafood Applications**

Freezing Lines, Spiral

- **Bakery Applications**

Spiral, Proofing, Cooling, Freezing Lines, Pan Handling

- **Fruits and Vegetables Applications**

Container Conveyence

- **Automotive Applications**

Car Part Manufacturing, Battery Filling

- **Packaging Applications**

Tray Packers, Box Transport Horizontal

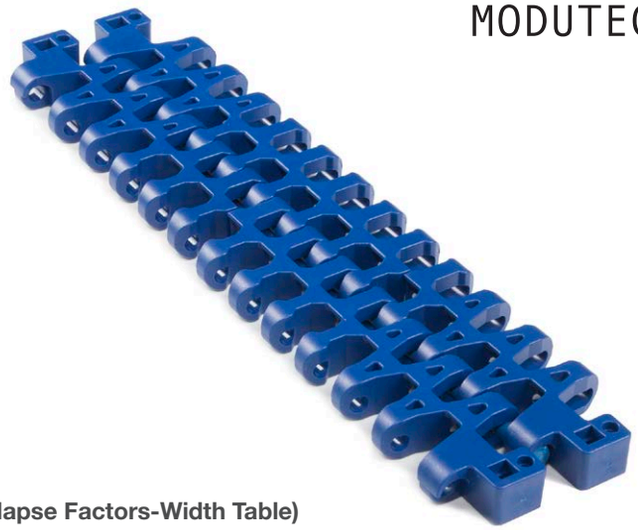
- **Postal Applications**

Parcel Handling

EC254T R *(Tight Radius)*

MODUTECH

Pitch:	25,8 mm / **1 inch**
Belt Surface:	Open, Smooth Surface
Minimum Width:	167 mm / **6.57 inch**
Open Area (%):	38%. (Biggest opening 6.5 x 12 mm)
Flight:	No
Sidewall:	Yes
Pin:	Ø5 mm / **0.197 inch** - Self Lock
Approved:	FDA and EU
Curve:	Yes
Color:	Blue / White / Gray
Cleanability:	Excellent
Application:	Straight and side flexing
Collapse Factor:	1.4 - 1.6 **(Please check page 203 to see Collapse Factors-Width Table)**
Belt Thickness:	13 mm / **0.512 inch**

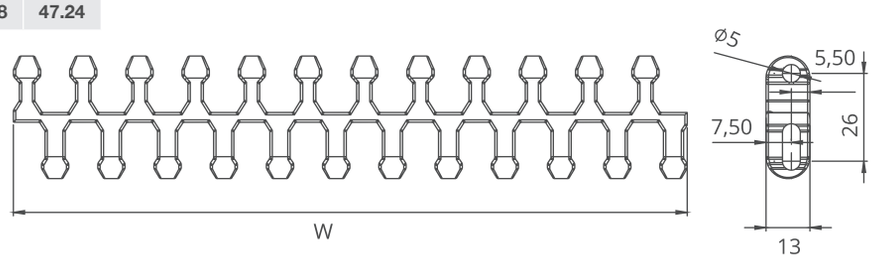


EC254T R Technical Information

Belt Material		**POM**	**POM**	**PP**	**PP**
Pin Material		**PA**	**POM**	**PA**	**POM**
Belt Strength (Straight)	N/m | **lb/ft**	20000 - **1370**	20000 - **1370**	14000 - **959**	14000 - **959**
Belt Strength (Curve)	N/m | **lb/ft**	1100 - **247**	1100 - **247**	600 - **135**	600 - **135**
Temperature	°C °F	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +200**
Belt Weight	kg/m² | **lb/sqft²**	8.4 / **1.72**	8.4 / **1.72**	5.8 / **1.19**	5.8 / **1.19**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
50	**2**	50	**2**	100	**4**	150	**6**	-	**-**

Belth Width mm	250,0	300,0	350,0	400,0	450,0	500,0	550,0	600,0	650,0	700,0	750,0	800,0	850,0	900,0	950,0	1000,0	1050,0
Belth Width inch	**9.84**	**11.81**	**13.78**	**15.75**	**17.72**	**19.69**	**21.65**	**23.62**	**25.59**	**27.56**	**29.53**	**31.50**	**33.46**	**35.43**	**37.40**	**39.37**	**41.34**
Belth Width mm	1100,0	1150,0	1200,0														
Belth Width inch	**43.31**	**45.28**	**47.24**														



Product Features and Functional Benefits

- Belt designed for tight radius applications.
- Available for light and medium load capacity.
- 180 degree high speed side flexing applications.
- High temperature and wear resistance. Unique locking system.
- Belt provides optimal open area for drainage and airflow.

Important Notes

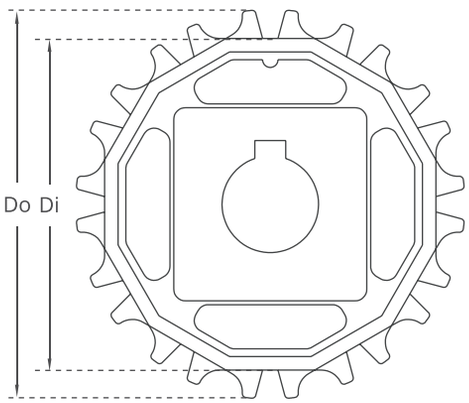
- Standard belt increments 50 mm. Non-standard belt increments 16,6 mm.
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Belt widths bigger than 1200 mm (48") are not recommended. For further information, please contact Modutech Represantatives.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- For PP material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.
- For POM material up to 750 mm (30") -4 mm to -1 mm and -0.5% to -0.2% for wider belts.

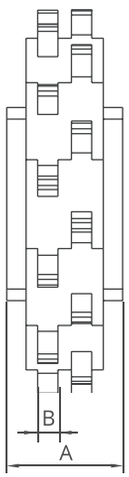
EC254T R Series

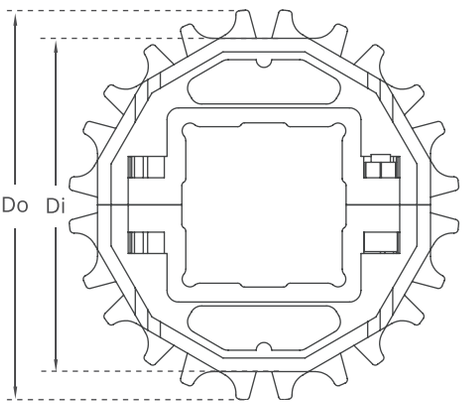
Sprockets and Technical Specifications

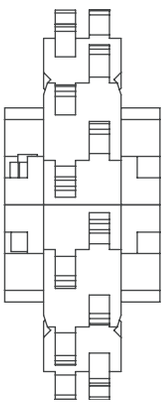
Z15

Z8









Split moulded sprockets are available.

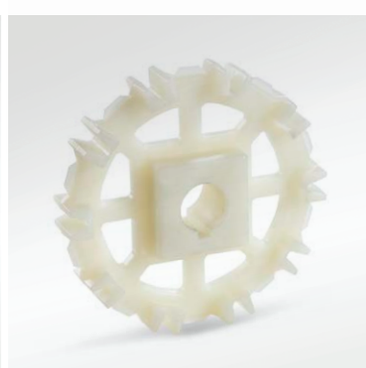
EC254T R Series / Standard Sprockets Dimensions

NO.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	52,0 / **2.05**	67,0 / **2.64**	5,3 / **0.21**	30 / **1.18**	25	**1**	25	**1**	MD-TR254SQ25Z8*POM	MD-TR254SRZ8*POM
Z10	69,0 / **2.72**	84,0 / **3.31**	5,3 / **0.21**	30 / **1.18**	40	**1.5**	25-30	**1-1.25**	MD-TR254SQZ10*POM	MD-TR254SRZ10*POM
Z12	85,8 / **3.38**	100,8 / **3.97**	5,3 / **0.21**	30 / **1.18**	40	**1.5**	25-30-35	**1-1.25**	MD-TR254SQZ12*POM	MD-TR254SRZ12*POM
Z15	110,8 / **4.36**	125,8 / **4.95**	5,3 / **0.21**	30 / **1.18**	40	**1.5**	25-30	**1-1.25**	MD-TR254SQZ15*POM	MD-TR254SRZ15*POM
Z16	119,1 / **4.69**	134,1 / **5.28**	5,3 / **0.21**	30 / **1.18**	40	**1.5**	25-30	**1-1.25**	MD-TR254SQZ16*POM	MD-TR254SRZ16*POM
Z18	135,6 / **5.34**	150,6 / **5.93**	5,3 / **0.21**	30 / **1.18**	40	**1.5**	25-30-35	**1-1.25**	MD-TR254SQZ18*POM	MD-TR254SRZ18*POM
Z20	152,0 / **5.98**	167,1 / **6.58**	5,3 / **0.21**	30 / **1.18**	40	**1.5**	25-30	**1-1.25**	MD-TR254SQZ20*POM	MD-TR254SRZ20*POM

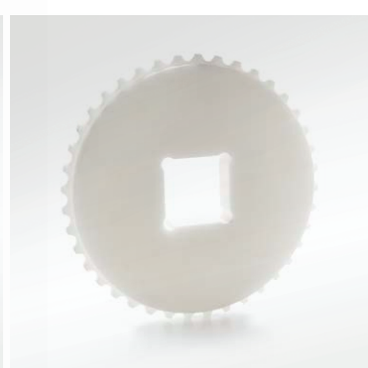
*Other sprockets and hub sizes are manufactured up to request. *PA (Polyamide) and PP (Polypropylene) sprockets raw material is available on request.
***Machined Split Sprockets are avaliable for each size.**

Clamp

Machined Split Sprocket

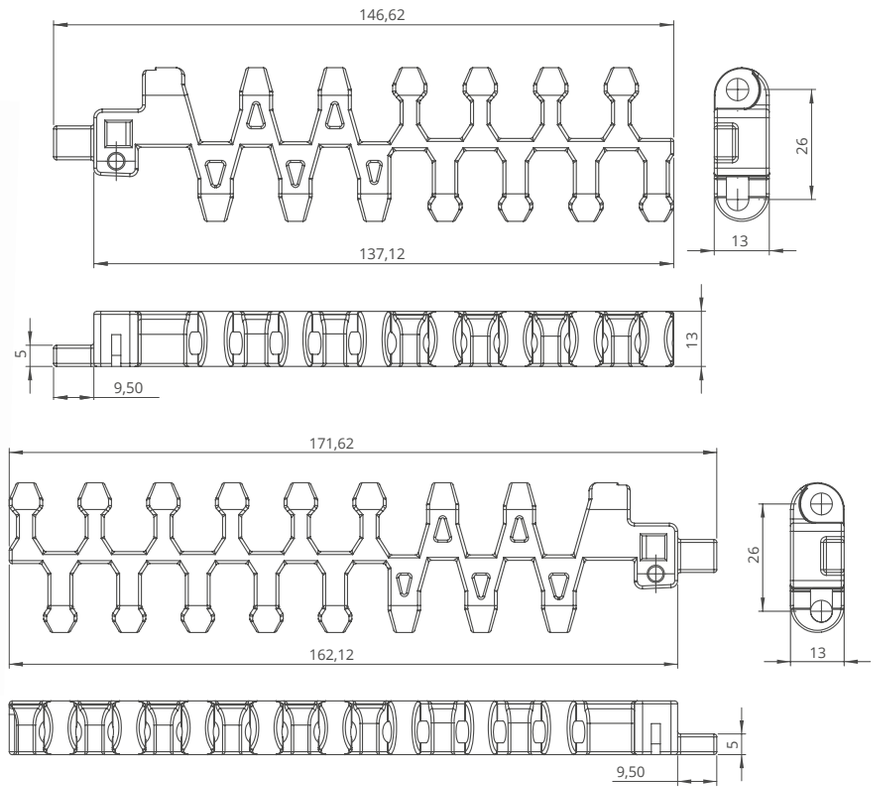


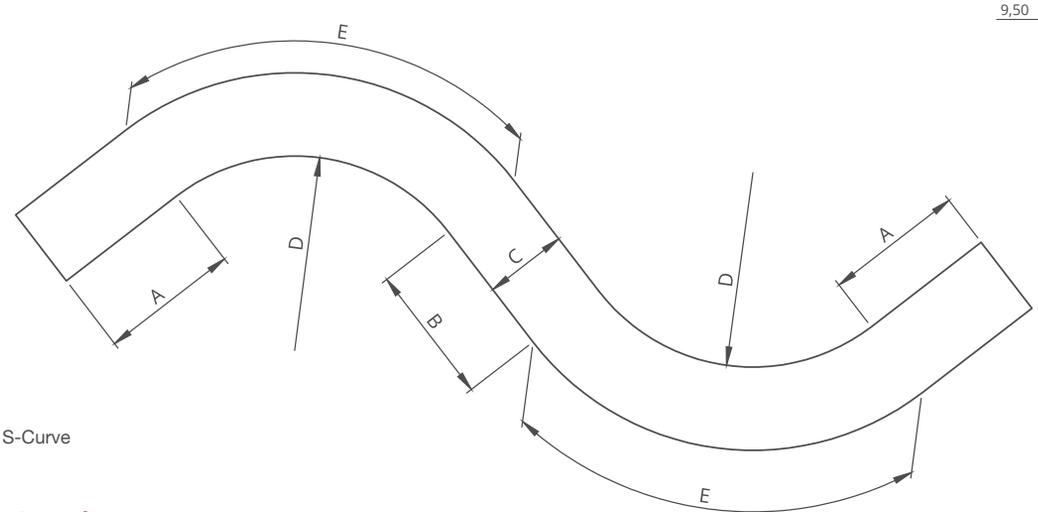
Moulded Sprocket



Machined Sprocket

EC254T R Series / TAB - Technical Specification





Radius Belt Example 90° S-Curve

EC254T R Series / Radius Belt Calculation

A: Straight run pull and n = Belt width
B: Straight run between 2 curves = min. 2 x belt width
C: Belt width
D: Minimum inner radius
E: Curve length

$$\textbf{Collapse Factor} = \frac{\text{Min. inner radius}}{\text{Belt width}}$$

Minimum inner radius = Collapse Factor x Belt width

CALCULATION EXAMPLE

Belt width: 500 mm Radius Belt
Collapse Factor: 1.55

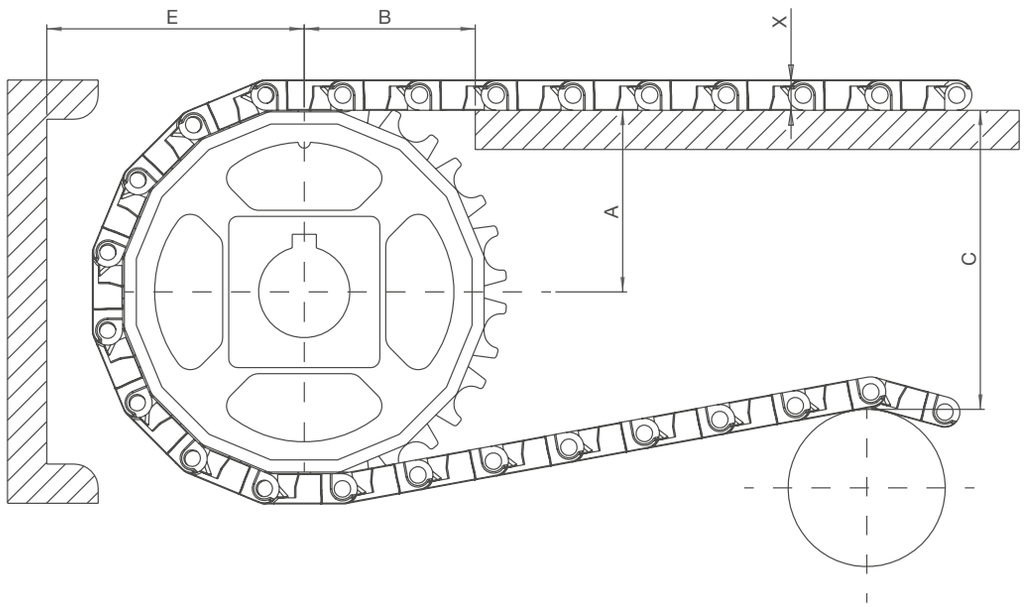
D: 500 mm x 1.55= 775 mm
A: 500 mm
B: 2 x 500 mm = 1000 mm (min.)
E: $\frac{2 \times (C+D) \times 3.14}{4}$ = 2016 mm

Total length = (2 x A) + B + (2 x E)

EC254T R Series

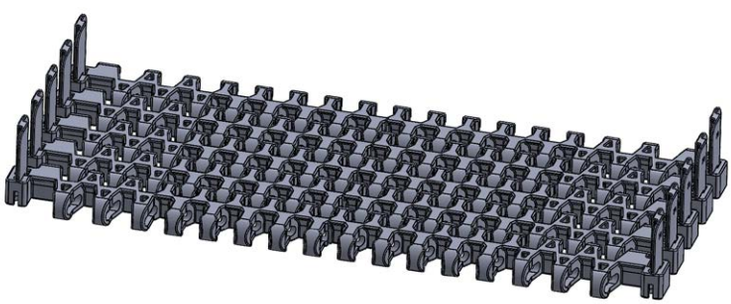
Engineering Information

A - ± 0,031" (1mm)
B - ± 0,125" (3mm)
C - ± (Max.)
E - ± (Min.)



EC254T R Series / Conveyor Frame Dimensions

Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)		inch	mm	inch	mm	inch	mm	inch	mm
inch	mm		inch	mm								
EC254T R												
2.38	60,5	8	**1.15**	29,2	**1.55**	39,4	**1.95**	49,5	**1.94**	49,2	**0.43**	11,0
3.07	78,0	10	**1.46**	37,1	**1.77**	45,0	**2.60**	66,1	**2.25**	57,1	**0.43**	11,0
3.74	95,0	12	**1.76**	44,8	**1.97**	50,1	**3.24**	82,3	**2.55**	64,8	**0.43**	11,0
4.70	119,5	15	**2.22**	56,4	**2.23**	56,7	**4.18**	106,1	**3.01**	76,4	**0.43**	11,0
5.02	127,5	16	**2.37**	60,2	**2.38**	60,5	**4.46**	113,2	**3.21**	81,5	**0.43**	11,0
5.71	145,0	18	**2.73**	69,3	**2.45**	62,3	**5.19**	131,8	**3.51**	89,3	**0.43**	11,0

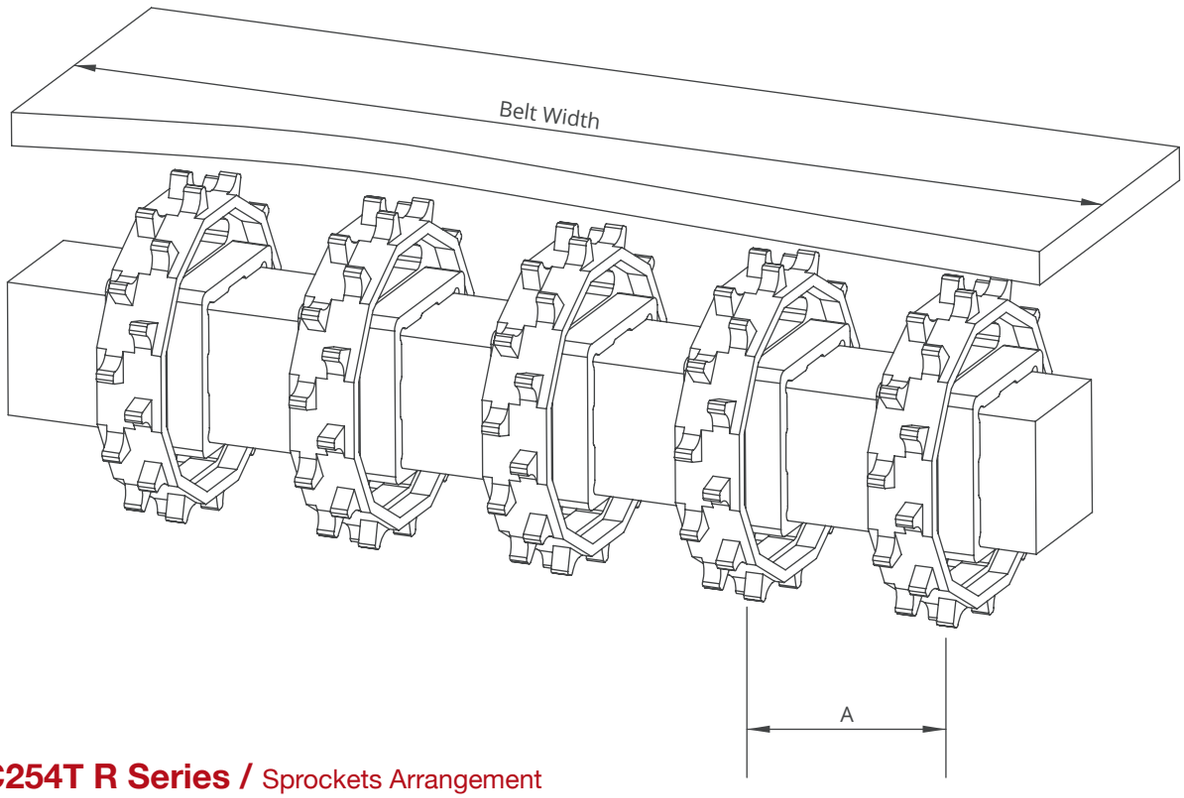


EC254T R Series / Sidewall Technical Specifications

Possible Sidewall Indents	-	
	mm	inch
Standard, no module cutting	-	-

EC254T R Series
Engineering Information

MODUTECH



EC254T R Series / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/**inch**)	
mm	**inch**	Drive Shaft	Return Shaft	Min.	Max.
167,0	**6.57**	2	2	50/**2**	120/**4.7**
200,0	**8.0**	2	2	50/**2**	120/**4.7**
250,0	**10.0**	3	2	50/**2**	120/**4.7**
300,0	**12.0**	3	2	50/**2**	120/**4.7**
350,0	**14.0**	3	3	50/**2**	120/**4.7**
400,0	**16.0**	4	3	50/**2**	120/**4.7**
450,0	**18.0**	4	3	50/**2**	120/**4.7**
500,0	**20.0**	5	4	50/**2**	120/**4.7**
550,0	**22.0**	5	4	50/**2**	120/**4.7**
600,0	**24.0**	6	5	50/**2**	120/**4.7**
700,0	**26.0**	7	5	50/**2**	120/**4.7**
800,0	**28.0**	8	6	50/**2**	120/**4.7**
900,0	**30.0**	9	7	50/**2**	120/**4.7**
1000,0	**32.0**	10	7	50/**2**	120/**4.7**

Note: Number of sprockets depends on the belt load.

EC254T R Series / Collapse Factors per width for EC254T R Series

Nom. Belt Width (mm)	250,0	300,0	350,0	400,0	450,0	500,0	550,0	600,0	650,0	700,0	750,0	800,0	850,0	900,0	950,0	1000,0	1050,0	1100,0	1150,0	1200,0
Nom. Belt Width **(inch)**	**10.0**	**12.0**	**14.0**	**16.0**	**18.0**	**20.0**	**22.0**	**24.0**	**26.0**	**28.0**	**30.0**	**32.0**	**34.0**	**36.0**	**38.0**	**40.0**	**42.0**	**44.0**	**46.0**	**48.0**
Collapse Factor	1,43	1,47	1,50	1,52	1,54	1,55	1,56	1,57	1,58	1,58	1,59	1,61	1,62	1,63	1,64	1,65	1,66	1,66	1,70	1,71
Min. Inner Radius (mm)	357,5	441,0	525,0	608,0	693,0	775,0	858,0	942,0	1027,0	1106,0	1192,5	1288,0	1377,0	1467,0	1558,0	1650,0	1743,0	1826,0	1955,0	2052,0
Min. Inner Radius **(inch)**	**14.3**	**17.6**	**21.0**	**24.3**	**27.7**	**31.0**	**34.3**	**37.7**	**41.1**	**44.2**	**47.7**	**51.5**	**55.1**	**58.7**	**62.3**	**66.0**	**69.7**	**73.0**	**78.2**	**82.1**

Standard range of belt width and collapse factor (Min. Inner radius = Collapse factor x Standard belt width)

MODUTECH®

1.5" Radius Belts

Modular Belt Series

EC381 R
Sprockets & Accessories
Engineering Information
Radius Belt Calculation

FDA

www.modutech.com.tr

EC381 R

Modular Radius Belt Series

- **Meat Applications**
  Spiral Freezer
- **Poultry Applications**
  Spiral Freezer
- **Seafood Applications**
  Freezing Lines, Spiral
- **Bakery Applications**
  Spiral, Proofing, Cooling, Freezing Lines, Pan Handling
- **Fruits and Vegetables Applications**
  Container Conveyence
- **Automotive Applications**
  Car Part Manufacturing, Battery Filling
- **Packaging Applications**
  Tray Packers, Box Transport Horizontal
- **Postal Applications**
  Parcel Handling

EC381 R

MODUTECH

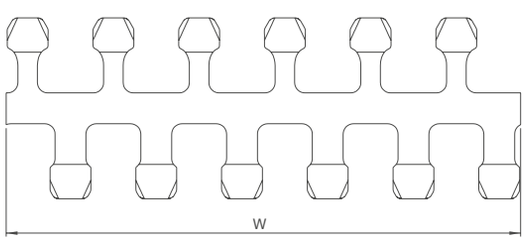
Pitch:	38,1 mm / **1.5 inch**
Belt Surface:	Open, Smooth Surface
Minimum Width:	200 mm / **7.87 inch**
Open Area (%):	30%. (Biggest opening 7 x 19 mm)
Flight:	No
Sidewall:	No
Pin:	Ø6 mm / **0.296 inch** - Self Lock
Approved:	FDA and EU
Curve:	Yes
Color:	White
Cleanability:	Excellent
Application:	Straight and side flexing
Collapse Factor:	1.85 - 2.13 **(Please check page 211 to see Collapse Factors-Width Table)**
Belt Thickness:	18 mm / **0.71 inch**

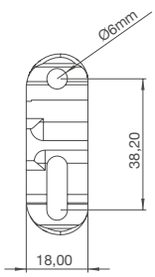
EC381 R Technical Information

Belt Material		**POM**	**POM**	**PP**	**PP**
Pin Material		**PA**	**POM**	**PA**	**POM**
Belt Strength (Straight)	N/m | **lb/ft**	32000 - **2192**	32000 - **2192**	23000 - **1575**	23000 - **1575**
Belt Strength (Curve)	N/m | **lb/ft**	2400 - **540**	2400 - **540**	2000 - **450**	2000 - **450**
Temperature	°C **°F**	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +200**
Belt Weight	kg/m² | **lb/sqft²**	11.8 / **2.42**	11.8 / **2.42**	8.0 / **1.64**	8.0 / **1.64**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
90	**3.5**	90	**3.5**	150	**6**	150	**6**	250	**10**

Belth Width mm	200,0	250,0	300,0	350,0	400,0	450,0	500,0	550,0	600,0	650,0	700,0	750,0	800,0	850,0	900,0	950,0	1000,0
Belth Width inch	**7.87**	**9.84**	**11.81**	**13.78**	**15.75**	**17.72**	**19.69**	**21.65**	**23.62**	**25.59**	**27.56**	**29.53**	**31.50**	**33.46**	**35.43**	**37.40**	**41.34**
Belth Width mm	1050,0	1100,0	1150,0	1200,0													
Belth Width inch	**41.34**	**43.31**	**45.28**	**47.24**													





Product Features and Functional Benefits

- Belt designed for radius applications.
- Available for light and medium load capacity.
- 180 degree high speed side flexing applications.
- High temperature and wear resistance.
- Unique locking system.
- Belt provides optimal open area for drainage and airflow.

Important Notes

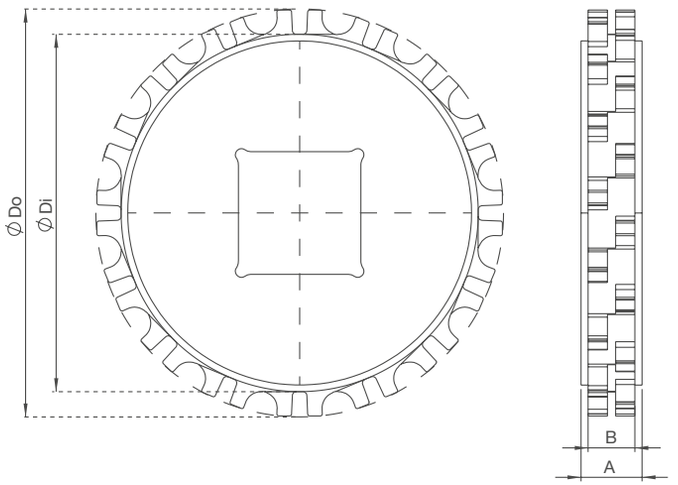
- Standard belt increments 50 mm. Non-standard belt increments 25 mm.
- Special raw materials and additional colors available.
- Belt widths bigger than 1200 mm (48") are not recommended. For further information, please contact Modutech Representatives.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- For PP & POM material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.

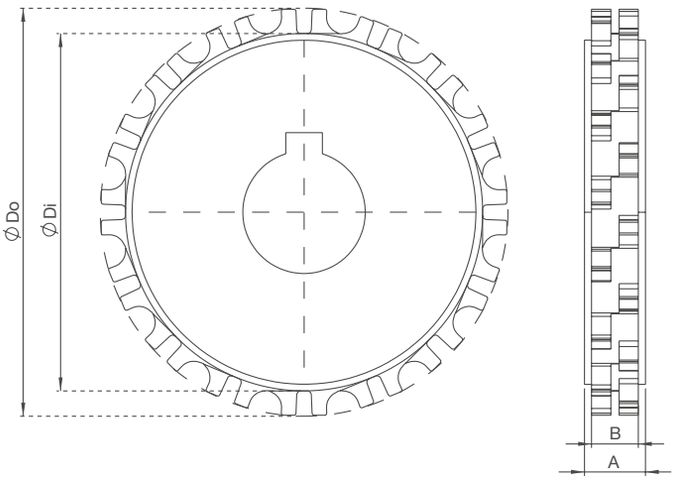
EC381 R Series

Engineering Information

Z16

Z12





EC381 R Series / Machined Sprockets Dimensions

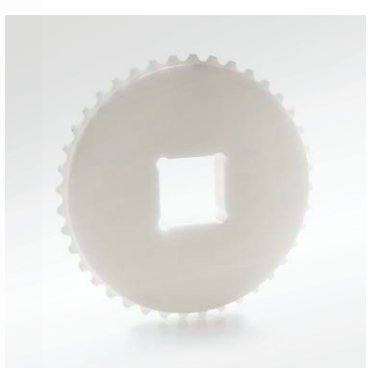
NO.TEETH	Di mm/**inch**	Do mm/**inch**	B mm/**inch**	A mm/**inch**	Square Bore (Q) mm/**inch**		Round Bore (R) mm/**inch**		PRODUCT CODE	
									Square Type (Q)	Round Type (R)
Z8	77,3 / **3.04**	102,4 / **4.03**	23 / **0.9**	30,0 / **1.18**	40	**1.5**	40	**1.5**	EC381RSQZ8*POM	EC381RSRZ8*POM
Z12	125,7 / **4.94**	150,9 / **5.94**	23 / **0.9**	30,0 / **1.18**	40-60	**1.5-2.5**	40-60	**1.5-2.5**	EC381RSQZ12*POM	EC381RSRZ12*POM
Z16	175,5 / **6.90**	200,4 / **7.88**	23 / **0.9**	30,0 / **1.18**	40-60	**1.5-2.5**	40-60	**1.5-2.5**	EC381RSQZ16*POM	EC381RSRZ16*POM

*All required sprockets produced by CNC.
*Other sprockets and hub sizes are manufactured up to request.
*POM (Acetal) and PA (Polyamide) sprockets raw material is available on request
***Machined Split Sprockets are avaliable for each size.**

Clamp

Machined Split Sprocket

Moulded Sprocket



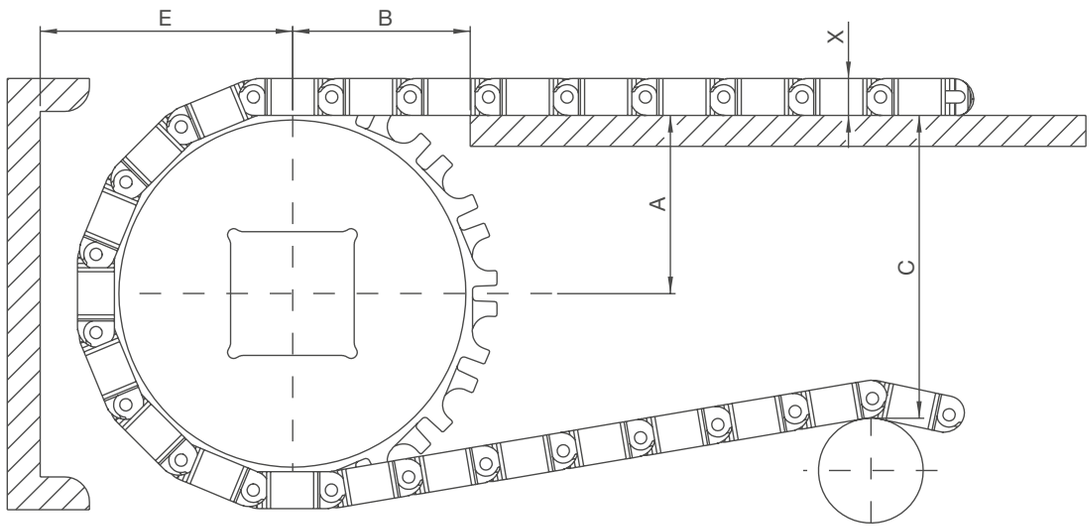
Machined Sprocket

MODUTECH®

EC381 R Series

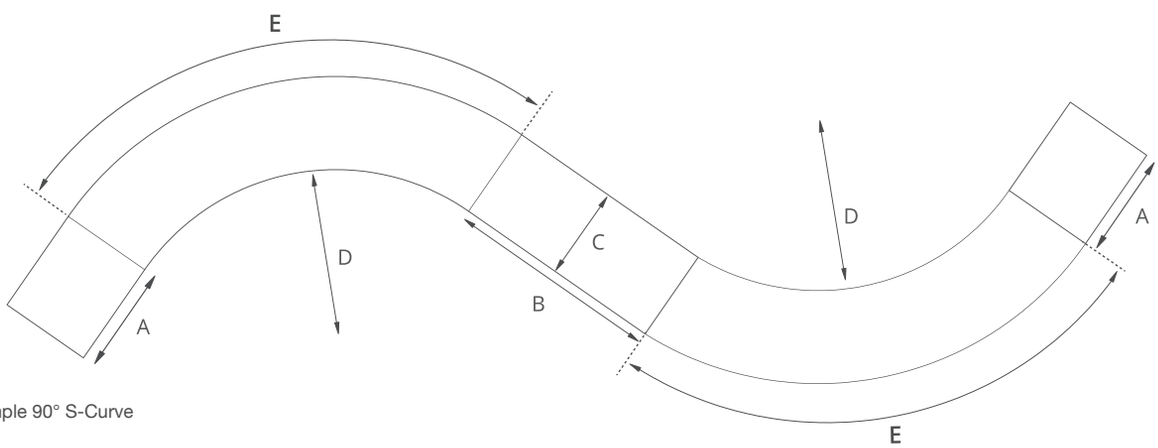
Engineering Information

A - ± 0,031" (1mm)
B - ± 0,125" (3mm)
C - ± (Max.)
E - ± (Min.)



EC381 R Series / Conveyor Frame Dimensions

Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)									
inch	mm		**inch**	mm	**inch**	mm	**inch**	mm	**inch**	mm	**inch**	mm
EC381 R												
3.96	100,6	8	**1.70**	43,2	**2.63**	66,8	**3.01**	76,4	**4.11**	104,4	**0.71**	18,0
5.86	148,8	12	**2.66**	67,6	**3.01**	76,5	**4.93**	125,2	**6.03**	153,2	**0.71**	18,0
7.77	197,3	16	**3.63**	92,3	**4.23**	107,4	**6.87**	174,6	**7.98**	202,6	**0.71**	18,0



Radius Belt Example 90° S-Curve

EC381 R Series / Radius Belt Calculation

A: Straight run pull and n = Belt width
B: Straight run between 2 curves = min. 2 x belt width
C: Belt width
D: Minimum inner radius
E: Curve length

$$\textbf{Collapse Factor} = \frac{\text{Min. inner radius}}{\text{Belt width}}$$

Minimum inner radius = Collapse Factor x Belt width

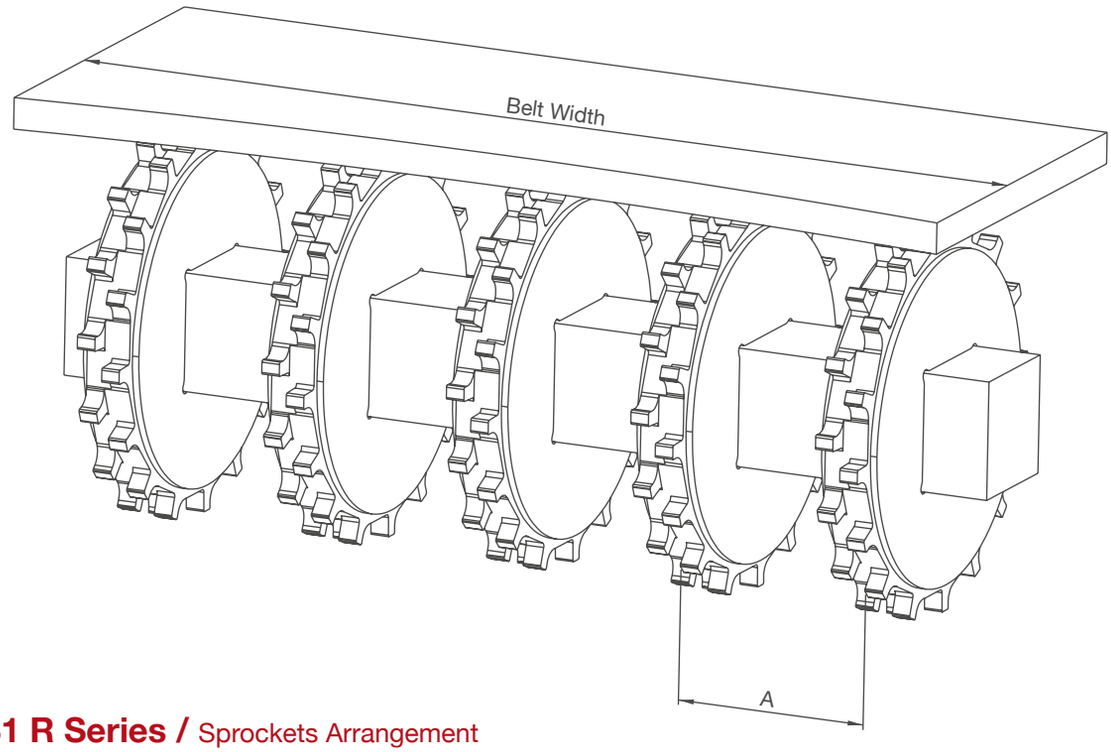
CALCULATION EXAMPLE

Belt width: 600 mm 90° Radius Belt
Collapse Factor: 2.07

D: 600 x 2.07= 1242 mm
A: 600 (Min.)
B: 2 x 600 = 1200 mm (Min.)
E: $\frac{2x(C+D) \times 3.14}{4}$ = 2893 mm
Total length = (2 x A) + B + (2 x E)

EC381 R Series
Engineering Information

MODUTECH



EC381 R Series / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/**inch**)	
mm	**inch**	Drive Shaft	Return Shaft	Min.	Max.
200,0	**7.9**	2	2	50/**2**	120/**4.7**
250,0	**9.8**	2	2	50/**2**	120/**4.7**
300,0	**11.8**	2	2	50/**2**	120/**4.7**
350,0	**13.8**	3	3	50/**2**	120/**4.7**
400,0	**15.7**	3	3	50/**2**	120/**4.7**
450,0	**17.7**	3	3	50/**2**	120/**4.7**
500,0	**19.7**	3	3	50/**2**	120/**4.7**
550,0	**21.7**	3	3	50/**2**	120/**4.7**
600,0	**23.6**	5	5	50/**2**	120/**4.7**
650,0	**25.6**	5	5	50/**2**	120/**4.7**
700,0	**27.6**	5	5	50/**2**	120/**4.7**
750,0	**29.5**	5	5	50/**2**	120/**4.7**
800,0	**31.5**	5	5	50/**2**	120/**4.7**
850,0	**33.5**	7	7	50/**2**	120/**4.7**
900,0	**35.4**	7	7	50/**2**	120/**4.7**
950,0	**37.4**	7	7	50/**2**	120/**4.7**
1000,0	**39.4**	7	7	50/**2**	120/**4.7**
1050,0	**41.3**	7	7	50/**2**	120/**4.7**
1100,0	**43.3**	9	9	50/**2**	120/**4.7**
1150,0	**45.3**	9	9	50/**2**	120/**4.7**
1200,0	**47.2**	9	9	50/**2**	120/**4.7**

Note: Number of sprockets depends on the belt load.

EC381 R Series / Collapse Factors per width for EC381 R Series

Nom. Belt Width (mm)	200,0	250,0	300,0	350,0	400,0	450,0	500,0	550,0	600,0	650,0	700,0	750,0	800,0	850,0	900,0	950,0	1000,0	1050,0	1100,0	1150,0	1200,0
Nom. Belt Width **(inch)**	**7.9**	**9.8**	**11.8**	**13.8**	**15.7**	**17.7**	**19.7**	**21.7**	**23.6**	**25.6**	**27.6**	**29.5**	**31.5**	**33.5**	**35.4**	**37.4**	**39.4**	**41.3**	**43.3**	**45.3**	**47.2**
Collapse Factor	1,85	1,92	1,96	1,99	2,02	2,03	2,05	2,06	2,07	2,08	2,09	2,09	2,10	2.10	2,11	2,11	2,11	2,12	2,12	2,12	2,13
Min. Inner Radius (mm)	370,0	480,0	588,0	696,5	808,0	913,5	1025,0	1133,0	1242,0	1352,0	1463,0	1567,5	1680,0	1785,0	1899,0	2004,5	2110,0	2226,0	2332,0	2438,0	2556,0
Min. Inner Radius **(inch)**	**14.6**	**18.9**	**23.1**	**27.4**	**31.8**	**36.0**	**40.4**	**44.6**	**48.9**	**53.2**	**57.6**	**61.7**	**66.1**	**70.3**	**74.8**	**78.9**	**83.1**	**87.6**	**91.8**	**96,0**	**100.6**

Standard range of belt width and collapse factor (Min. Inner radius = Collapse factor x Standard belt width)

MODUTECH®

2" *Radius Belts*

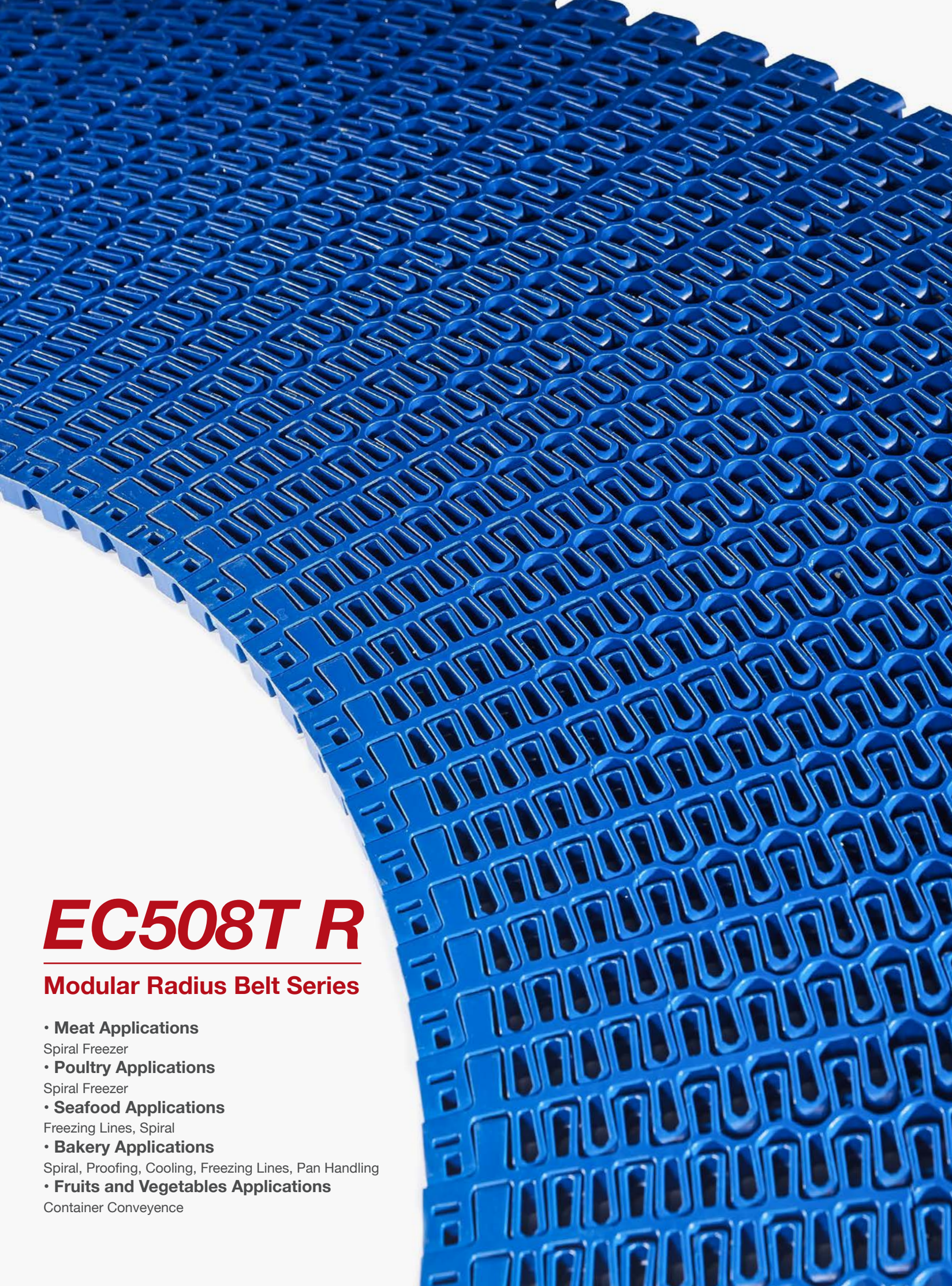
Modular Belt Series

EC508T R
Sprockets & Accessories
Technical Specifications
- *Drum Types, Wear Strip Placement, Support*

Engineering Information
Radius Belt Calculation

FDA

www.modutech.com.tr



EC508T R

Modular Radius Belt Series

- **Meat Applications**

Spiral Freezer

- **Poultry Applications**

Spiral Freezer

- **Seafood Applications**

Freezing Lines, Spiral

- **Bakery Applications**

Spiral, Proofing, Cooling, Freezing Lines, Pan Handling

- **Fruits and Vegetables Applications**

Container Conveyence

EC508T R

MODUTECH

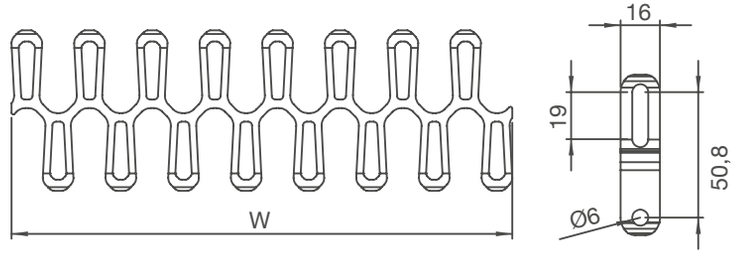
Pitch:	50,8 mm / **2 inch**
Belt Surface:	Open, Smooth Surface
Minimum Width:	508 mm / **20 inch**
Open Area (%):	58%. (Biggest opening 15 x 17 mm)
Contact Area (%):	85%. Open Contact Area
Flight:	No
Divider:	Yes
Pin:	Ø6 mm / **0.296 inch** - Self Lock
Approved:	FDA and EU
Curve:	Yes
Color:	Blue / White
Cleanability:	Excellent
Application:	Straight and side flexing
Collapse Factor:	1.5 - 1.7 **(Please check page 221 to see Collapse Factors-Width Table)**
Belt Thickness:	16 mm / **0.63 inch**

EC508T R Technical Information

Belt Material		**POM**	**POM**	**PP**	**PP**
Pin Material		**PA**	**POM**	**PA**	**POM**
Belt Strength (Straight)	N/m | **lb/ft**	21000 - **1439**	21000 - **1439**	15000 - **1028**	15000 - **1028**
Belt Strength (Curve)	N/m | **lb/ft**	3200 - **720**	3200 - **720**	2330 - **516**	2330 - **516**
Temperature	°C °F	-40 / +93 **-40 / +200**	-40 / +93 **-40 / +200**	+5 / +105 **+40 / +220**	+5 / +93 **+40 / +200**
Belt Weight	kg/m² | **lb/sqft²**	7.5 / **1.54**	7.5 / **1.54**	5.2 / **1.07**	5.2 / **1.07**

Diameter of idling rollers (min.)		**Diameter of support rollers (min.)**		**Diameter for gravity take up center drive rollers (min.)**		**Backbending radius for elevators without side guards or hold down devices (min.)**		**Backbending radius for elevators with side guards or hold down devices (min.)**	
mm	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**	**mm**	**inch**
100	**4**	100	**4**	150	**6**	150	**6**	150	**6**

Belth Width mm	508,0	558,8	609,9	660,4	711,2	762,0	812,8	863,6	914,4	965,2	1016,0	1066,8	1117,6	1168,4	1219,2	1270,0	1320,8
Belth Width inch	**20.00**	**22.00**	**24.00**	**26.00**	**28.00**	**30.00**	**32.00**	**34.00**	**36.00**	**38.00**	**40.00**	**42.00**	**44.00**	**46.00**	**48.00**	**50.00**	**52.00**
Belth Width mm	1371,6	1422,4	1473,2	1524,0													
Belth Width inch	**54.00**	**56.00**	**58.00**	**60.00**													



Product Features and Functional Benefits

- Belt designed for tight radius applications.
- Available for medium and high load capacity.
- Stainless steel pins option for high temperature applications.
- Stainless steel pins option reduce belt elongation for high temperature application.
- High temperature and wear resistance. Unique locking system.
- Belt provides optimal open area for drainage and airflow.
- Suitable for proofer-cooling-freezing spiral towers.

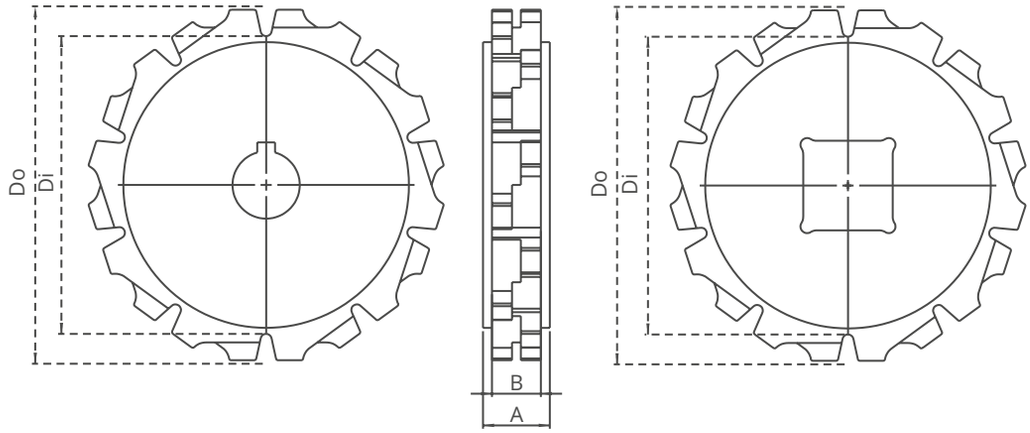
Important Notes

- Standard belt increments 50,8 mm. Non-standard belt increments 25,4 mm.
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Belt widths bigger than 1200 mm (48") are not recommended. For further information, please contact Modutech Representatives.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- For PP & POM material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.

EC508T R Series

Sprockets and Accessories

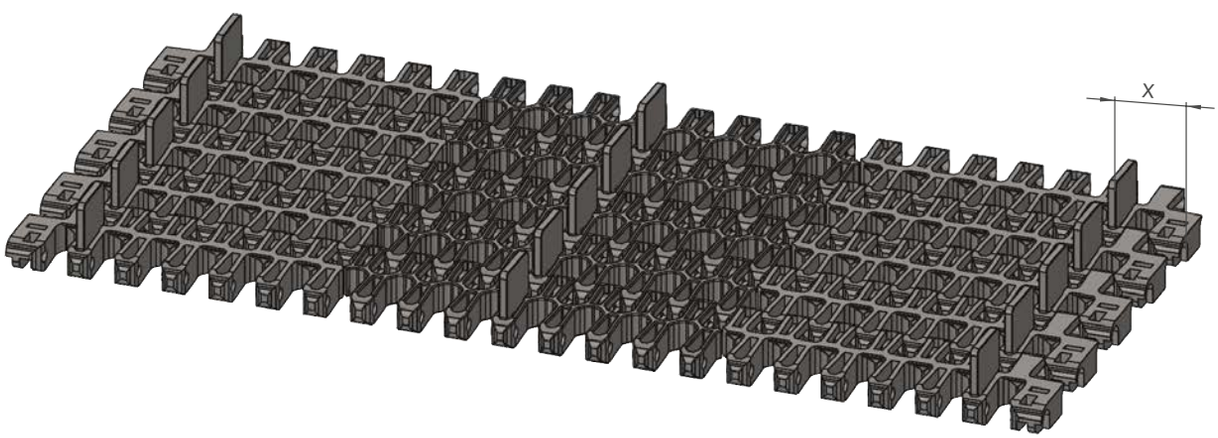
Z8

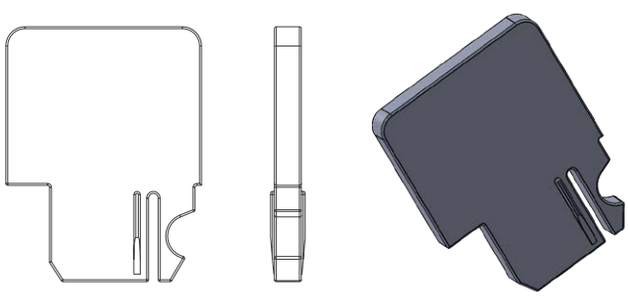


EC508T R Series / Machined Sprockets Dimensions

NO.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	99,7 / **3.92**	127,4 / **5.01**	22,0 / **0.87**	30,0 / **1.18**	40	**1.5**	25-30	**1-1.25**	EC508TRSQZ8*POM	EC508TRSRZ8*POM
Z10	133,6 / **5.26**	160,4 / **6,31**	22,0 / **0.87**	30,0 / **1.18**	40	**1.5**	25-30	**1-1.25**	EC508TRSQZ10*POM	EC508TRSRZ10*POM
Z12	167,0 / **6.58**	193,27 / **7.61**	22,0 / **0.87**	30,0 / **1.18**	40	**1.5**	25-30	**1-1.25**	EC508TRSQZ12*POM	EC508TRSRZ12*POM

*All required sprockets produced by CNC.
*Other sprockets and hub sizes are manufactured up to request.
*POM (Acetal) and PA (Polyamide) sprockets raw material is available on request.
***Machined Split Sprockets are avaliable for each size.**



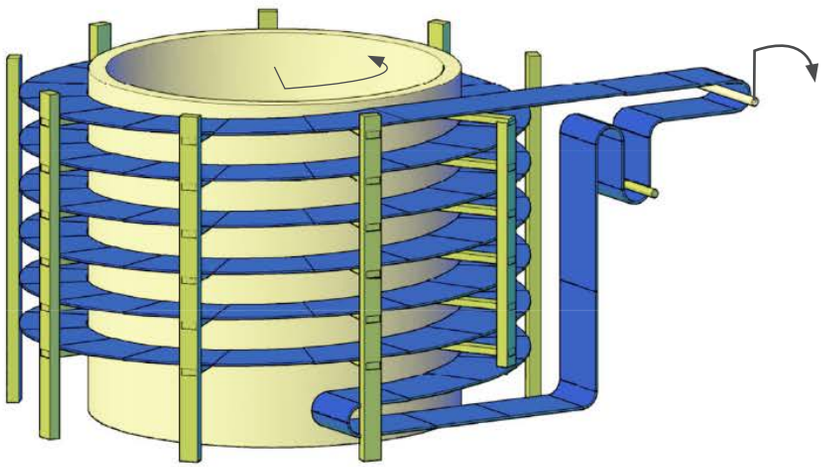


EC508T R Series / Divider Technical Specifications

Divider Indents	X	
	mm	**inch**
Standard	35,9	**1.41**
Standard	61,3	**2.41**
Standard	86,7	**3.41**
Standard	112,1	**4.41**

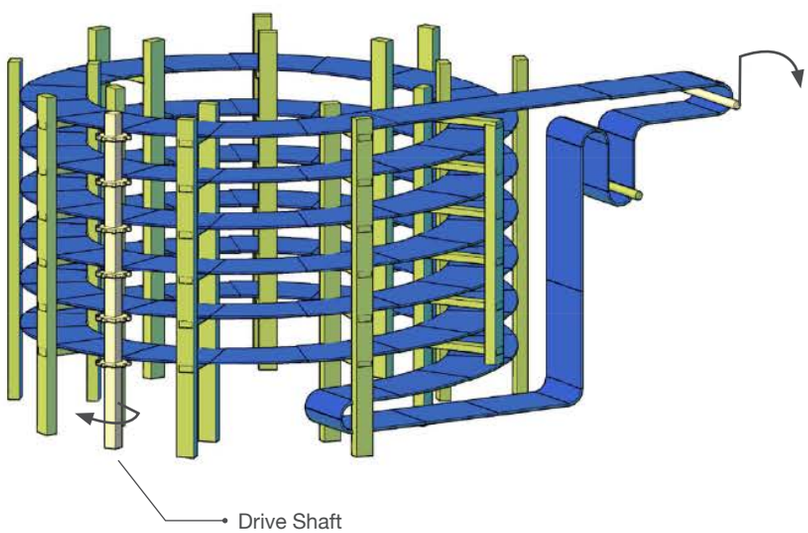
EC508T R Series / Drum Types

Central Driver Drum



Spiral conveyor of this kind is made of modular belt that twisted around of special drum structure in the center. The belt is sliding on rails with plastic profile with low friction. The rails are fixed on external vertical support columns. The drive drum has a cylindrical shape and made of profiled pipes or plates, forming a continuous or rarefied surface.

Lateral Driver Drum

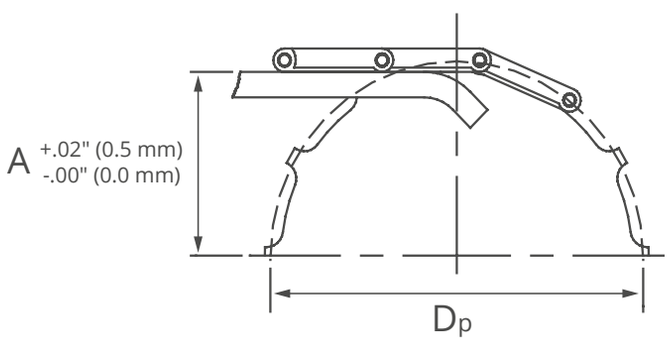


Lateral drive system has been implemented as a stainless steel structure with a gear motor located in a bottom part and connected with a vertical shaft that has driving sprockets, the number of which equals the number of tiers on the spiral conveyor. Belt received the teeth on the outer contour and through which carried out the movement from the sprockets, thus forming a multilevel gear transmission.

Wear Strip Placement Calculation
This formula is a general guideline and does not take into consideration belts traveling at speeds greater than 75 ft/min. (23 m/minute). For high speed applications, Modutech recommends increasing the height of “A” and shortening the wear strips as much as one belt pitch in length.

A = ½ x (Dp – BT)

A = Calculated Height
Dp = Sprocket Pitch Diameter
BT = Belt Thickness



EC508T R Series
Technical Specification

EC508T R Series / Wear Strip Placement

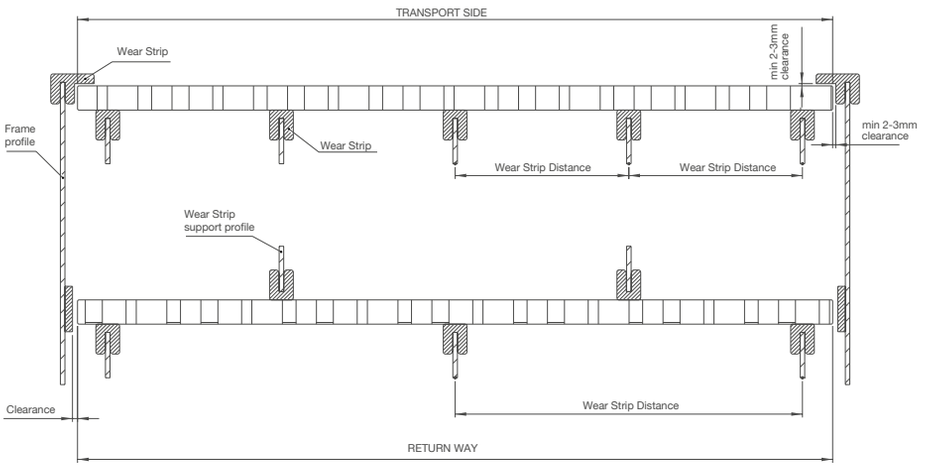
Due to the strength and rigidity of the stainless steel pins the number of wear strip can be largely reduced compared to other belts with plastic pin.

The wear strip distance is based on the product weight and how is distributed on the belt. a range between 250 and 400 mm is covering most of the case. on the return path the guides can be spaced up 1 meter apart.

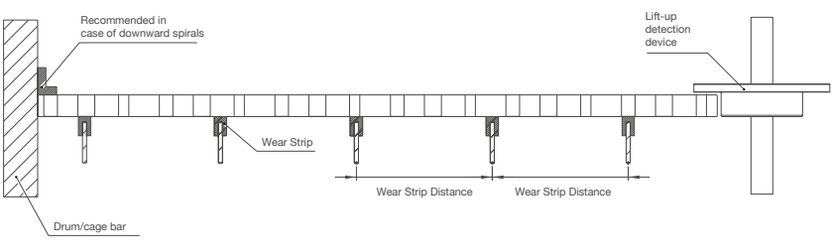
Due to excellent belt width tolerance the lateral gap between belt and guides can be few mm, anyhow it is important to keep into firm consideration the thermal dilatation of the belt that corresponds exactly to the dilatation of the stainless steel pin.

Note: Please contact with your sales representative for suitable wear strip types and location for spiral towers.

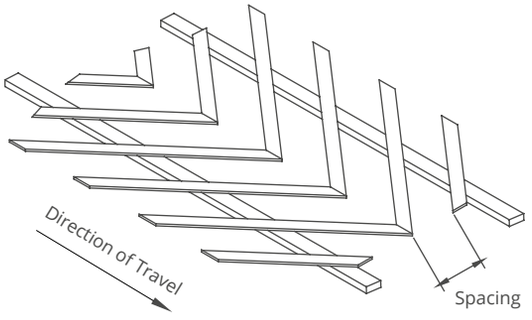
Radius Application

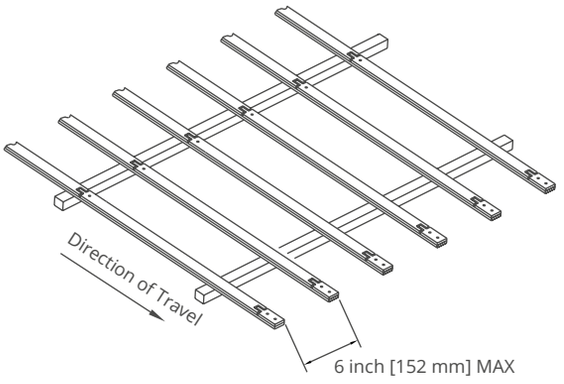


Spiral Application



EC508T R Series / Support





Herringbone rails: Modutech recommended. Flat wear strips in a “V” configuration with the point of the “V” pointing in the direction of travel. Low friction wear strip material preferred to minimize belt wear. Recommended spacing between rails of 100–300mm depending on belt type, load, and other factors. This configuration distributes the wear over the entire belt width.

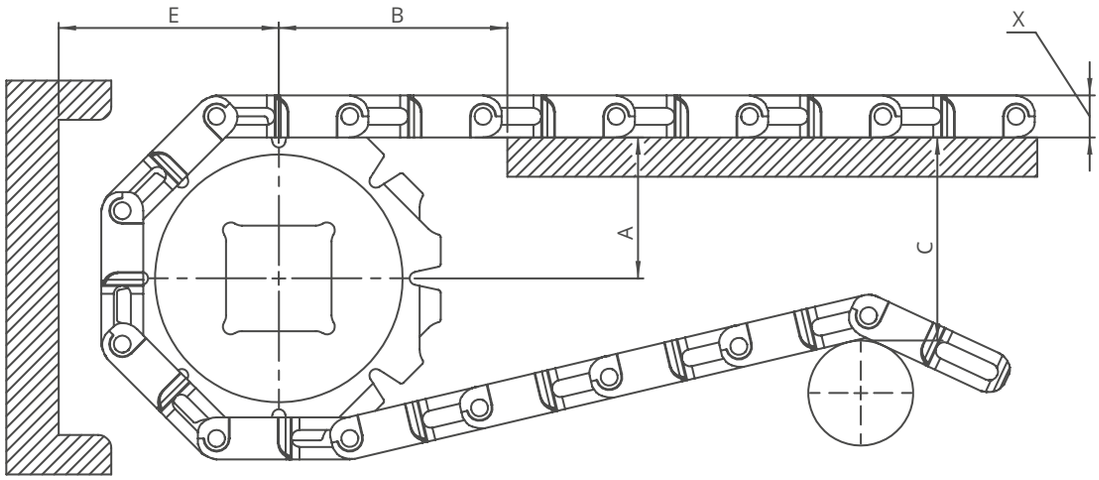
Longitudinal Rails: Flat wear strips the full length of the conveyor, parallel to each other and perpendicular to the terminal shafts. Low friction wear strip material preferred to minimize belt wear. Recommended spacing between rails of 100-300mm depending on belt type, load, and other factors. This configuration does not distribute wear over the full width of the belt.

MODUTECH®

EC508T R Series

Engineering Information

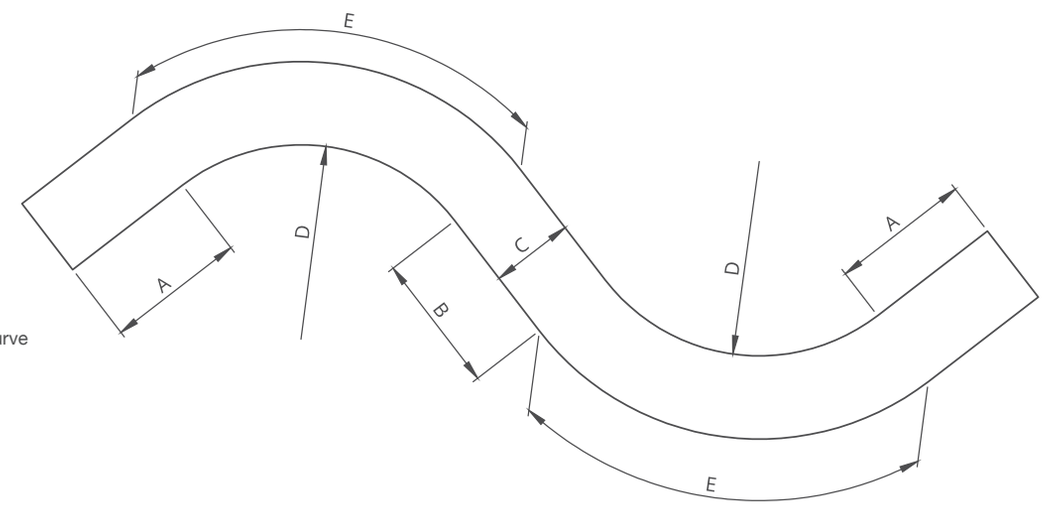
A - ± 0,031" (1mm)
B - ± 0,125" (3mm)
C - ± (Max.)
E - ± (Min.)



EC508T R Series / Conveyor Frame Dimensions

Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)									
inch	mm		**inch**	mm	**inch**	mm	**inch**	mm	**inch**	mm	**inch**	mm
EC508T R												
4.52	114,8	8	**2.36**	60,1	**1.85**	47,0	**4.47**	113,5	**3.36**	85,4	**0.63**	16,0
5.81	147,5	10	**2.96**	75,1	**2.31**	58,7	**5.85**	141,8	**4.01**	101,8	**0.63**	16,0
7.09	180,2	12	**3.55**	90,1	**2.77**	70,5	**6.70**	170,2	**4.65**	118,1	**0.63**	16,0

Radius Belt Example 90° S-Curve



EC508T R Series / Radius Belt Calculation

A: Straight run pull and n = Belt width
B: Straight run between 2 curves = min. 2 x belt width
C: Belt width
D: Minimum inner radius
E: Curve length

$$\textbf{Collapse Factor} = \frac{\text{Min. inner radius}}{\text{Belt width}}$$

Minimum inner radius = Collapse Factor x Belt width

CALCULATION EXAMPLE

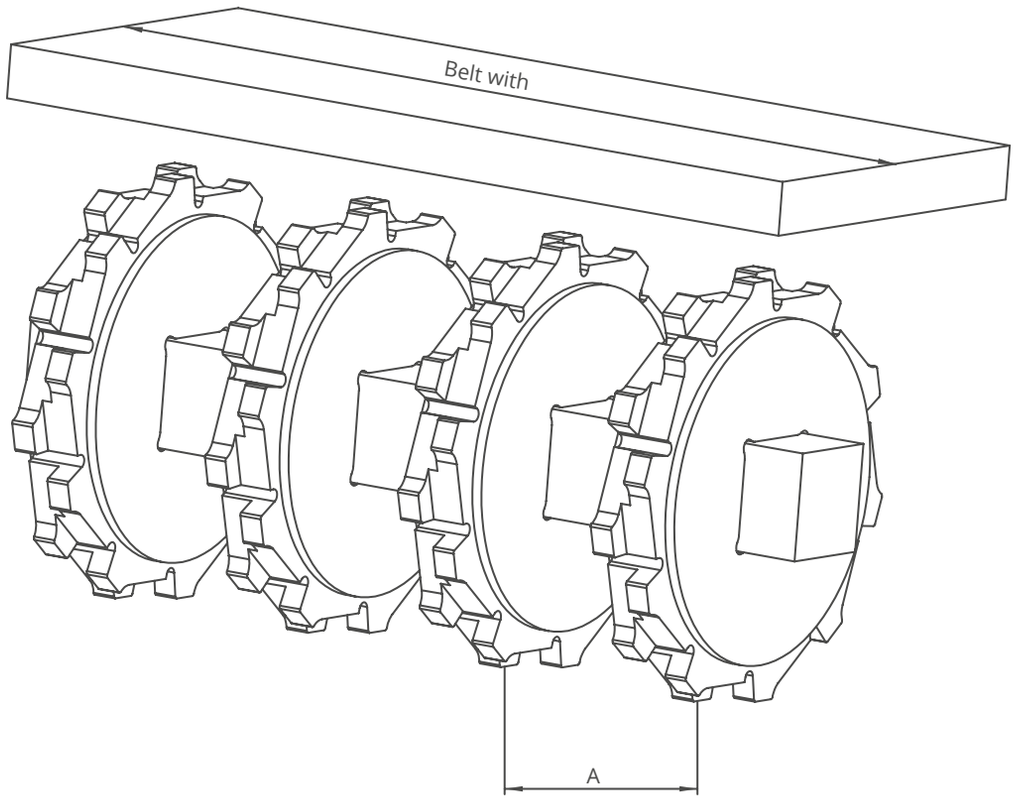
Belt width: 762 mm Radius Belt
Collapse Factor: 1.53

D: 762 mm x 1.53 = 1166 mm
A: 762 mm
B: 2 x 762 mm = 1524 mm (min.)
E: $\frac{2 \times (C+D) \times 3.14}{4}$ = 3027 mm

Total length = (2 x A) + B + (2 x E)

EC508T R Series
Engineering Information

MODUTECH



EC508T R Series / Sprockets Arrangement

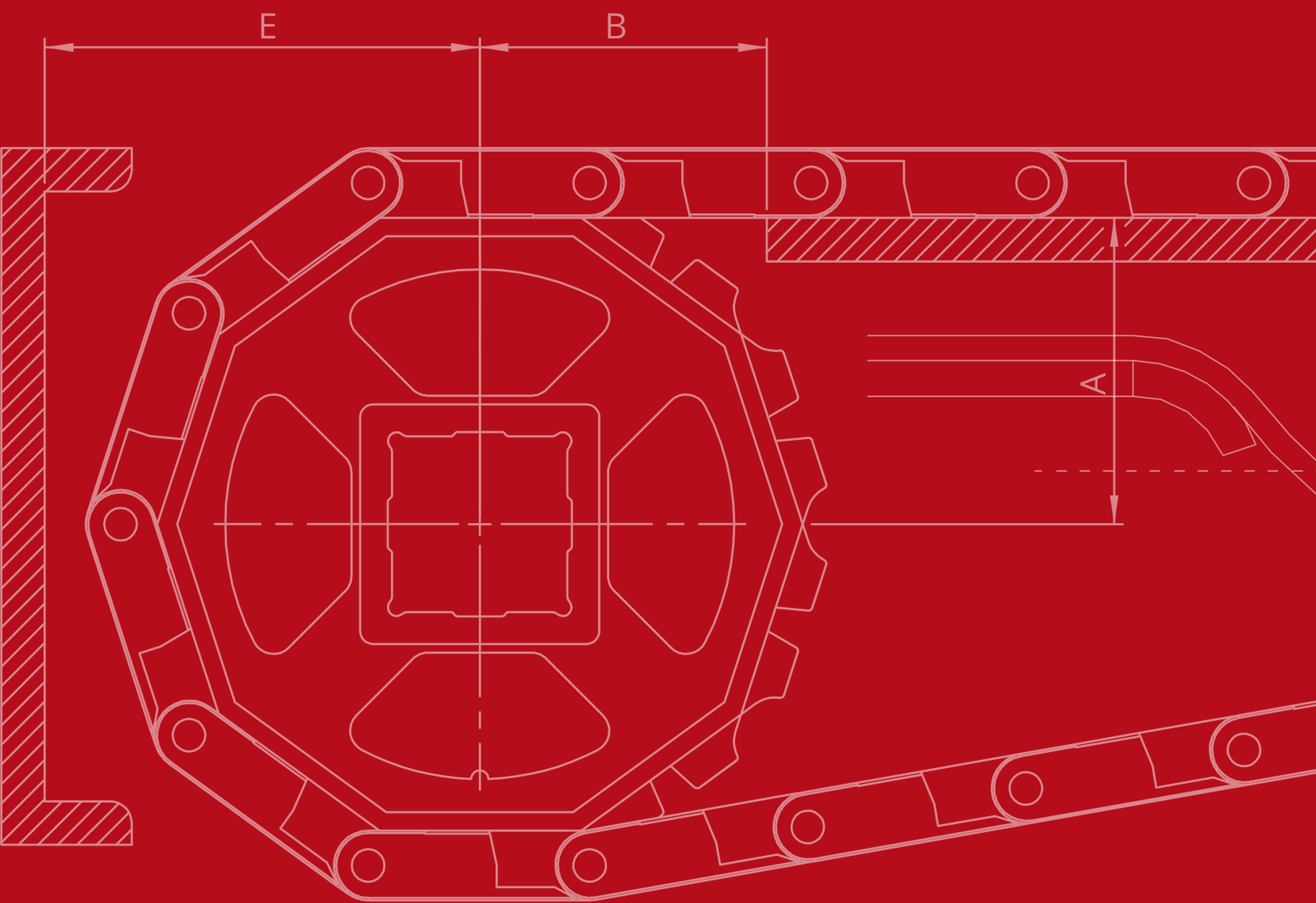
Standard Belt Width		Number of sprockets per shaft		A (mm/**inch**)	
mm	**inch**	Drive Shaft	Return Shaft	Min.	Max.
508,0	**20.0**	6	5	50/**2**	120/**4.7**
558,8	**22.0**	7	6	50/**2**	120/**4.7**
609,6	**24.0**	8	7	50/**2**	120/**4.7**
660,4	**26.0**	8	7	50/**2**	120/**4.7**
711,2	**28.0**	9	8	50/**2**	120/**4.7**
762,0	**30.0**	10	9	50/**2**	120/**4.7**
812,8	**32.0**	10	9	50/**2**	120/**4.7**
863,6	**34.0**	11	10	50/**2**	120/**4.7**
914,4	**36.0**	11	10	50/**2**	120/**4.7**
965,2	**38.0**	12	11	50/**2**	120/**4.7**
1016,0	**40.0**	13	12	50/**2**	120/**4.7**
1066,8	**42.0**	13	12	50/**2**	120/**4.7**
1117,6	**44.0**	14	13	50/**2**	120/**4.7**
1168,4	**46.0**	15	14	50/**2**	120/**4.7**

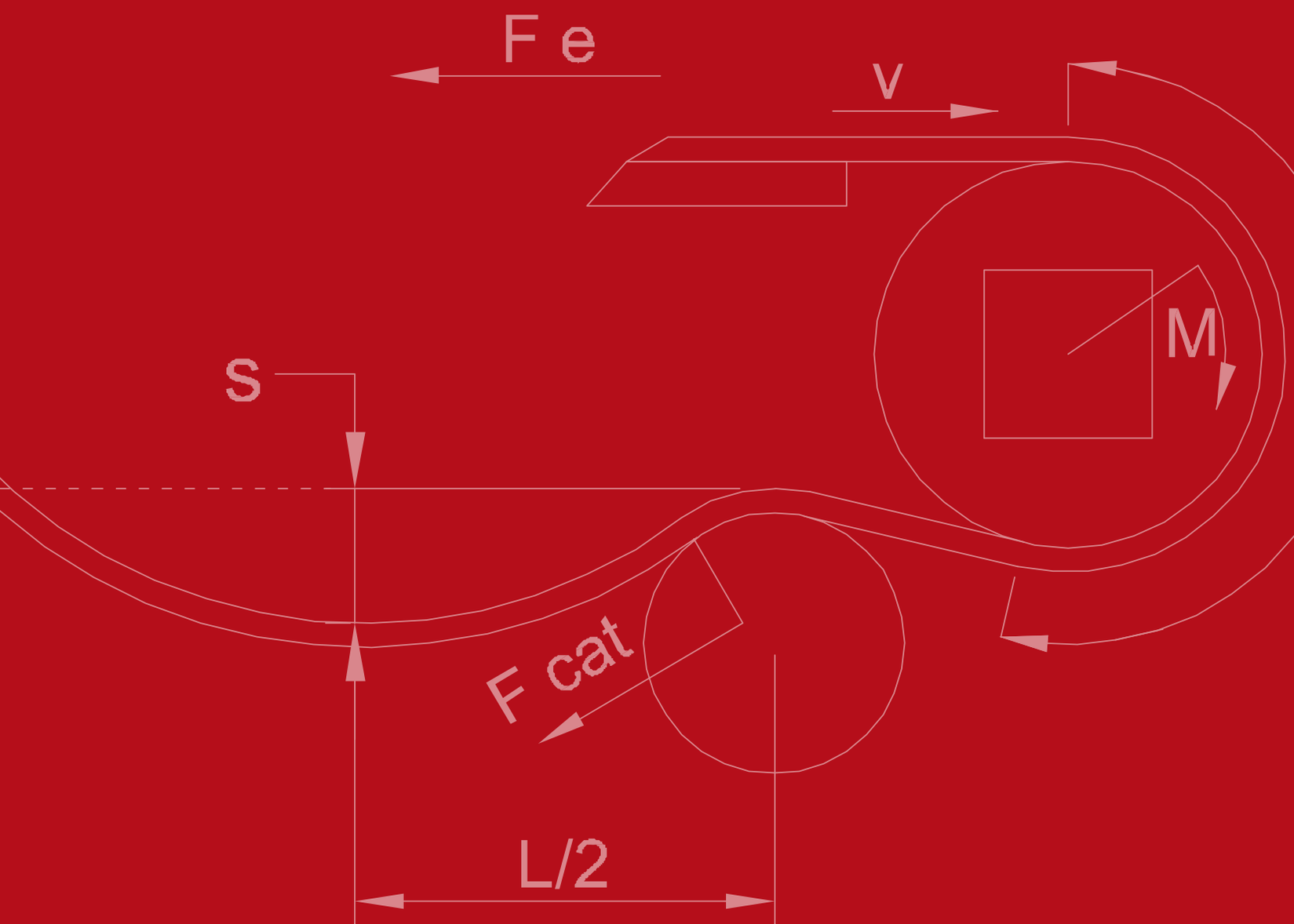
Note: Number of sprockets depends on the belt load.

EC508T R Series / Collapse Factors per width for EC508T R Series

Nom. Belt Width (mm)	355,6	406,4	457,2	508,0	558,8	609,6	660,4	711,2	762,0	812,8	863,6	914,4	965,2	1016,0	1066,8	1117,6	1168,4	1219,2	1270,0	1320,8
Nom. Belt Width **(inch)**	**14.0**	**16.0**	**18.0**	**20.0**	**22.0**	**24.0**	**26.0**	**28.0**	**30.0**	**32.0**	**34.0**	**36.0**	**38.0**	**40.0**	**42.0**	**44.0**	**46.0**	**48.0**	**50.0**	**52.0**
Collapse Factor	1,49	1,49	1,49	1,49	1,50	1,51	1,52	1,53	1,53	1,54	1,54	1,55	1,56	1,56	1,57	1,57	1,58	1,60	1,62	1,63
Min. Inner Radius (mm)	529,8	605,5	681,2	756,9	838,2	920,5	1003,8	1088,1	1165,9	1251,7	1329,9	1417,3	1505,7	1585,0	1674,9	1754,6	1846,1	1950,7	2057,4	2152,9
Min. Inner Radius **(inch)**	**20.9**	**23.8**	**26.8**	**29.8**	**33.0**	**36.2**	**39.5**	**42.8**	**45.9**	**49.3**	**52.4**	**55.8**	**59.3**	**62.4**	**65.9**	**69.1**	**72.7**	**76.8**	**81.0**	**84.8**

Standard range of belt width and collapse factor (Min. Inner radius = Collapse factor x Standard belt width)


E
B
A



Engineering Guide

All Products

BELT CODE	Bakery	Meat	Poultry	Seafood	Fruit & Vegetables	Snackfood	Beverage & Bottling	Can Manufacturing	Tire Manufacturing	Automotive	Corrugated Cardboard	Packaging	Printing & Paper	Material Handling	Textile	Postal	Intralogistics	Spiral Applications *Freezing,Proofing & Cooling*
MP80 C	*	*	*	*								*						
MP80 FG	*	*	*	*								*						
MP80 NS	*	*	*	*								*						
MP80 NP	*	*	*	*								*						
EC127 C	*	*	*	*	*	*	*	*	*		*	*	*	*				
EC127 FG	*	*		*	*	*	*	*			*	*		*				
EC127 GT	*	*	*	*	*	*	*	*				*	*	*		*		
MD127 GAP50%	*			*	*										*			
HC127 C		*	*		*	*												
SM127 C	*	*		*	*		*	*	*		*							
SM127 FG	*	*	*	*	*		*	*			*		*					
SM127 CRV	*	*	*	*	*	*						*						
XP254 CR							*				*			*		*	*	
XP254 FLT-CR							*	*		*	*	*		*		*	*	
XP254 C	*	*	*	*	*	*	*	*	*	*		*	*	*				
XP254 PR22%		*		*	*	*									*			
XP254 FG			*	*	*	*			*						*			
XP254 GT						*			*	*		*	*	*		*	*	
XP254 BT							*	*	*		*	*		*		*	*	
EC254 C		*	*		*	*												
EC254 GT	*	*	*	*	*	*						*	*	*				
EC254 PR16%					*													
EC254 NT		*	*		*													
HD254 C						*	*	*	*	*	*	*		*	*			
MD254 FG	*	*	*	*	*	*	*	*	*			*		*	*			
MD254 FG-RT												*		*		*	*	
MD254 C	*	*	*	*	*	*	*	*				*	*	*				
MD254 C-RT							*	*				*		*		*	*	
MD254 GT	*	*	*	*	*	*	*					*		*			*	
MD254 RR					*		*	*										
MD254 GAP48%	*			*	*											*		
MD254 GAP48%-EHT												*						
HC508 C-MTW		*	*	*														
EC508 C		*	*	*	*	*						*		*				
EC508 C-RT												*		*		*	*	
EC508 GT												*		*				
EC508 PR22%			*	*	*	*						*						
EC508 FG				*	*	*			*			*						
EC508 FG-NT		*	*	*	*	*												
EC508 PR11%					*	*						*						
EC508 PR13%				*	*													
EC508 DT			*	*	*	*												
EC508 NT		*	*	*	*	*												
MD508 C					*	*			*	*						*		
MD508 C-RT									*	*	*	*		*	*	*	*	
MD508 FG					*	*												
MD508 FG-RT									*	*	*	*		*	*	*	*	
MD508 PR25%					*	*												
MD508 NS									*	*				*				
HP508 RR					*		*	*				*			*			
HP508 FG										*								
HP508 C					*		*		*	*	*	*		*				
EC254 R	*	*	*	*	*	*	*	*		*		*		*	*	*	*	*
EC254 R-GT	*	*	*	*	*	*	*	*		*		*		*	*	*	*	*
EC254T-R	*	*	*	*	*	*	*	*		*		*		*	*	*	*	*
EC381 R	*	*	*	*	*	*	*	*		*		*		*	*	*	*	*
EC508T-R	*	*	*	*	*	*	*	*		*		*		*	*	*	*	*

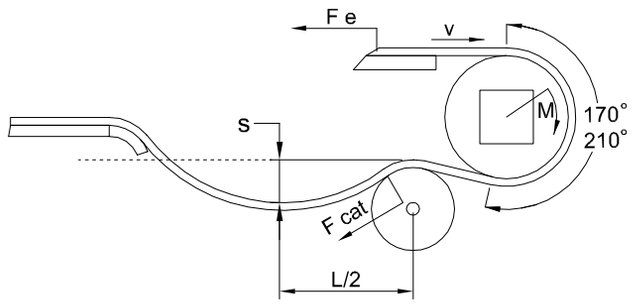
BELT RAW MATERIAL / PINS RAW MATERIAL COMBINATION

Applications		Belt Modules	Pins
Standart	General Use Dry	PP	PP - POM - PA or PBT
	General Use Wet	PP	POM - PP or PBT
	Chemical Resistance	PP	PP or PBT
	Low Temperature	PE	PE - POM or PBT
	Low Temperature	POM	PE - POM or PBT
	High Load Dry	POM	PA or PBT
High Temperature	High Load Dry	POM	PA or PBT
	Wet 55 to 108 °C	PPH (special)	PPH (Special) / Steel or PBT
	Temperature up to 180 °C	PA	PA / Steel or PBT
Abrasive Conditions	Dry	POM	PA or PBT
	Wet up to 55 °C	PP	POM or PBT

STANDARD BELT MATERIALS WITH MODUTECH CODE				
Material	Description	Code	Food Approved	Temperature
Polypropylene	- Standard material for the most common conveying applications. - Excellent chemical resistance.	PP	FDA - EU	+5 °C to +105 °C
Polyethylene	- Excellent chemical resistance. - Well suited for very low temperature with good impact resistance. - Not suitable for abrasive conditions.	PE	FDA - EU	-70 °C to +65 °C
Polyacetal	- Good strength and low coefficient of friction. - Not suitable for chemical environment. - Suitable for heavy duty applications.	POM	FDA - EU	Dry Conditions -40 °C to +93 °C Wet Conditions -40 °C to +60 °C

STANDARD BELT RAW MATERIALS WITH MODUTECH CODE				
Material	Description	Code	Food Approved	Temperature
Polyamide6	- High strength and abrasion resistance. - Suitable for heavy duty applications. - Not suitable for wet conditions.	PA6	FDA - EU	Dry Conditions -35 °C to +120 °C Wet Conditions Not Recomended
Polyamide6.6	- Better strength and abrasion resistance. - Suitable for heavy duty applications. - Not suitable for wet conditions.	PA6.6	FDA - EU	Dry Conditions -35 °C to +120 °C Wet Conditions Not Recomended
Antistatic Polyacetal	- Reduced electrical surface to reduce belt charge up and dust accumulation. - Suitable forheavy duty applications and low temperature.	POM	-	Dry Conditions -40 °C to +93 °C Wet Conditions -40 °C to +60 °C
Detectable Polyacetal	- Polyacetal with a special additive, which makes the material very well detectable for X-ray and metal detectors.	POM	FDA - EU	Dry Conditions -38 °C to +90 °C
Detectable Polypropylene	- Polypropylene with a special additive, which makes the material very well detectable for X-ray and metal detectors.	PP	FDA - EU	+5 °C to +105 °C
Hot Water Resistant Polypropylene	- Polypropylene with a special additive to improved temperature resistance. - Suitable for wet conditions.	PPH	FDA - EU	+5 °C to +115 °C
Low Friction Acetal	- Better strength and low coefficient of friction. - Not suitable for chemical environment. - Suitable for heavy duty applications.	POM LF	FDA - EU	Dry Conditions -40 °C to +93 °C Wet Conditions -40 °C to +60 °C
High Performance Acetal (PBT)	- Extra wear resistance, strength and, low coefficient of friction. - Not suitable for chemical environment. - Suitable for heavy duty applications.	POM HP	FDA - EU	Dry Conditions -40 °C to +120 °C Wet Conditions -40 °C to +50 °C
Extra High Temperature (EHT)	- Excellent heat resistance. - Suitable for light-medium duty applications at elevated temperatures.	PA EHT	-	Dry Conditions +4 °C to +210 °C Wet Conditions No Request
Flame retardant Polypropylene	- Flame retardant thermoplastic material for low-flammability. - High impacts below 10 °C must be avoided.	PP FR	-	+5 °C to +105 °C
Electrically conductive Polyoxymethylene (Acetal)	- Low electrical surface and volume resistance. - Electrical surface resistivity (ρs) below 50'000 Ohm/sq. - High strength and low coefficient of friction. - Suitable for heavy duty applications and low temperatures.	POM EC	-	Dry Conditions -40 °C to +93 °C Wet Conditions No Request
Impact and cut resistant Polyoxymethylene (Acetal)	- Advanced impact and cut resistant surface. - Suitable for meat cutting conveyors and high impact applications. - Good chemical resistance to oil and alkalines, but not suitable for long-term contact with high concentration of acids and chlorine.	POM ICR	FDA - EU	Dry Conditions -40 °C to +93 °C Wet Conditions -40 °C to +60 °C

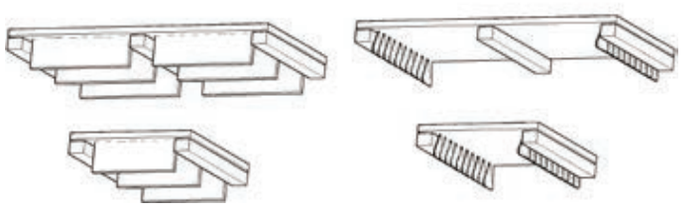
By its construction, the modular belt length varies according to various factors such as tension, temperature and wear.
It is therefore not possible to apply tension to the belt by stretching it between fixed shafts.
Belt tension on the drive sprocket is necessary to avoid the belt jumping on the sprocket itself. This tension is obtained by leaving a portion of belt suspended immediately after the sprocket.
This belt portion forms a dip that in addition to providing the return tension (Fcat) also allows the recovery of belt elongation between sections.
Values "L" and "S" determine the value of Fcat. Values of "S" too small or "L" too large lead to excessive belt tension.
The belt weight and the geometry of the dip determine Fcat. It is also important to ensure that the wrapping angle of the belt on the sprocket is between 170° and 210°.



For a correct belt tension that optimizes the belt wear and tear it is important to verify that the "L" and "S" dimensions are in the following range. The return path of the belt may be supported in different ways or not supported, depending on the belt length.

S Range Suggested Values (mm)					
L (m)	Belt Weight (Kg/m²)				
-	4	8	10	12	14
0,9	20-40	25-60	30-70	40-90	50-100
1,1	25-50	40-90	50-100	60-120	70-130
1,3	30-70	50-100	60-120	70-150	80-160

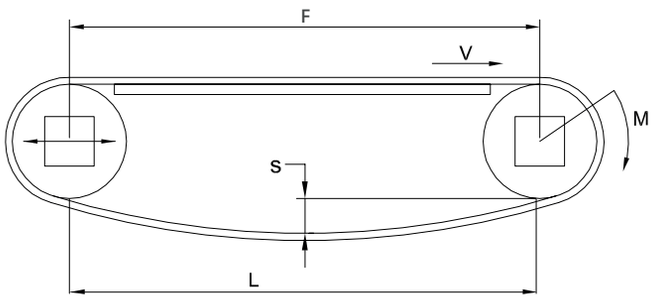
If the belt has guides, it may be necessary to have an indent for the guides in the return path (if it is needed: **F** over 2 m). In case of particularly wide strips, it is appropriate to provide the interruption of the flights also in the central part to allow the belt suspension with a further guide.



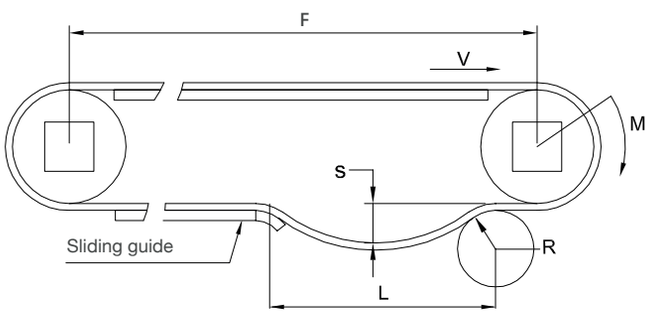
"R" minimum in (mm)	127 Series	254 Series	508 Series
Max. belt width not supported	800	1000	1000

Horizontal Conveyors

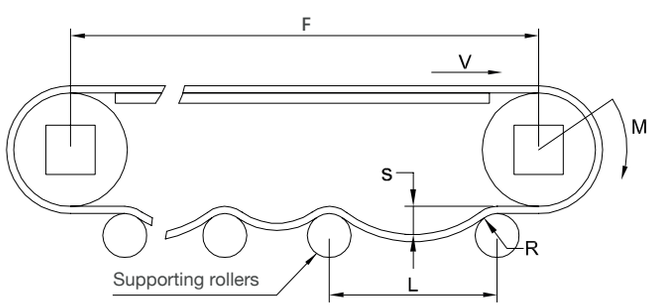
Case of maximum center distance F 2 meters.



Case of center distance **F** between 2 - 4 meters.



Case of center distance **F** over 4 meters (if over 20 meters it is suggested a gravity tensioner device after the drive shaft since the belt length variation can be too large to guarantee a correct dip amount.



"R" minimum in (mm)		
Belt Series	Belt with flights	Belt without flights
127 Series	25	120
254 Series	25	150
508 Series	50	200

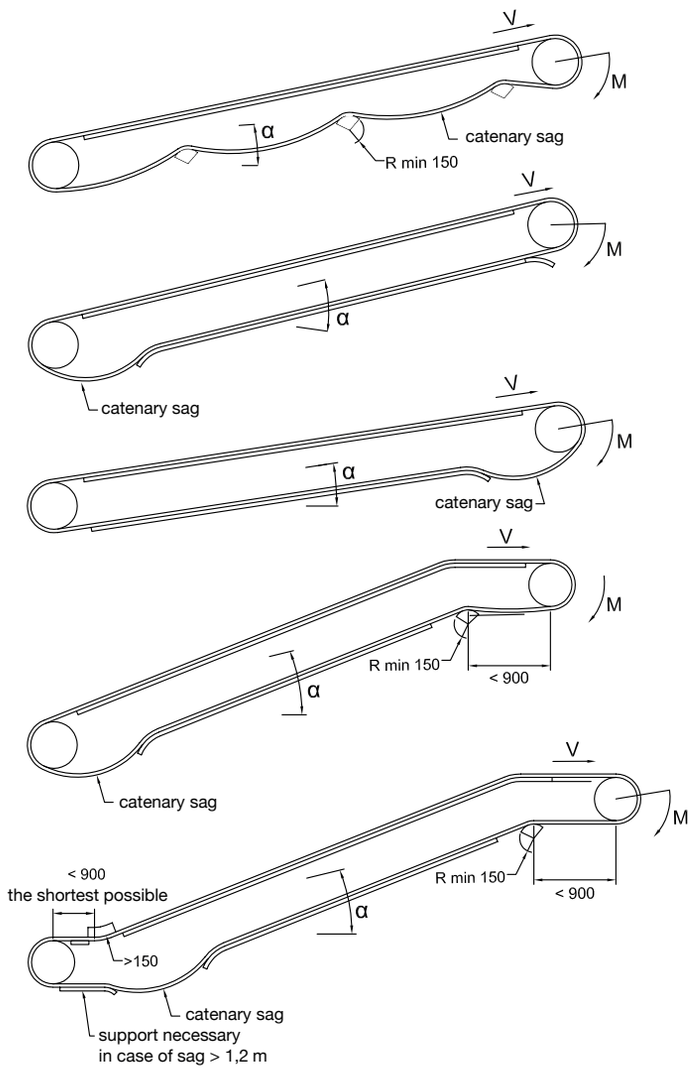
(*) 900<L<1200 mm

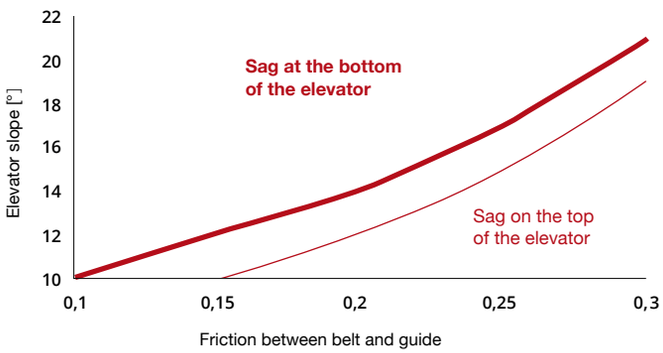
It is recommended that the distances between the supporting rollers vary between

L max and L min.

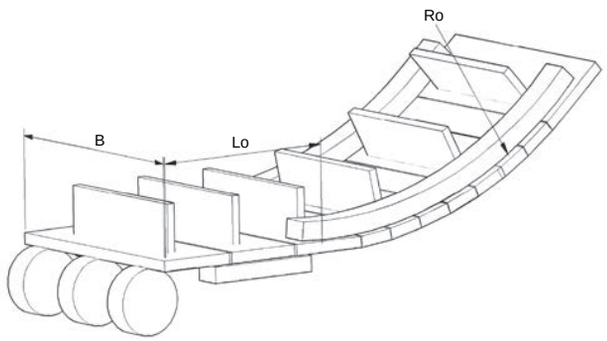
Escalators

For all escalator configurations, the guiding principles are still valid, it is necessary to ensure a minimum tension on the return stroke, a dip sufficient for the belt length variation and able to support the belt on the return stroke.
The position of the dip in most cases should be placed at the base of the escalator, but if the friction of the belt is such that it does not allow it to slide on the return path, the dip will be at the top immediately after the drive shaft.





Frequently, belts with guides are used for escalators. In this case, as with horizontal conveyors, the belt edges must allow space for the guides, and if the width exceeds the width limit values, a central support should also be provided.
In case the belt does have sidewalls, the minimum back bending diameters must be checked. In the case of lifting with back bending closed to the driven shaft, the horizontal section has to be as short as possible.
Additionally, since it is not possible to support the belt in the area of the guide, it is suggested to limit the belt width as shown in the following table:



Series	127 Series				254 Series			
Load	<50%		>50%		<50%		>50%	
Length Lo [mm]	<800	800 - 2000	<800	800 - 2000	<800	800 - 2000	<800	800 - 2000
Width B max [mm]								
Slope <45°	1500	1200	1000	800	1200	1000	800	600
Slope >45°	1050	NR	700	NR	850	NR	550	NR

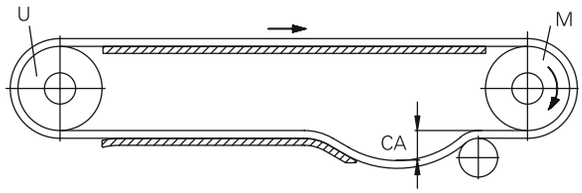
Ro = minimum radius = 150 mm
NR = Not Recommended

Series	508 Series			
Load	<50%		>50%	
Length Lo [mm]	<800	800 - 2000	<800	800 - 2000
Width B max [mm]				
Slope <45°	700	550	500	400
Slope >45°	500	NR	300	NR

Ro = minimum radius = 150 mm
NR = Not Recommended

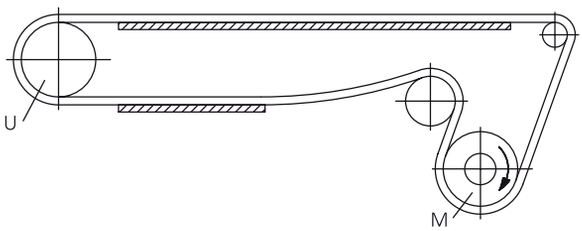
Horizontal conveyors

• **Common drive configuration**
Slider support on return way, or rollers alternatively. For proper sprocket engagement maintain approx. 180° arc of contact.



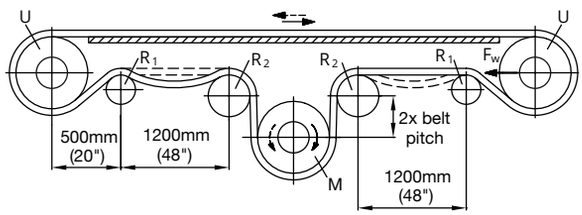
• **Uni-directional drive**
One motor (M) at conveyor end, pull action (driving sprockets are pulling the belt). Catenary sag (CA) only required on drive end.

• **Lower head drive**
For tight transfer with nosebar or with small idling rollers the motor with the drive shaft can be arranged as illustrated.



• **Bi-directional drive**
Two motors (M), one at each conveyor end. Only one motor is pulling, the other motor remains disengaged (clutch). Catenary sag (CA) at both conveyor ends.

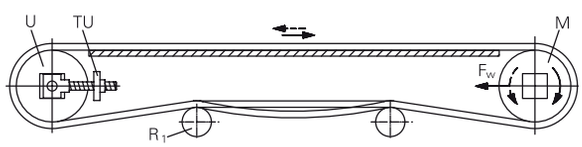
• **Bi-directional center drive**
Only one motor (M) placed in the middle of the belt return. This system works well for bi-directional conveyors. In case of high loads a gravity take-up may be necessary for positive sprocket engagement.
Optional solutions: pneumatic or spring-loaded tensioning device.
Solutions: pneumatic or spring-loaded tensioning device.
Center drives are not recommended for radius applications.



Since the driving force is applied on the return way of the belt, the shaft load will be two times the calculated belt pull:

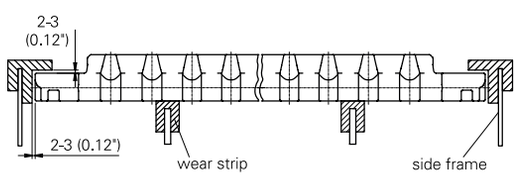
$$F_w = 2 \cdot F'_E$$

Bi-directional conveyor and pusher drive (push/pull action)
It is possible to apply one head drive motor for bi-directional reversible driving.



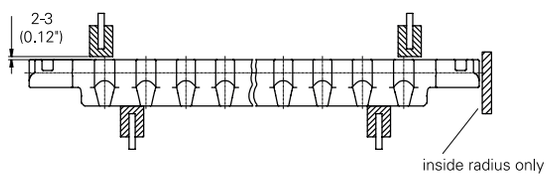
For reverse driving (push action = pusher drive), a screw type take-up (TU), or a spring or a pneumatic tensioning device with 110 % pretension of the expected belt load is recommended. The shaft load will increase to:

$$F_w = 2.2 \cdot F'_E$$



In case of a bi-directional pusher drive with tensioning device, the shaft load can increase to:

$$F_w = 3.2 \cdot F'_E$$

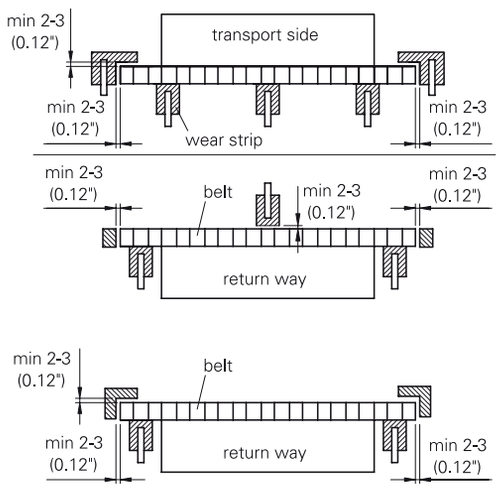


Belt Guiding

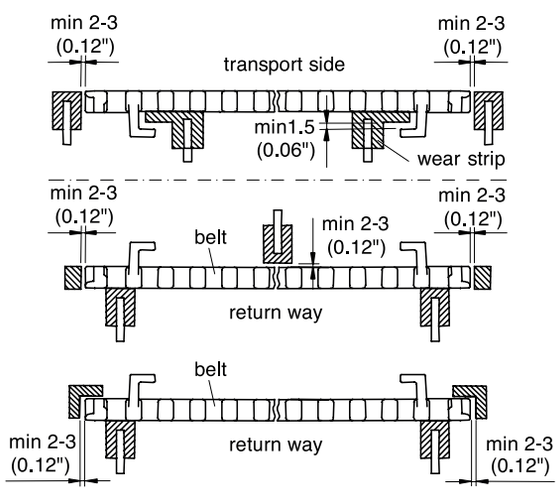
• **Belt guides and hold-down tabs**
Radius belts running around curves are radially pressed against the inner guide rail of the curve. Since the conveyors usually cannot be built at very high geometrical accuracy, the belt may tend to flip over at high loads or angles > 90°. At the inner edge the belt may move upwards while it is radially pressed against the guide rail and slip off.

For this reason hold-down edge guides must be used for the in- and outside guide of a curve. If the product is larger than the belt width or if side transfer over the belt edge is required, hold-down modules or side tabs are used instead of hold-down guides.

• **Standard application (hold-down edge guides)**
If no side transfer is required, L-shaped hold-down edge guides can be used. Respect the min. gap between belt and guides. For safety reasons (danger of injuries at end of profile) it is advisable to apply this profile uninterrupted over the complete belt length. The material used for edge guides needs to be low friction in contact with the particular belt material. Generally, UHMW PE is recommended. On the return way, hold-down tabs are needed as well. An economic solution is shown on the illustration beside. For belts wider 600 mm hold-down edge guides or 2 hold-down tabs near the edges should be used.



Hold-down guides for belt with flights. Belts without flights follow the same design.



CONVEYOR LENGTH - MAXIMUM SPEED	
Conveyor Length	**Max. Speed**
up to 15 m (45 ft)	50 m/min (150 ft/min)
15 m - 25 m (45 - 75 ft)	30 m/min (90 ft/min)
over 25 m (75 ft)	15 m/min (45 ft/min)

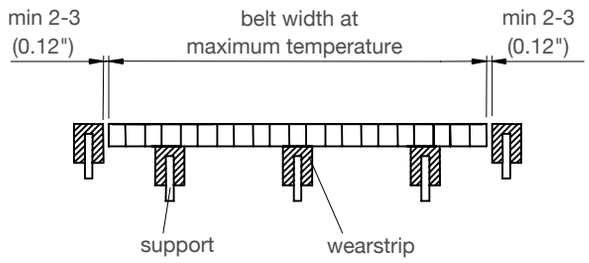
• **Belts for product side transfer**
Belts with hold-down tabs, side tabs or raised deck can be used for all application where products must be moved transversally across the belt edge (side transfer) and in case where the product is wider than the belt itself.

For application with side guards belts with hold-down tabs are conditionally possible and belts with side tabs or raised deck are not applicable.

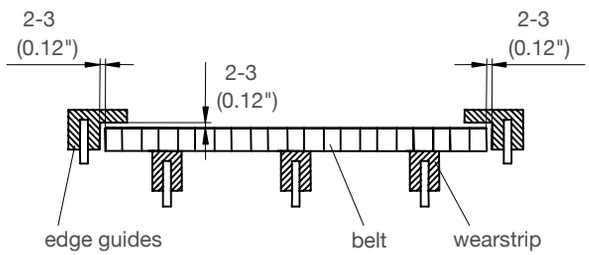
• **Note**
The hold-down or side tabs should not be used for radial guidance or to support (guide) the belt on its return way. They can be worn away too quickly.

• **High speed applications**
For speeds > 40 m/min it is recommended to use prelubricated materials or stainless steel for radius guides. To keep the temperature low, prefer guide material with best possible heat conduction properties (e. g. PA prelubricated or stainless steel).

For straight running belts:



For radius belts:

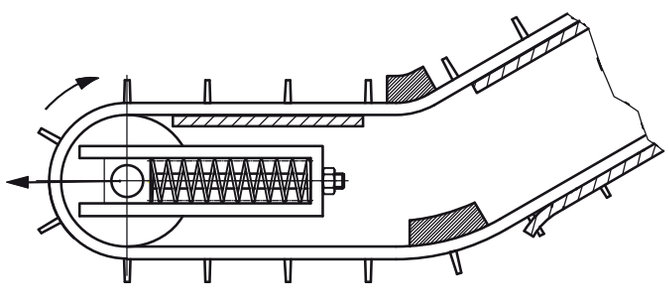


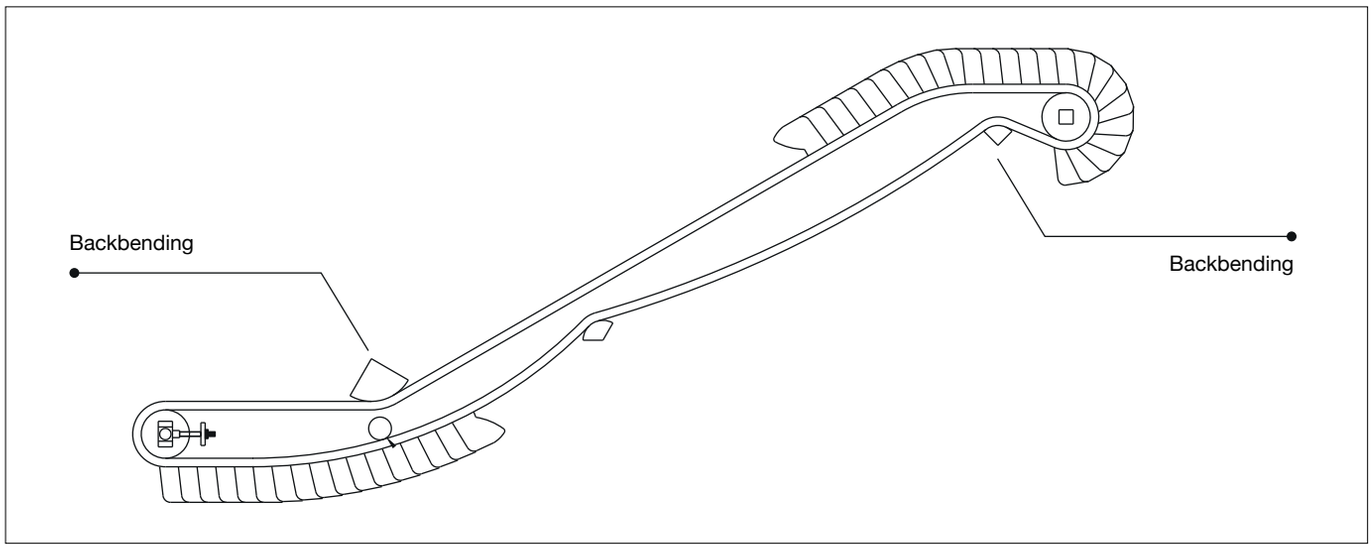
• **Tensioner**
On Z-conveyors catenary sags may not be accepted, neither on the upper nor on the lower horizontal belt section. This may be due to lack of space under the bottom conveyor end or too short horizontal sections. It must be strongly recommended to use a self-adjusting tensioner device.

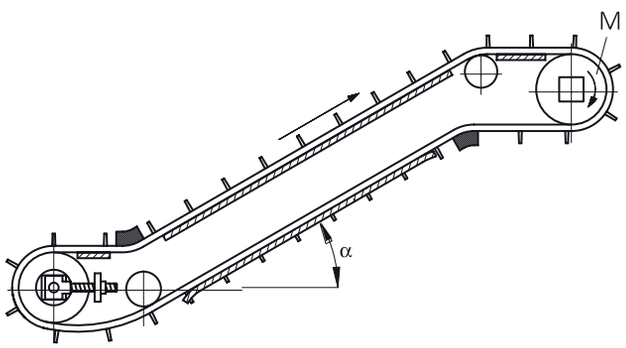
This can be a soft spring type, gas loaded spring or pneumatic tensioner type.
The optimal layout of the spring or pneumatic cylinder is depending on the belt type, conveyor width and temperature conditions. The minimum free movement of the tensioner must be min. 20% more than the calculated belt elongation between lowest and highest process temperature. The belt elongation due to abrasion should also be considered.

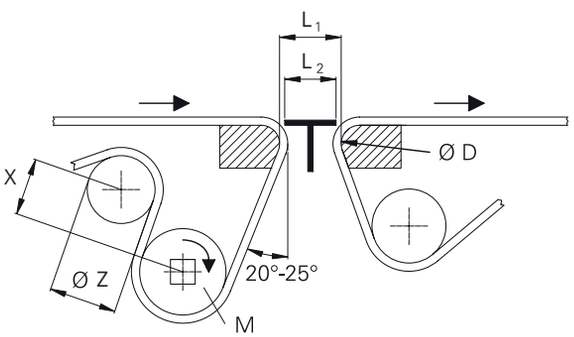
The force should be as low as possible, but high enough to overcome eventual friction forces of the belt on its return way, to straighten it and to engage the sprockets safely. As a general rule the following tensioner force is proposed:

Belt type	Tensioner force per m(ft) of belt width
127 Series	15 kg / 10 lb
245 Series	15 kg / 10 lb
508 Series	30 kg / 20 lb









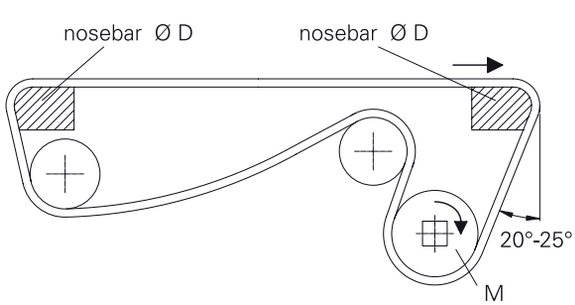
Tight transfer

For 127 Series "pitch, “sliding bars” can be used to minimize space between two belts or between belt and table. The sliding bar can be placed on one or both ends of the belt.

The back bending roller should be larger than the regular roller support.

In this case, it is also important to ensure the presence of the dip and the contact arc on the sprockets.

Series	MP80 Series		HC127 & MD127 Series		EC127 Series	
	mm	inch	mm	inch	mm	inch
Minimal backbending roller diameter Z	50,0	2.0	75,0	3.0	75,0	3.0
Minimal straight belt section X between drive and snub roller	50,0	2.0	50,0	2.0	50,0	2.0
Distance L1 between nosebars	16,0	0.6	22,0	0.9	30,0	1.2
Distance L2 Max. width of transport plate	-	-	16,0	0.6	25,0	1.0
Recomended nosebar diameter D	6,0	0.24	12,7	0.5	18,0	0.7



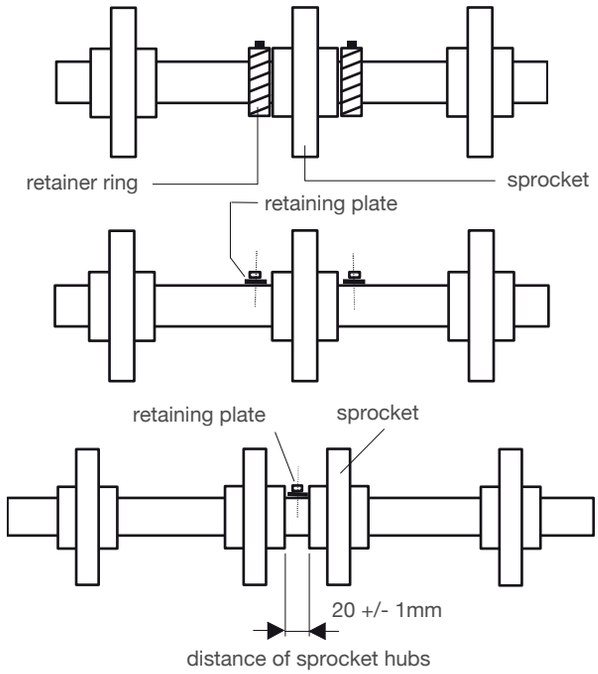
General Sprocket Installation

To allow the belt to expand/contract only the central sprocket on each shaft is fixed. For shafts with 2 sprockets, the sprockets on the drive shaft is fixed.

Different locking methods are possible:

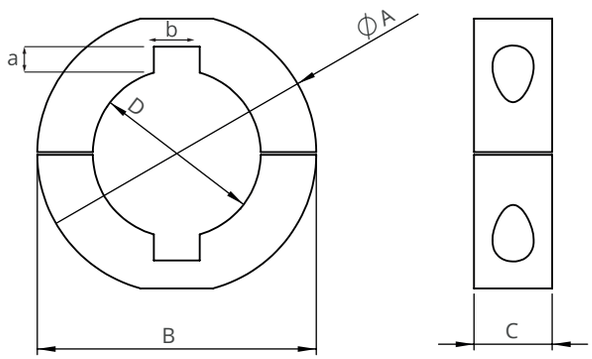
- Set the collars and screws
  Commonly used in round shafts with keyways
- Retainer Rings
  Commonly used in square shafts
- Retaining Plate
  Low cost method for square shafts

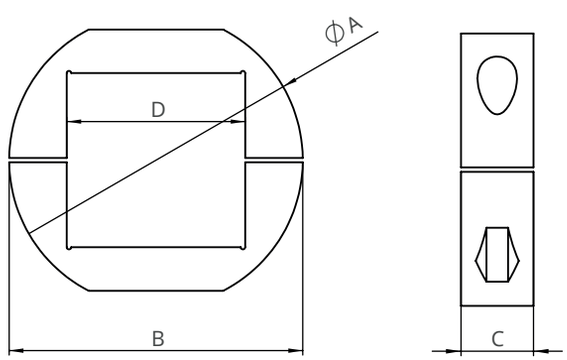
There should be 0.3 mm / 0.01 inch between sprocket and retainer ring. Please be sure all the retainer rings securely fastened.



Metric		Keyway Table									
ØD	mm	20,0	25,0	30,0	35,0	40,0	50,0	60,0	70,0	80,0	90,0
a	mm	2,80	3,30	3,30	3,30	3,30	3,80	4,40	4,90	5,40	5,40
b	mm	6,0	8,0	8,0	10,0	12,0	14,0	18,0	20,0	22,0	25,0

Imperial		Keyway Table									
ØD	inch	0.75	1.0	1.25	1.50	2.0	2.50	2.75	3.25	3.50	4.50
a	inch	0.098	0.130	0.130	0.193	0.256	0.319	0.319	0.370	0.429	0.488
b	inch	0.17	0.25	0.25	0.375	0.5	0.625	0.625	0.75	0.875	1.0





Round Bore Clamp Dimensions			
D	A (mm)	B (mm)	C (mm)
SR20	39,0	39,0	14,0
SR25	44,0	44,0	14,0
SR25,4	44,0	44,0	14,0
SR30	50,0	50,0	14,0
SR31,75	50,0	50,0	14,0

Square Bore Clamp Dimensions			
D	A (mm)	B (mm)	C (mm)
SQ25	51,0	51,0	14,0
SQ25,4	51,0	51,0	14,0
SQ38,1	67,5	67,5	16,0
SQ40	67,5	67,5	16,0
SQ60	100,5	100,5	16,0
SQ63,5	100,5	100,5	16,0

Effective Tensile Force

- **Horizontal straight belt without accumulation**

$$F'_E = (2\,m_B + m_P)\,l_0 \cdot \mu_G \cdot g \text{ [N/m]}$$

- **Horizontal straight belt with accumulation, simplified**

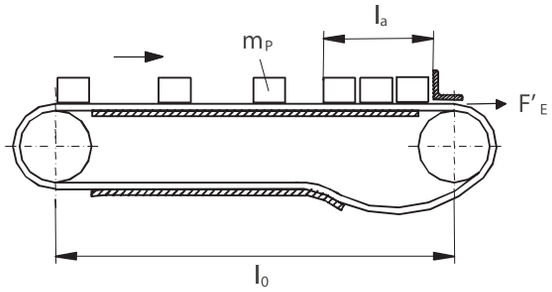
$$F'_E = [(2\,m_B + m_P)\,l_0 \cdot \mu_G + m_P \cdot \mu_P \cdot l_a]\,g \text{ [N/m]}$$

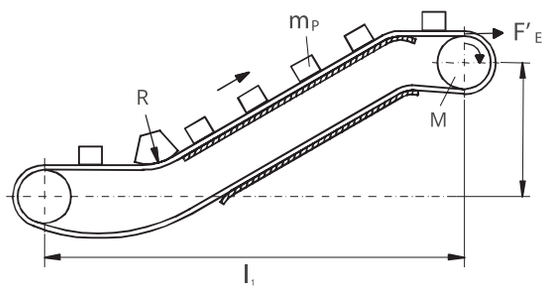
- **Inclined conveyor without accumulation**

$$F'_E = [(2\,m_B + m_P)\,l_1 \cdot \mu_G + m_P \cdot h_0]\,g \text{ [N/m]}$$

- **Inclined conveyor with accumulation, simplified**

$$F'_E = [(2\,m_B + m_P)\,l_1 \cdot \mu_G + m_P \cdot \mu_P \cdot l_a + m_P \cdot h_0]\,g \text{ [N/m]}$$





Further analyses of tensile forces caused by accumulated products above equations with accumulation are based on the simplification that the product load per m² of belt is the same over the accumulation length as when moving with the conveyor. This is generally not the case. In reality the density of the product distribution over the accumulation length l_a will be higher (can be double or 3 times). Since this value will often not be known it is common practice to use the same product load value for product load value for conveying. In this case the above formulas are used. The calculated force is somewhat too low, but normally not critical for straight belts. If the accumulated product load per m² is known, and for more accurate calculation, it is proposed to replace m_p in the term $m_p \cdot \mu_p \cdot l_p$ by m_{pa}

The following formulas result:

- **Horizontal straight belt with accumulation**

$$F'_E = [(2\,m_B + m_P)\,l_0 \cdot \mu_G + m_{Pa} \cdot \mu_P \cdot l_a]\,g \text{ [N/m]}$$

- **Inclined conveyor with accumulation**

$$F'_E = [(2\,m_B + m_P)\,l_1 \cdot \mu_G + m_{Pa} \cdot \mu_P \cdot l_a + m_P \cdot h_0]\,g \text{ [N/m]}$$

F'_E = Effective tensile force [N/m]
m_B = Weight of belt [kg/m²]
m_P = Weight of conveyed product [kg/m²]
m_{Pa} = Weight of accumulated product [kg/m²]
μ_G = Coefficient of friction belt to slider support
μ_P = Coefficient of friction belt to product
l_0 = Conveying length [m]
l_a = Length of accumulation [m]
h_0 = Height of elevation [m]
g = Acceleration factor due to gravity (9.81 m/s²)

Effective Tensile Force

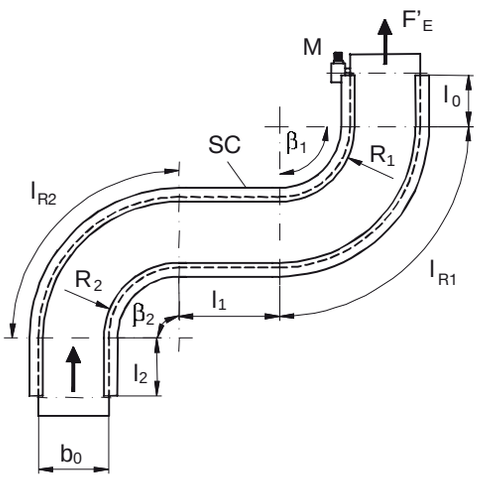
• **Radius belts**
Radius belts have higher friction losses than straight belts due to the radial forces directed to the inside of the curve. It also has to be taken into account, that in the belt curves the tensile forces are not distributed over the edge.

For calculation of radius belts please ask your Modutech® representative.

• **Note**
Due to the concentration of the belt pull (tensile forces) on the outer belt edge at curve end, the applicable number of curves is very limited. In practice 1 to 2 curves are often used. For long radius belts it is advisable to place the curve as near to the idling shaft as possible. This way the belt pull at the outer curve edge is minimized.

• **Nominal strength for radius belts in curve**
The nominal strength for radius belts in curve increases with wider belts (bigger radius). Due to the smaller angle between the modules the forces are distributed on more links. In case of high loads the application of steel rods may be advisable to increase the belt stiffness. Please contact your **Modutech®** representative for detailed information.

Appropriate quality of the conveyor especially smooth and low coefficient of friction inside wear strips and smooth start-up are important. Belt at return way must be properly held down by wear strips or hold-down tabs .



F_{SR} = Absolute tensile force [N]
F'_E = Effective tensile force [N/m]
b_0 = Belt width [m]
c_s = Service factor

FRICTION FACTORS

Friction Factors	Friction between wearstrip and belt material				Friction between product and belt product material (used in backup conditions)				
Belt Material	**UHMW WET *(DRY)***	**HDPE WET *(DRY)***	**NYLATRON WET *(DRY)***	**STEEL (CS & SS) WET *(DRY)***	**GLASS WET *(DRY)***	**STEEL WET *(DRY)***	**PLASTIC WET *(DRY)***	**CARDBOARD WET *(DRY)***	**ALUMINUM WET *(DRY)***
Polypropylene (S)	0.11 ***(0.13)***	0.09 ***(0.11)***	0.24 ***(0.25)***	0.24 ***(0.25)***	0.18 ***(0.19)***	0.26 ***(0.32)***	0.11 ***(0.17)***	— ***(0.21)***	0.40 ***(0.40)***
Polypropylene (A)	NR	NR	0.29 ***(0.30)***	0.29 ***(0.30)***	0.18 ***(0.19)***	0.26 ***(0.32)***	0.11 ***(0.17)***	— ***(0.21)***	0.40 ***(0.40)***
Polyethylene (S)	0.24 ***(0.32)***	NR	0.14 ***(0.13)***	0.14 ***(0.13)***	0.08 ***(0.09)***	0.10 ***(0.13)***	0.08 ***(0.08)***	— ***(0.15)***	0.20 ***(0.24)***
Acetal (S)	0.10 ***(0.10)***	0.09 ***(0.08)***	0.13 ***(0.15)***	0.13 ***(0.15)***	0.13 ***(0.14)***	0.13 ***(0.13)***	0.13 ***(0.16)***	— ***(0.18)***	0.33 ***(0.27)***
EC Acetal (S)	0.10 ***(0.10)***	0.09 ***(0.08)***	0.13 ***(0.15)***	0.13 ***(0.15)***	0.13 ***(0.14)***	0.19 ***(0.20)***	0.13 ***(0.16)***	— ***(0.18)***	0.33 ***(0.27)***
UV Resistant PP	0.11 ***(0.13)***	0.09 ***(0.11)***	0.24 ***(0.25)***	0.24 ***(0.25)***	0.18 ***(0.19)***	0.26 ***(0.32)***	0.11 ***(0.17)***	— ***(0.21)***	0.40 ***(0.40)***

(S) = Smooth, Clean Conditions. (A) = Abrasive, Dirty Conditions. NR = Not Recommended.

a. Friction factor values are highly dependent on environmental conditions. The low value of the friction factor range is an experimentally derived friction factor for new belting on new wearstrip. This value should only be used in the cleanest environments or where water or other lubricating agents are present. Most applications should be adjusted based on the environmental conditions surrounding the conveyor.
b. Friction Factors for friction between product and belt only apply for Flat Top (Closed), Perforated Flat Top, Nub Top, Flush Grid and Raised Rib belts.
c. Polyethylene is not recommended for container handling.

SERVICE FACTORS

Opening condition **Note:** Drive with soft start is recommended and is mandatory for requent start/stops and start-up with full load.	**Standard straight belts**				**Micropitch with nosebar (**)**		**Radius belt curves with 90° (*)**
	Standard head drive	**Lower head drive**	**Pusher drive (uni- and bi-directional)**	**Center drive (uni- and bi-directional)**	**Head Side**	**Both ends**	**Standard head drive and lower head drive**
Start-up prior to loading	1	1.1	1.4	1.2	1.6	2	1.6 (*)
Frequent start/stops during process (more than once per hour)	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2
Z-conveyors inclination <20° hold-down shoes only	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2	+ 0.2
hold-down tabs	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3	+ 0.3
inclination 20°-60° hold-down shoes only	+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.4	+ 0.4
hold-down tabs	+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.6	+ 0.6
inclination 60°-70° hold-down shoes only	+ 1.1	+ 1.1	+ 1.1	+ 1.1	+ 1.1	+ 1.1	+ 1.1
hold-down tabs	+ 1.4	+ 1.4	+ 1.4	+ 1.4	+ 1.4	+ 1.4	+ 1.4
inclination 70°-90° hold-down shoes only	+ 1.8	+ 1.8	+ 1.8	+ 1.8	+ 1.8	+ 1.8	+ 1.8
hold-down tabs	+ 2.2	+ 2.2	+ 2.2	+ 2.2	+ 2.2	+ 2.2	+ 2.2
Speed greater 30 m/min					+ 0.2	+ 0.2	+ 0.2

(*) The radius belt service factor depends on the angle of the curve.
(**) Z-conveyors with nosebar are not recommended.

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Acetic Acid > 5%	✓	✓	✓	✱	✱	X	X	X	✓	✓	✓	X		X		✱	X
Acetic Acid - 5%	✓	✓	✓	✓	✓		✱	X	✓	✓	✓	X		X		✓	✱
Acetone	✓	✓	✓	✓	✱	✱	✓	✓	✓	✓	✓			X		✱	X
Alcohol – all types	✓	✓	✓	✓	✓	✱	✓	✓	✓	✓	✓	X		✱		✓	✱
Aluminum Comp.	✓	✓	✓	✓			✓	✓	✓	✓	✓						
Ammonia	✓	✓	✓	✓	✓	✓	✓	✓	✓	✱	X	✓				✱	X
Ammonia Comp.	✓	✓	✓	✓			✓	✓	✓	✓	✓					✱	X
Aniline	✓	✓	✓	X		✱			✓	✱	X	X				✱	
Aqua Regia	X	X	✓	X			X	X	X								
Arsenic Acid	✓	✓	✓	✓													
Barium Comp.	✓	✓	✓	✓			✓	✓	✓	✓	✓						
Beer	✓	✓	✓	✓	✓							✓					
Benzene	✱	X	✱	X	✱	✱	✓	✓	✓	✱	X	X				✱	X
Benzenesulfonic Acid – 10%	✓	✓	✓	✓					✓	✱	X						
Benzoic Acid	✓	✓	✓	✓			✱	✱	✓	✱	X	✓					
Beverages (soft drinks)	✓	✓	✓	✓	✓	✓	✓	✓									
Borax	✓	✓	✓	✓					✓	✓	✓						
Boric Acid	✓	✓	✓	✓			✓	✓				✓					
Brine – 10%	✓	✓	✓	✓	✓	✓											
Butyl Acrylate	X	X	✓	✱					✓	✓	✓					✓	✱
Butyric Acid	✓		✓	✱			✓	✓	✓			✓					
Carbon Dioxide	✓	✓	✓	✓			✓	✓	✓	✓	✓					✓	✓
Carbon Disulfide	✱	X	✱	X			✓	✓	✓	✓	✓						
Carbon Tetrachloride	✱	X	✱	X	✓	✱	✓	✓	✓	✱	X	X					
Chloracetic Acid	✓	✓					X	X									
Chlorine – Gas	X	X	✱	X	X	X	X	X				X					
Chlorine – Liquid	X	X	X	X	X	X	X	X				X					
Chlorine Water (0.4% Cl)	✓	✱	✓	✱	X	X	X	X	X								
Chlorobenzene	X	X	✱	X	✱	✱	✓	✓	✓	✱	X	X				X	
Chloroform	X	X	X	X	X	X			✓	✱	X					X	
Chromic Acid – 50%	✓	✓	✓	✱	X	X	✱		X			✱					
Chromic Acid – 3%	✓	✓	✓	✓	✱	✱			X							✓	✓
Citric Acid – 40%	✓	✓	✓	✓	✓	X	✓	✓				✓					

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Citric Acid – 10%	✓	✓	✓	✓	✓		✓	✓				✓				✓	
Citrus Juices	✓	✓	✓	✓	✓		✓	✓								✓	
Coconut Oil	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓				✓	✓
Copper Comp.	✓	✓	✓	✓			✱										
Corn Oil	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓					✓	✓
Cottonseed Oil	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓				✓	✓
Cresol	✓	✓	✓	✱			X	X	✓	✱	X	X					
Cyclohexane	✓	✱	X	X			✓		✓	✓	✓	✱					
Cyclohexanol	✓	✱	✱	X			✓		✓	✓	✓	X					
Cyclohexanone	✓	✱	X	X					✓	✓	✓	X					
Detergents	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓		✓		✓	✓
Dextrin	✓	✓	✓	✓													
Dibutyl Phthalate	✓	✱					✓	✓									
Diethyl Ether	X	X	X	X	✱	✱	✓	✓	✓	✓	✓					✓	✱
Diethylamine	✓	✓		X													
Diglycolic Acid – 30%	✓	✓	✓	✓													
Diisooctyl Phthalate	✓	✓															
Dimethyl Phthalate	✓	✓							✓	✱	X						
Dimethylamine	✓						✓	✓									
Dioctyl Phthalate	✓	✱					✓	✓	✓	✱	X						
Ethyl Acetate	✓	✓	✱	✱	✱	X	✓	✓	✓	✓	✓	X		X		✱	X
Ethyl Ether	✱	✱							✓	✓	✓	X					
Ethylamine	✓	✓															
Ethylene Glycol – 50%	✓	✓	✓	✓	✓	✱	✓	✱	✓	✓	✓					✓	✱
Ferric/Ferrous Comp.	✓	✓	✓	✓	✱	X			✓	✓	✓						
Formaldehyde – 37%	✓	✓	✓	✱	✓	✓			✓	✓	✓	X		✱			
Formic Acid – 85%	✓	✱	✓	✓			✱	X	✓	✓	✓	X		X		✱	X
Freon			✓	✓	✱	✱			✓	✱	X						
Fuel Oil # 2	✓	✱	✓	X	✱	✱	✓	✓	✓	✓	✓	✓		X		✓	✓
Fruit Juices	✓	✓	✓	✓	✓		✓					✓				✓	
Furfural	✱	✱	✱	X			✓		✓	✓	✓						
Gasoline	✱	X	✓	X	✓	✓	✓	✓	✓	✓	✓						
Glucose	✓	✓	✓	✓	✓	✓						✓					

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Glycerol	✓	✓					✓	✓				✱		✱		✓	✓
Heptane	X	X	✱	X	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓
Hexane	✓	✱	X	X	✓		✓	✓	✓	✓	✓	✓				✓	✓
Hydrobromic Acid – 50%	✓	✓	✓	✓			X	X	X								
Hydrobromic Acid – 35%	✓	✓	✓	✓	X	X	X	X	X			✱					
Hydrobromic Acid – 10%	✓	✓	✓	✓	X	X	X	X	X			✱		✱		✓	X
Hydrofluoric Acid – 35%	✓	✓	✓	✓	X	X	X	X	X			X				X	
Hydrogen Peroxide – 3%	✓	✓	✓	✓	✓	✓		✱	✱			✱		✓		✓	✱
Hydrogen Peroxide – 90%	✱	✱	✓	✱	✱	X	X	X	X			X				✓	X
Hydrogen Sulfide	✓	✓	✓	✓			✓	✓	✓	✓	✓						
Igepal – 50%	✓	✓			✓	✱											
Iodine – Crystals	✓	✓	✱	✱	X	X	X	X	X			X					
Isooctane	X	X	✓				✓	✓	✓	✓	✓	✓				✓	✓
Isopropyl Alcohol	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X		✱		✓	✱
Jet Fuel	✱	X	✱	✱	✓	✓	✓	✓	✓	✓	✓			X		✓	✓
Kerosene	✱	X	✱	✱	✓	✓			✓	✓	✓	✓		X			
Lactic Acid	✓	✓	✓	✓			✱	X	✓	✓	✓						
Lanolin	✓	✱	✓	✓													
Lauric Acid	✓	✓	✓	✓													
Lead Acetate	✓	✓	✓	✓			✓	✓									
Linseed Oil	✓	✓	✓	✓	✓	✓	✓	✓				✓				✓	✓
Lubricating Oil	✓	✱			✓	✓	✓	✱	✓	✓	✓	✓		X		✓	✓
Magnesium Comp.	✓	✓	✓	✓			✓		✓	✓	✓						
Malic Acid – 50%	✓	✓	✓	✓			✓	✓									
Manganese Sulfate	✓		✓	✓			✱	✱									
Margarine	✓	✓	✓	✓													
Mercury	✓	✓	✓	✓			✓									✓	
Methyl Chloride	✱	✱					✓	✓								X	
Methyl Ethyl Ketone	✓	✱	X	X	✱	✱	✓		✓	✓	✓	X		X		X	X
Methyl Isobut. Ketone	✓	✱							✓	✓	✓						
Methylsulfuric Acid	✓	✓	✓	✓													
Methylene Chloride	✱	X	X	X			✱	✱	✓	✱	X	X		X			
Milk	✓	✓	✓	✓	✓	✓	✓	✓				✓					

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Mineral Oil	✱	X	✓	✱	✓	✓	✓		✓	✓	✓	✓		X		✓	✓
Mineral Spirits	✱	X							✓	✓	✓			X		✓	✓
Molasses	✓	✓	✓	✓			✓	✓									
Motor Oil	✓	✱			✓	✓	✓	✓	✓	✓	✓	✓		X		✓	✓
Naphtha	✓	✱	✱	X													
Nitric Acid – 30%	✓	✱	✓	✓	X	X	X	X	X			✱				X	
Nitric Acid – 50%	✱	X	✓	✱	X	X	X	X	X			✱				X	
Nitrobenzene	✓	✱	X	X			✱		✓	X	X						
Nitro Acid	✓								X								
Nitrous Oxide	✓																
Oleic Acid	✓	X			✓	✓	✓	✓	X								
Olive Oil	✓	✓	✓	✓					✓	✓	✓	✓		X		✓	✓
Oxalic Acid	✓	✓	✓	✓					X			✓					
Ozone	✱	✱	✱	X	X	X	✱	✱	X			✓					
Palmitic Acid – 70%	✓	✓	✓	✓			✓		X								
Paraffin	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✱			
Peanut Oil	✓	✓					✓		✓	✓	✓	✓		X			
Perchloric Acid – 20%	✓	✓	✓	✓					X								
Perchlorothylene	X	X	X	X			✱	X	✓	✱	X					✓	X
Pathalic Acid – 50%	✓	✓	✓	✓					X								
Phenol	✓	✓	✓	✓	X	X	X	X	✓	✱	X	X					
Phenol – 5%	✓	✓	✓	✓	X	X	X	X				X				✱	X
Phosphoric Acid – 30%	✓	✓	✓	✓	✱	X	X	X	X							✓	X
Phosphoric Acid – 85%	✓	✓	✓	✓	X	X	X	X	X							✓	X
Photographic Solutions	✓	✓	✓	✓			✓										
Plating Solutions	✓	✓	✓	✓													
Potassium Comp.	✓	✓	✓	✓	✓	✓	✱					✓				✓	✓
Potassium Hydroxide	✓	✓	✓	✓	✓	✓	✱		✓	✓	✓					X	
Potassium Iodide (3% Iodine)	✓	✓	✓	✓													
Potassium Permanganate	✓		✓	✓			X	X	X								
Silver Cyanide	✓	✓															
Silver Nitrate	✓	✓	✓	✓													
Sodium Comp.	✓	✓	✓	✓													

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X = not resistant (not to be used)

Designation of chemical	Poly- propylene (PP)		Poly- ethylene (PE)		Polyoxy- methylene (POM)		Polyamide (PA)		Super High Temperature Material (ST)			Thermo- plastic Poly- urethane (TPU)		Thermo- plastic elastomer (TPE)		Flame retardant Polybuty- leneter- ephthalate (PBT)	
	20 °C (70 °F)	60 °C (140 °F)	20 °C (70 °F)	60 °C (140 °F)	20 °C (70 °F)	60 °C (140 °F)	20 °C (70 °F)	60 °C (140 °F)	20 °C (70 °F)	60 °C (140 °F)	93 °C (200°F)	20 °C (70 °F)	60 °C (140 °F)	20 °C (70 °F)	60 °C (140 °F)	20 °C (70 °F)	60 °C (140 °F)
Sodium Chlorite	✓	✱	✓	✓			X	X	✓	✓	✓						
Sodium Hydroxide – 60%	✓	✓	✓	✓	✓	✓	X	X	✓	✓	✓	✱		✱		X	
Sodium Hypochlorite – 5%	✓	✱	✓	✱	X	X	✱		✱	✱	✱					✓	✱
Stearic Acid	✓	✱	✓	✓	✱		✓	✓									
Sulfamic Acid – 20%	✓	✓			X	X											
Sulfate Liquors	✓	✓															
Sulfur	✓	✓	✓	✓			✓	✓									
Sulfur Chloride	✓																
Sulfur Dioxide	✓	✓	✓	✓	X	X	✱	✱									
Sulfuric Acid – 10%	✓	✓	✓	✓	✓	X	X	X	✓	✱	X	✱		✓		✓	✓
Sulfuric Acid – 50%	✓	✓	✓	✓	X	X	X	X	✱	X	X	✱		✓		✱	
Sulfuric Acid – 70%	✓	✱	✓	✱	X	X	X	X	X	X	X	✱				X	
Sulfurous Acid	✓		✓	✓			✱	✱									
Tannic Acid – 10%	✓	✓	✓	✓													
Tartaric Acid	✓	✓	✓	✓			✓	✱				✓					
Tetrahydrofuran	✱	X			✱	✱	✓										
Toluene	X	X	X	X	✱	X	✓	✓	✓	✓	✓	✱				✓	X
Transformer Oil	✓	✱	✓	✱			✓	✓	✓	✓	✓	✓		X			
Tributyl Phosphate	✓	✱															
Trichloroacetic Acid	✓	✓	✱				X	X									
Trichloroethylene	X	X	X	X	✱	✱	✱	X				X				✱	X
Tricresyl Phosphate	✓	✱															
Trisodium Phosphate	✓	✓	✓	✓													
Turpentine	✱	X	✓	X	✓		✓	✓				✱				✓	✓
Urea	✓	✓	✓	✓	✓		✓	✓				✓				✓	
Vinegar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✱					
Wine	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
Xylene	X	X	X	X	✓	✓	✓	✓				✱				✱	X

Our Declaration of Compliance

MODUTECH®

- DECLARATION OF COMPLIANCE -

Modutech Konveyor Bant Sistemleri San. ve Tic. A.S., Kemalpasa OSB Mah. No: 228 Kuyucak Yolu Kumeevleri / Izmir,Turkey , here by declares under its exclusive responsibility that the Modular Belt (PP) Conforms with the Food Regulation:

FDA

according to the CFR code
code of Federal Regulations

Title 21 § 177.520

Granules and additives used to manufacture the modular belts are selected exclusively among those listed by FDA standard
Specifications 3.1 olefin copolymers for use in articles that contact food except for articles used for packing and holding food during cooking .
This attest was issued on the basis of the accredited NSF laboatory test with:

Project no: 9896049 ,
Date of Report: January 9th , 2015

MODUTECH Certification

Modutech Konveyor Bant Sistemleri San. ve Tic. A.S.
Ankara Asfaltõ 25.km Közlüklar Mevkii
Kuyucak Kemalpaşa / Izmir - TURKEY
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İbrahim BAYIR
Modutech Quality Manager

MODUTECH®

- DECLARATION OF COMPLIANCE -

Modutech Konveyor Bant Sistemleri San. ve Tic. A.S., Kemalpasa OSB Mah. No: 228 Kuyucak Yolu Kumeevleri / Izmir,Turkey , here by declares under its exclusive responsibility that the **MODULAR BELT POLYPROPYLENE PLASTIC (PP) RAW MATERIAL**

Conforms with the Food Regulations with reference to
COMMISSION REGULATION EU NO 10/2011 of 14 January 2011 and amendments

The belt is suitable to come into contact with any aqueous, acid, oily and fatty food listed in the Regulation EU 10/2011 and amendments.

As prescribed by Commission Regulation EU 10/2011 – Annex III and Annex V, MODUTECH declares that:

All materials used to produce this belt comply with the applicable law.
The overall migration of the authorised substances, measured using the prescribed extracting substances (simulants) is lower than the maximum limit allowed:

Overall migration with simulant A – ethanol 10%	< 10 mg / dm²
Overall migration with simulant B – acetic acid 3%	< 10 mg / dm²
Overall migration with simulant – ethanol 95%	< 10 mg / dm²
Overall migration with simulant – isooctane	< 10 mg / dm²
Overall migration with simulant E – MPPO (tenax)	< 10 mg / dm²

Tests have been carried out for a period of 2 hours at 70°C .
The limit of detection is 3 mg / dm².

The soluble heavy metals in aqueous test is lower than the maximum limit allowed :

Specific migration of Barium	< 1,00 mg / kg
Specific migration of Cobalt	< 0,05 mg / kg
Specific migration of Copper	< 5,00 mg / kg
Specific migration of Iron	< 48,00 mg / kg
Specific migration of Lithium	< 0,60 mg / kg
Specific migration of Manganese	< 0,60 mg / kg
Specific migration of Zinc	< 25,00 mg / kg

The information herein contained represents an extract from an analysis certification issued by a Accredited IAS laboratory test with: Report no TR1130211 Dated 07.06.2017

MODUTECH Certification

Modutech Konveyor Bant Sistemleri San. ve Tic. A.S.
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İbrahim BAYIR
Modutech Quality Manager

Modutech offers you wide range of modular belts with FDA - EU certificates.

Our Certificates

Modutech offers you wide range of modular belts with 1935-2004, TS EN ISO 9001:2015 certificates.

MODUTECH®

- DECLARATION OF COMPLIANCE -

Modutech Konveyor Bant Sistemleri San. Ve Tic. A.S., Kemlapasa OSB mah. No:228 Kuyucak Yolu Kumeevleri / Izmir,Turkey, hereby declares under its exclusive responsibility that the

MODULAR BELT POLYOXYMETHYLENE PLASTIC (POM) RAW MATERIAL BLUE COLOUR

Conforms with the Food Contact Materials Regulation with reference to (EC) NO 1935/2004 of the European Parliament and of the Council of 27 October 2004

The belt is suitable to come into contact with the prevailing legislation of materials in contact with food according to the Regulation (CE) 1935/2004.

As prescribed by Commision Regulation (EC) 1935/2004, MODUTECH declares that:
All materials used to produce this belt comply with the applicable law.
The soluable heavy metals in aqueous test is lower than the maximum limit allowed:

Specific migration of Aluminium	< 1,00 mg / kg
Specific migration of Barium	< 1,00 mg / kg
Specific migration of Cobalt	< 0,05 mg / kg
Specific migration of Copper	< 5,00 mg / kg
Specific migration of Iron	< 48,00 mg / kg
Specific migration of Lithium	< 0,60 mg / kg
Specific migration of Manganese	< 0,60 mg / kg
Specific migration of Nickel	< 0,02 mg / kg
Specific migration of Zinc	< 5,00 mg / kg

Tests have been carried out for a period of 2 hours at 70°C.
The ratio of surface area to volume ratio is 5,83 dm² per 1 kg of food staff in contact with.
The information here in contained represents an extract from an analysis certification issued by a Accredited IAS laboratory test with: Report no TR1200296-RV2 Dated 11 June 2019

MODUTECH Certification

Modutech Konveyor Bant Sistemleri San. ve Tic. A.S.
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İbrahim BAYIR
Modutech Quality Manager

BQS

CERTIFICATE

This certificate is granted to the organization,

MODUTECH MODULAR BELTING

Kemalpasa OSB Kuyucak Yolu Dis Kapı No: 228 Kemalpasa, Izmir, TURKEY

Production And Sales of Modular Belts

EA 14
according to the scope,

TS EN ISO 9001:2015

to certify that quality management system in accordance with standard's clauses is established and being implemented.

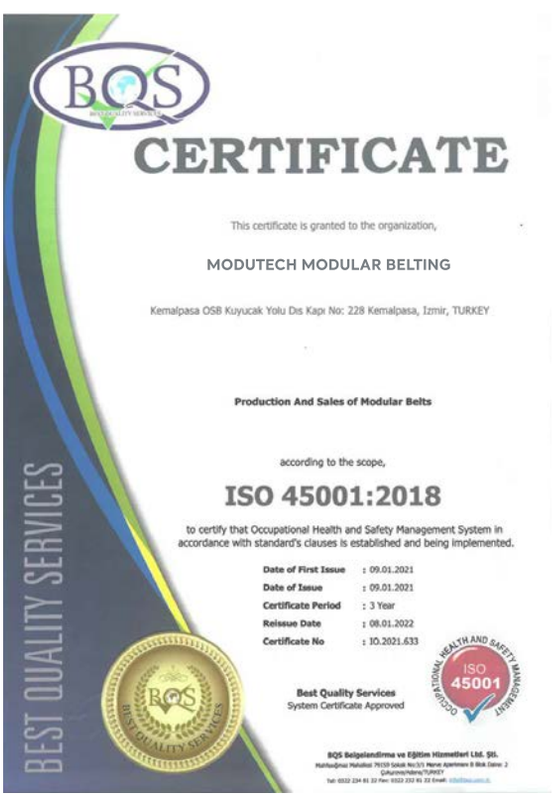
Date of First Issue	: 09.01.2021
Date of Issue	: 09.01.2021
Certificate Period	: 3 Year
Reissue Date	: 08.01.2022
Certificate No	: KQ.2021.633

TÜRKAK BOS NO YS-6021-1443

Best Quality Services
System Certificate Approved

BQS Belgelendirme ve Eğitim Hizmetleri Ltd. Şti.

BEST QUALITY SERVICES



BQS

CERTIFICATE

This certificate is granted to the organization,

MODUTECH MODULAR BELTING

Kemalpasa OSB Kuyucak Yolu Dis Kapı No: 228 Kemalpasa, Izmir, TURKEY

Production And Sales of Modular Belts

according to the scope,

ISO 45001:2018

to certify that Occupational Health and Safety Management System in accordance with standard's clauses is established and being implemented.

Date of First Issue	: 09.01.2021
Date of Issue	: 09.01.2021
Certificate Period	: 3 Year
Reissue Date	: 08.01.2022
Certificate No	: IO.2021.633

OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT ISO 45001

Best Quality Services
System Certificate Approved

BQS Belgelendirme ve Eğitim Hizmetleri Ltd. Şti.

BEST QUALITY SERVICES

BQS

CERTIFICATE

This certificate is granted to the organization,

MODUTECH MODULAR BELTING

Kemalpasa OSB Kuyucak Yolu Dis Kapı No: 228 Kemalpasa, Izmir, TURKEY

Production And Sales of Modular Belts

EA 14
according to the scope,

TS EN ISO 14001:2015

to certify that environmental management system in accordance with standard's clauses is established and being implemented.

Date of First Issue	: 09.01.2021
Date of Issue	: 09.01.2021
Certificate Period	: 3 Year
Reissue Date	: 08.01.2022
Certificate No	: CE.2021.633

TÜRKAK BOS NO YS-43DA-AF76

Best Quality Services
System Certificate Approved

BQS Belgelendirme ve Eğitim Hizmetleri Ltd. Şti.

BEST QUALITY SERVICES

Movement Technologies

MODUTECH®
Movement Technologies

MANİSA
Headquarters & Factory

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