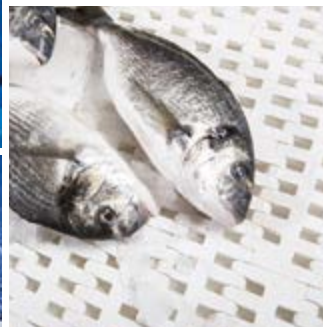




**MODUTECH<sup>®</sup>**  
Movement Technologies



## Modular Belts Brochure

[www.modutech.com.tr](http://www.modutech.com.tr)

2019



MODUTECH

# Movement Technologies

We are rapidly growing. Thanks to the "understanding of excellence" in product and service quality, in the plastic modular belt sector. We export plastic modular belts and accessories (sprockets, flights, sidewalls) produced with high production standards to more than 40 countries, including 5 continents.

We have right partnerships with industrial companies, original equipment manufacturers and distributors in many countries of the world with the strength of our production quality, flexible capability, pre-sales and after-sales service.

We are constantly proving our expertise for food industry. We have FDA and EU approvals that are recognized as quality standards around the world for the safe and hygienic carry of food products.

With our movement technologies, we are carrying your business to the future.

Today and always.





## 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 maintenance 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.

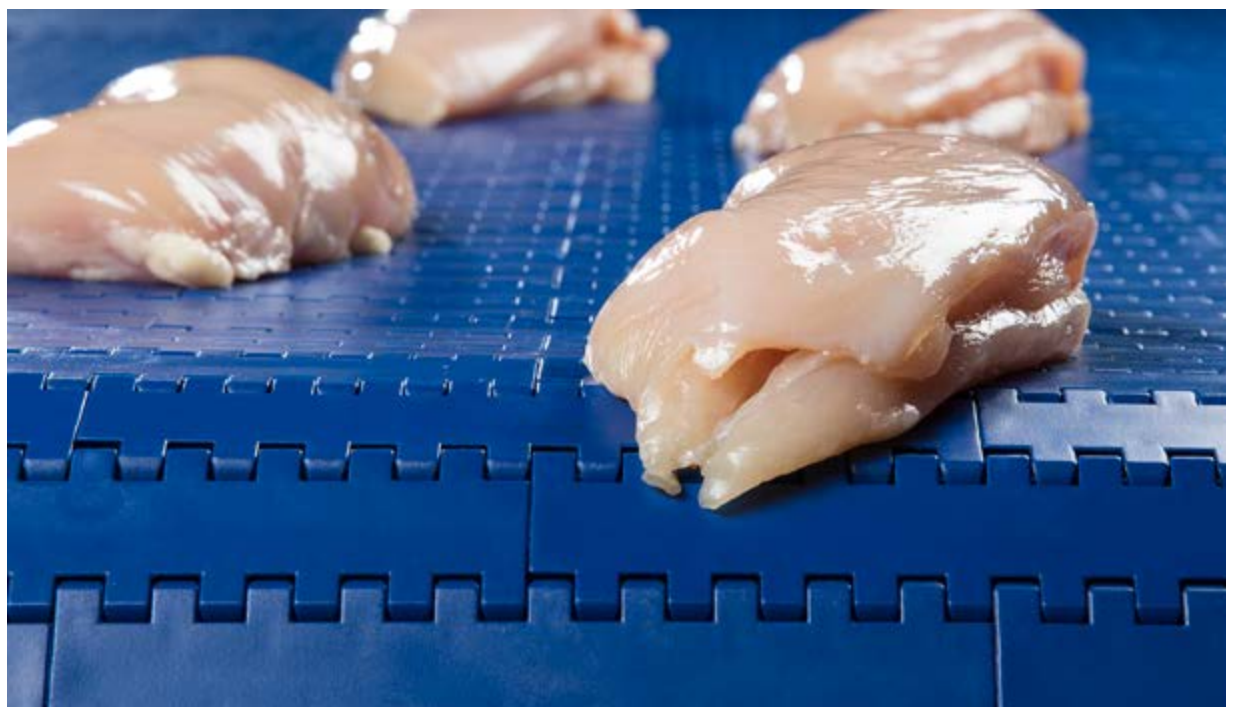


# Various Industries Need Special Solutions



We offer combinable designs, materials and accessories for specific industries. Because, different working environments need different 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.









EC127 C



EC127 FG



EC127 GT



XP254 CR

*Corrugated Belt Series*



XP254 FLT CR

*Corrugated Belt Series*



XP254 C



XP254 PR%22



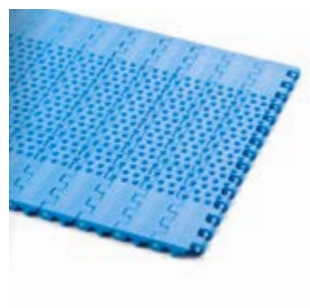
XP254 FG



EC254 C



EC254 PR%16



EC254 NT



MD254 FG



MD254 C



MD254 RR



MD254 GAP%48



EC381 C



EC381 PR%22



EC381 FG



EC381 NT



EC508 C



EC508 PR%22



EC508 FG



EC508 PR%11



EC508 PR%13



EC508 DT



HP508 RR



HP508 C



EC254 R

Radius Belt 2,1



EC254T R

Tight Radius  
Belt 1,4

# Our Product Range

# EC127 C

Pitch:	12.7 mm
Belt Surface:	Close, Smooth Surface
Minimum Width:	50 mm
Open Area (%):	%0
Flight:	Yes ( T25, T50 )
Sidewall:	No
Rod:	Ø4.7 mm - Self Lock
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Good
Belt Thickness:	10 mm



## 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.
- Close transfer applications.
- Tight transfer and high speed conveyors.

## Available Moulded Module Sizes

- 150 mm module
- 100 mm module
- 50 mm module

## EC127 C / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m <sup>2</sup>
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1177	11770	-	-	+5	+90	4.65
Polyethylene	642	6420	-	-	-73	+66	4.90
Acetal	1926	19260	-	-	-43	+110	7.00

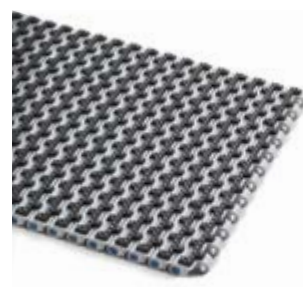
- Belt strength and temperature values are maximum on the table.



EC127 C



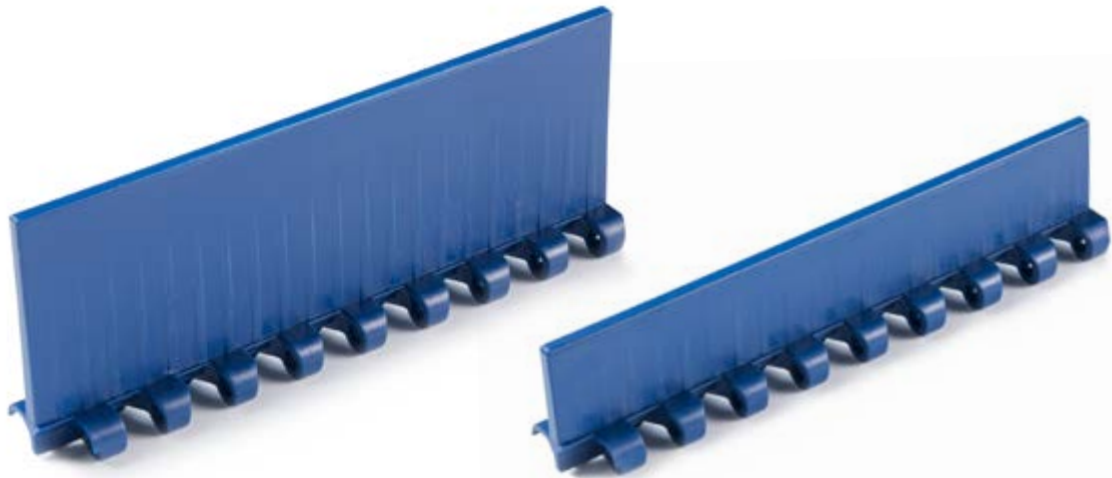
EC127 FG



EC127 GT



# EC127 Series *Accessories and Technical Specifications*

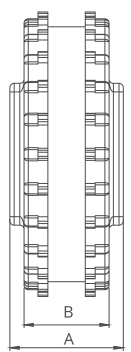
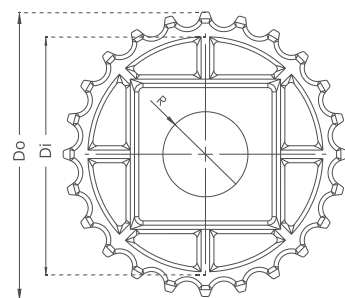
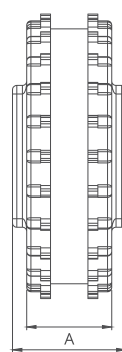
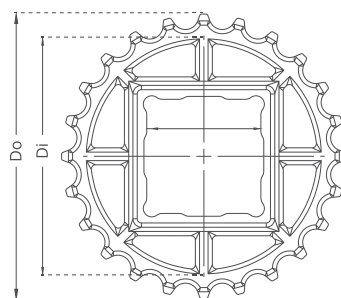


## EC127 Series / Flight & Sidewall Dimensions

EC127 Series / Flights & Sidewalls				
PRODUCT CODE	Flight Height (mm)	Flight Width (mm)	PRODUCT CODE	Sidewall Height (mm)
EC127 T25	25	150	-	-
EC127 T50	50	150	-	-



Z24



## EC127 Series / Standard Sprockets Dimensions

NO. TEETH	Di	Do	B	A	Square Bore (Q)	Round Bore (R)	PRODUCT CODE	
							Square Type (Q)	Round Type (R)
Z19	68.5 mm	78 mm	3.5 mm	40.0 mm	40.0 mm	25.0 / 30.0	EC127SQZ19*PA	EC127SRZ19*PA
Z24	88.7 mm	98.8 mm	3.5 mm	40.0 mm	40.0 mm	25.0 / 30.0	EC127SQZ24*PA	EC127SRZ24*PA
Z28	105.0 mm	115.2 mm	3.5 mm	40.0 mm	40.0 mm	25.0 / 30.0	EC127SQZ28*PA	EC127SRZ28*PA
Z30	113.0 mm	123.3 mm	3.5 mm	40.0 mm	40.0 mm	25.0 / 30.0	EC127SQZ30*PA	EC127SRZ30*PA
Z36	137.5 mm	148.0 mm	3.5 mm	40.0 mm	40.0 mm	25.0 / 30.0	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.

# EC254 C



Pitch:	25.4 mm
Belt Surface:	Close, Smooth Surface
Minimum Width:	152.4 mm
Open Area (%):	%0
Flight:	Yes ( T25, T50, T75, TC75, T100 )
Sidewall:	Yes ( h=25 mm, h=50 mm, h=75 mm )
Rod:	Ø5 mm - Self Lock
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Excellent
Belt Thickness:	10 mm



## 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.

## Available Moulded Module Sizes

- 152.4 mm module
- 76.2 mm module
- 45 mm module
- 30 mm module

## EC254 C / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m <sup>2</sup>
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1016	10160	-	-	+5	+90	4.50
Polyethylene	840	8400	-	-	-73	+66	5.00
Acetal	2515	25150	-	-	-43	+110	6.60

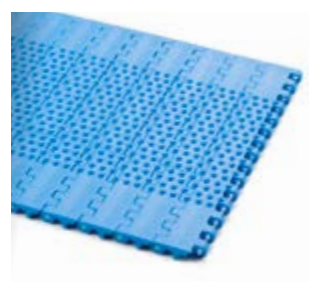
- Belt strength and temperature values are maximum on the table.



EC254 C



EC254 PR%16



EC254 NT



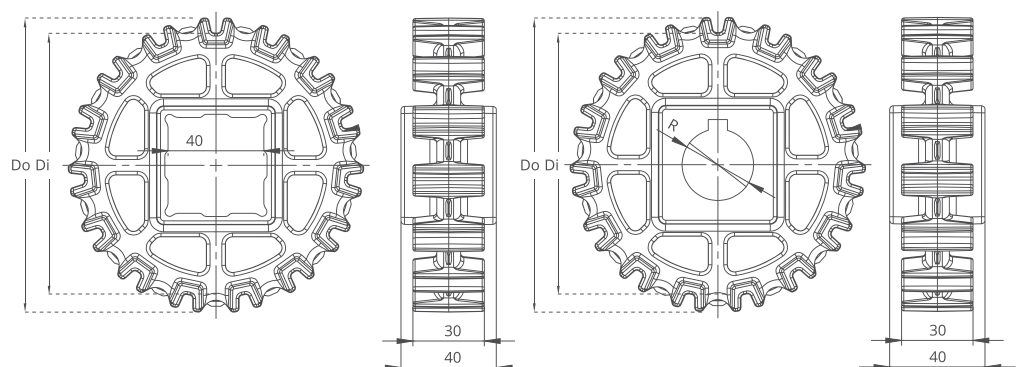


# EC254 Series *Accessories and Technical Specifications*



## EC254 Series / Flight & Sidewall Dimensions

EC254 Series / Flights & Sidewalls				
PRODUCT CODE	Flight Height (mm)	Flight Width (mm)	PRODUCT CODE	Sidewall Height (mm)
EC254T25	25	152,4	EC254SW25	25
EC254T50	50	152,4	EC254SW50	50
EC254T75	75	152,4	EC254SW75	75
EC254T100	100	152,4	-	-
EC254TC50	50	152,4	-	-
EC254TC75	75	152,4	-	-
EC254TCH75	75	152,4	-	-



## EC254 Series / Standard Sprockets Dimensions

NO. TEETH	Di	Do	B	A	Square Bore (Q)	Round Bore (R)	PRODUCT CODE	
							Square Type (Q)	Round Type (R)
Z8	51,6	64,6	30,0	40,0 mm	25,0 mm	25,0 / 30,0	EC254SQZ8*POM	EC254SRZ8*POM
Z10	68,8	81,8	30,0	40,0 mm	40,0 mm	25,0 / 30,0	EC254SQZ10*POM	EC254SRZ10*POM
Z12	85,5	98,8	30,0	40,0 mm	40,0 mm	25,0 / 30,0	EC254SQZ12*POM	EC254SRZ12*POM
Z15	111,1	124,1	30,0	40,0 mm	40,0 mm	25,0 / 30,0	EC254SQZ15*POM	EC254SRZ15*POM
Z18	136,1	149,1	30,0	40,0 mm	40,0 mm	25,0 / 30,0	EC254SQZ18*POM	EC254SRZ18*POM

\*Other sprockets and hub sizes are manufactured up to request. \*POM (Acetal) and PP (Polypropylene) sprockets raw material is available on request.

# MD254 FG



Pitch:	25.4 mm
Belt Surface:	Open smooth surface
Minimum Width:	50 mm
Open Area (%):	%33. ( Biggest opening 5.5 x 7mm )
Flight:	Yes (T25, T50, TC50, TCH50, T75, T100)
Sidewall:	Yes (h=25, h=50mm)
Rod:	Ø 5 mm - Self Lock
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Good
Belt Thickness:	10 mm



## 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.

## Available Moulded Module Sizes

- 200 mm module
- 100 mm module
- 83 mm module
- 50 mm module
- 33 mm module

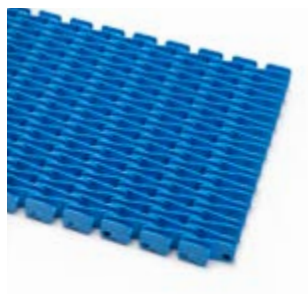
## MD254 FG / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m <sup>2</sup>
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1498	14980	-	-	+5	+90	4.85
Polyethylene	856	8560	-	-	-73	+66	5.20
Acetal	2690	26900	-	-	-43	+110	7.70

- Belt strength and temperature values are maximum on the table.



MD254 C



MD254 RR



MD254 GAP%48



MD254 FG



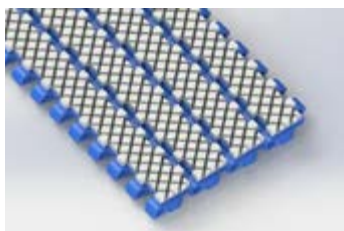


# MD254 Series *Accessories and Technical Specifications*



## MD254 Series / Flight & Sidewall Dimensions

MD254 Series / Flights & Sidewalls				
PRODUCT CODE	Flight Height (mm)	Flight Width (mm)	PRODUCT CODE	Sidewall Height (mm)
MD254T25	25	200	MD254SW25	25
MD254T50	50	200	MD254SW50	50
MD254T75	75	200	MD254SW75	75
MD254T100	100	200	-	-
MD254TC50	50	200	-	-
MD254TCH50	50	200	-	-

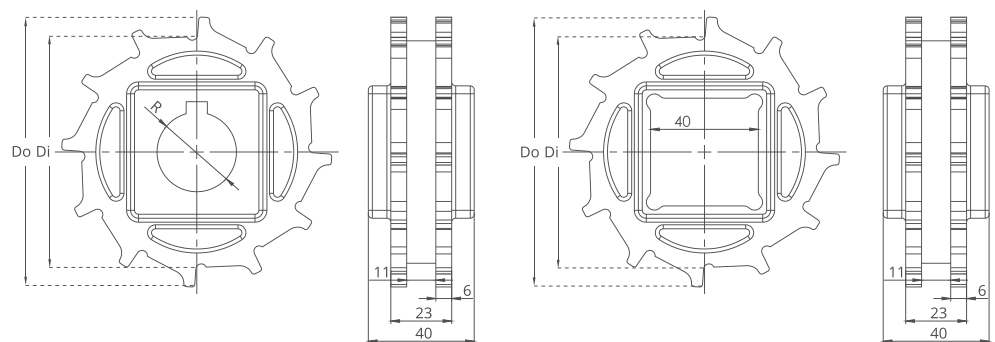


## MD254 GT / Friction Top Surface

BELT TYPE	Belt Material	Belt Colour	Rubber Insert Colour	Module Width	
				mm	inch
MD254 GT	PP	White/Blue/ Gray	White/Black	200	7,87



Z12



## MD254 Series / Standard Sprockets Dimensions

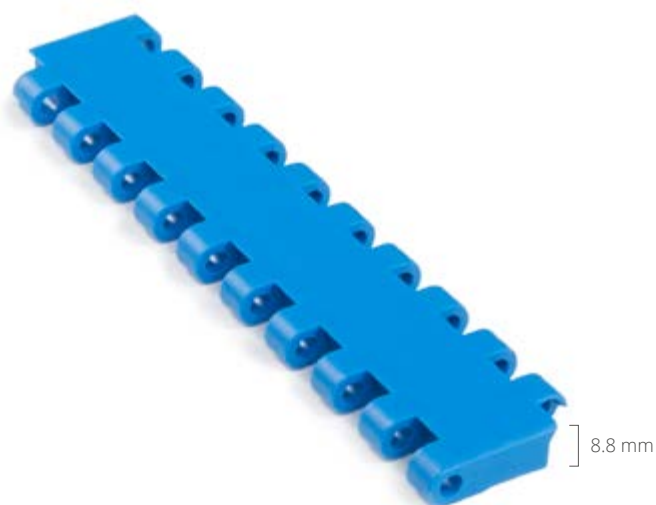
NO. TEETH	Di	Do	B	A	Square Bore (Q)	Round Bore (R)	PRODUCT CODE	
							Square Type (Q)	Round Type (R)
Z8	53	67,75	6.0	40.0 mm	25.0 mm	25.0 / 30.0	MD-TR254SQ25Z8*POM	MD-TR254SRZ8*POM
Z10	70	85	6.0	40.0 mm	40.0 mm	25.0 / 30.0	MD-TR254SQZ10*POM	MD-TR254SRZ10*POM
Z12	87	102	6.0	40.0 mm	40.0 mm	25.0 / 30.0	MD-TR254SQZ12*POM	MD-TR254SRZ12*POM
Z15	112	126,5	6.0	40.0 mm	40.0 mm	25.0 / 30.0	MD-TR254SQZ15*POM	MD-TR254SRZ15*POM
Z18	137	152	6.0	40.0 mm	40.0 mm	25.0 / 30.0	MD-TR254SQZ18*POM	MD-TR254SRZ18*POM

\*Other sprockets and hub sizes are manufactured up to request.

\*POM (Acetal) and PP (Polypropylene) sprockets raw material is available on request.

# XP254 C

Pitch:	25.4 mm
Belt Surface:	Close, Smooth Surface
Minimum Width:	76,2 mm
Open Area (%):	%0
Flight:	Yes ( T25, T50, T75, T100 )
Sidewall:	Yes ( h=25 mm, h=50 mm )
Rod:	Ø4.5 mm
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Good
Belt Thickness:	<b>8.8 mm</b>



## 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.

## Available Moulded Module Sizes

- 152.4 mm module
- 76.2 mm module

## XP254 C / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1840	18400	-	-	+5	+90	5.50
Polyethylene	910	9100	-	-	-73	+66	5.80
Acetal	3210	32100	-	-	-43	+110	7.90

- Belt strength and temperature values are maximum on the table.



XP254 C



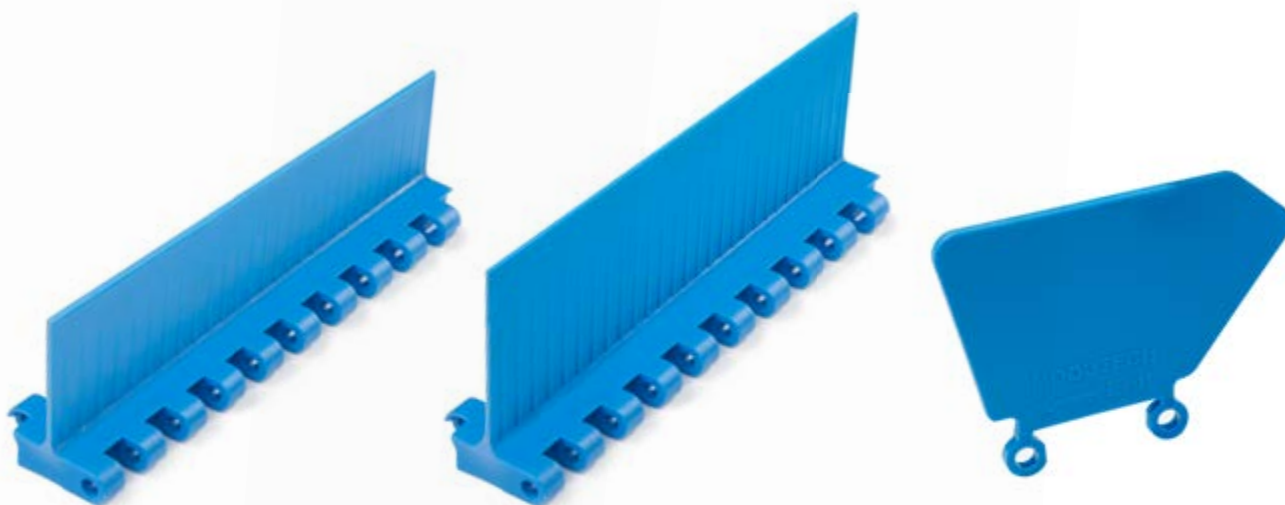
XP254 PR%22



XP254 FG

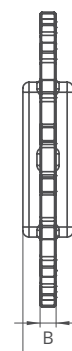
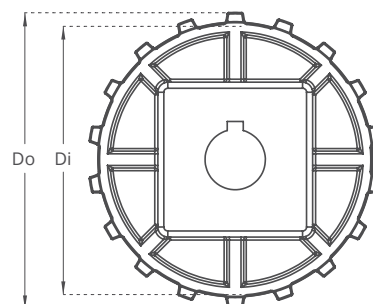
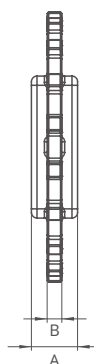
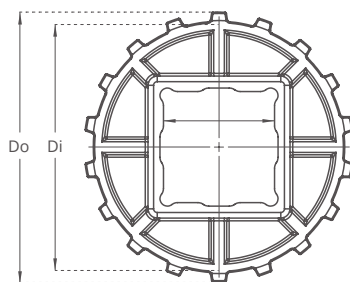


# XP254 Series *Accessories and Technical Specifications*



## XP254 Series / Flight & Sidewall Dimensions

XP254 Series / Flights & Sidewalls				
PRODUCT CODE	Flight Height (mm)	Flight Width (mm)	PRODUCT CODE	Sidewall Height (mm)
XP254 T25	25	152,4	XP254SW25	25
XP254 T50	50	152,4	XP254SW50	50
XP254 T75	75	152,4	XP254SW75	75
XP254 T100	100	152,4	-	-



## XP254 Series / Standard Sprockets Dimensions

NO. TEETH	Di	Do	B	A	Square Bore (Q)	Round Bore (R)	PRODUCT CODE	
							Square Type (Q)	Round Type (R)
Z8	53.2 mm	64 mm	8.0 mm	25.0 mm	25.0 mm	25.0 / 30.0	XP254SQZ8*PA	XP254SRZ8*PA
Z10	71.6 mm	82.5 mm	8.0 mm	25.0 mm	40.0 mm	25.0 / 30.0	XP254SQZ10*PA	XP254SRZ10*PA
Z12	89.0 mm	99.5 mm	8.0 mm	25.0 mm	40.0 mm	25.0 / 30.0	XP254SQZ12*PA	XP254SRZ12*PA
Z15	114.0 mm	124.0 mm	8.0 mm	25.0 mm	40.0 / 60.0 mm	25.0 / 30.0	XP254SQZ15*PA	XP254SRZ15*PA
Z18	136.4 mm	146.4 mm	8.0 mm	25.0 mm	40.0 / 60.0 mm	25.0 / 30.0	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.

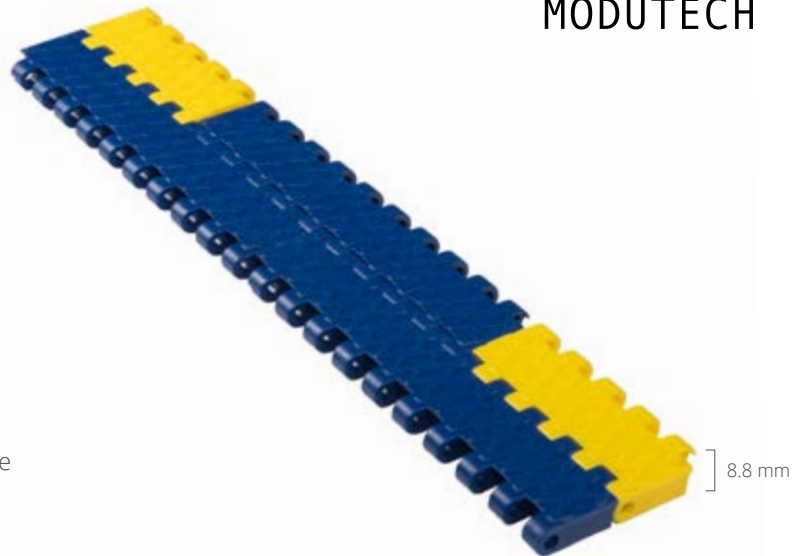
**\*Split sprockets are available for each size.**



MODUTECH

## XP254 CR

Pitch:	25.4 mm
Belt Surface:	Close, Non Slip Surface
Minimum Width:	50 mm
Open Area (%):	%0
Flight:	-
Sidewall:	-
Rod:	Ø4.5 mm - Self Lock
Approved:	-
Curve:	No
Color:	Additional colors available
Cleanability:	Good
Belt Thickness:	<b>8.8 mm</b>

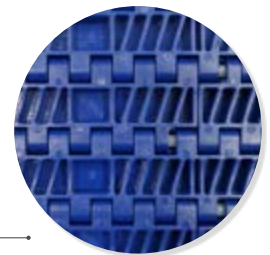


### Product Features and Functional Benefits

- Chamfered belt edges.
- 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.
- Safety walking top surface.

### Available Moulded Module Sizes

- 152.4 mm module
- 76.2 mm module
- 50 mm module



Reinforced  
Bottom Surface

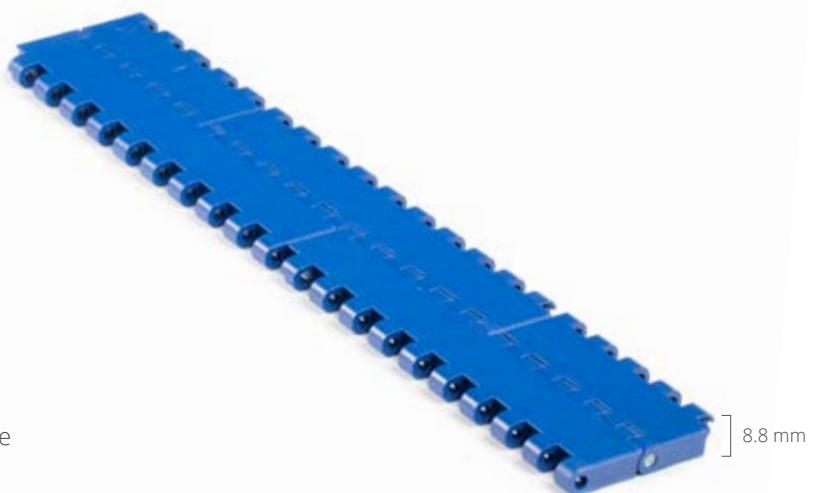
### XP254 CR / Technical Information

BELT / PIN MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m <sup>2</sup>
	Kg/m	N/m	Kg/m	N/m			
Acetal / PA6	4025	40250	-	-	-43	+110	7.90

- Belt strength and temperature values are maximum on the table.

## XP254 FLT CR

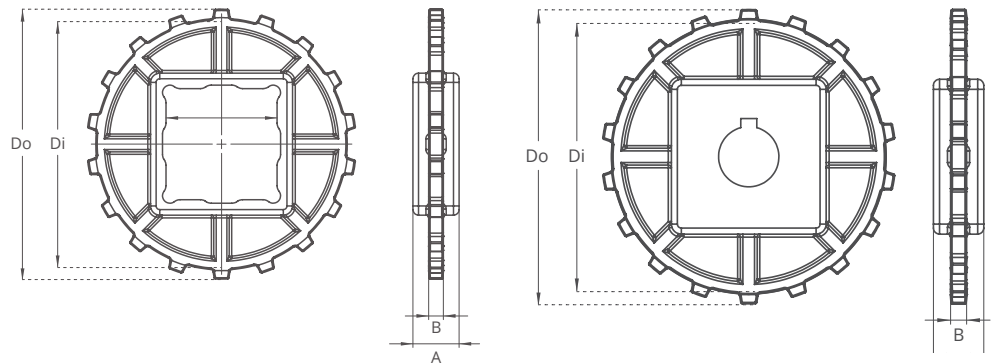
Pitch:	25.4 mm
Belt Surface:	Close, Non Slip Surface
Minimum Width:	50 mm
Open Area (%):	%0
Flight:	-
Sidewall:	-
Rod:	Ø4.5 mm - Self Lock
Approved:	-
Curve:	No
Color:	Additional colors available
Cleanability:	Good
Belt Thickness:	<b>8.8 mm</b>



# XP254 Series *Accessories and Technical Specifications*



Z18



## XP254 Series / Standard Sprockets Dimensions

NO.TEETH	Di	Do	B	A	Square Bore (Q)	Round Bore (R)	PRODUCT CODE	
							Square Type (Q)	Round Type (R)
Z8	53.2 mm	64 mm	8.0 mm	25.0 mm	25.0 mm	25.0 / 30.0	XP254SQZ8*PA	XP254SRZ8*PA
Z10	71.6 mm	82.5 mm	8.0 mm	25.0 mm	40.0 mm	25.0 / 30.0	XP254SQZ10*PA	XP254SRZ10*PA
Z12	89.0 mm	99.5 mm	8.0 mm	25.0 mm	40.0 mm	25.0 / 30.0	XP254SQZ12*PA	XP254SRZ12*PA
Z15	114.0 mm	124.0 mm	8.0 mm	25.0 mm	40.0 / 60.0 mm	25.0 / 30.0	XP254SQZ15*PA	XP254SRZ15*PA
Z18	136.4 mm	146.4 mm	8.0 mm	25.0 mm	40.0 / 60.0 mm	25.0 / 30.0	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.

**\*Split sprockets are available for each size.**



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



# EC381 C



Pitch:	38.1 mm
Belt Surface:	Closed, Smooth Surface
Minimum Width:	152.4 mm
Open Area (%):	%0
Flight:	Yes ( T25, T50, T75, T100 )
Sidewall:	Yes ( h=25 mm, h=50 mm )
Rod:	Ø5.7 mm
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Excellent
Belt Thickness:	12,5 mm



## 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.

## EC381 C / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1592	15920	-	-	+5	+90	6.35
Polyethylene	1520	15200	-	-	-73	+66	6.60
Acetal	2697	26970	-	-	-43	+110	9.60

- Belt strength and temperature values are maximum on the table.



EC381 PR%22



EC381 FG



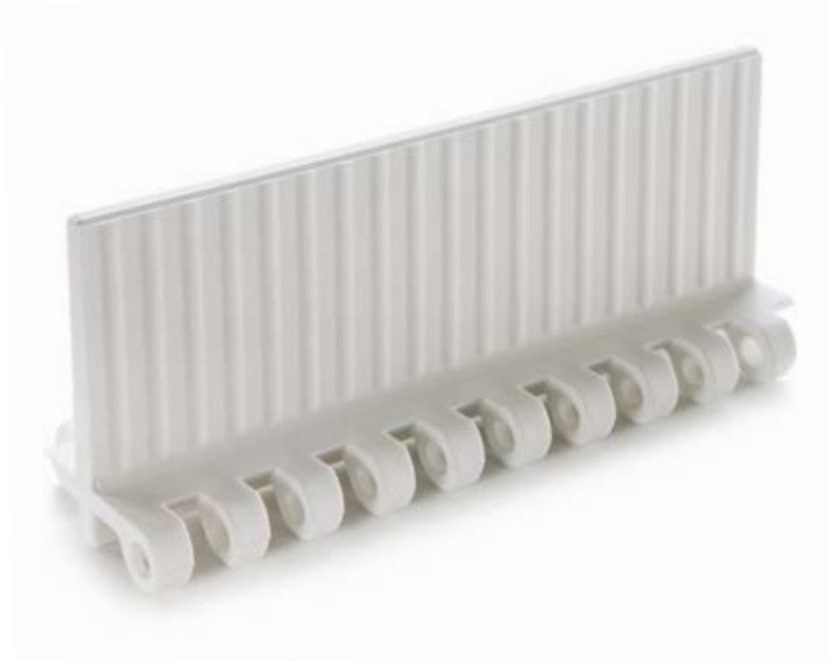
EC381 NT



EC381 C



# EC381 Series *Accessories and Technical Specifications*

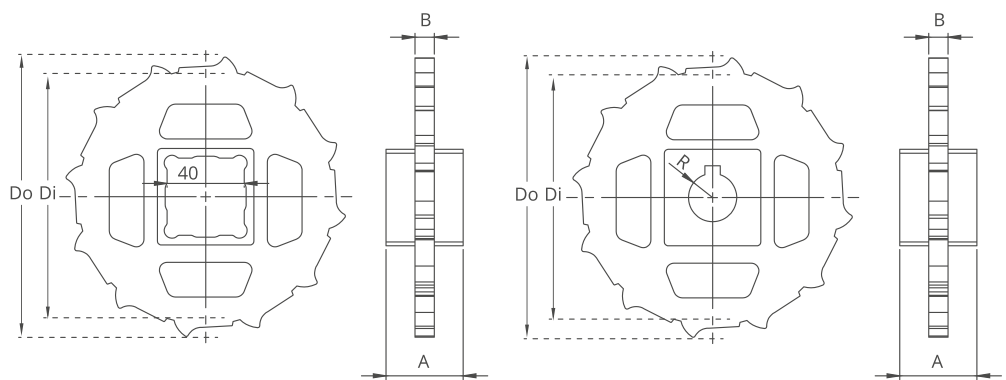


## EC381 Series / Flight & Sidewall Dimensions

EC381 Series / Flights & Sidewalls				
PRODUCT CODE	Flight Height (mm)	Flight Width (mm)	PRODUCT CODE	Sidewall Height (mm)
EC381 T25	25	152,4	EC381SW25	25
EC381 T50	50	152,4	EC381SW50	50
EC381 T75	75	152,4	-	-
EC381 T100	100	152,4	-	-



Z8



## EC381 Series / Standard Sprockets Dimensions

NO.TEETH	Di	Do	B	A	Square Bore (Q)	Round Bore (R)	PRODUCT CODE	
							Square Type (Q)	Round Type (R)
Z8	84.0 mm	97.6 mm	10.0 mm	40.0 mm	40.0 mm	25.0 / 30.0	EC381SQZ8*PA	EC381SRZ8*PA
Z10	108.0 mm	122.0 mm	10.0 mm	40.0 mm	40.0 mm	25.0 / 30.0	EC381SQZ10*PA	EC381SRZ10*PA
Z12	134.0 mm	146.5 mm	10.0 mm	40.0 mm	40.0 mm	25.0 / 30.0	EC381SQZ12*PA	EC381SRZ12*PA

\*Other sprockets and hub sizes are manufactured up to request.

\*POM (Acetal) and PP (Polypropylene) sprockets raw material is available on request.

# EC508 C



MODUTECH

Pitch:	50.8 mm
Belt Surface:	Close, Smooth Surface
Minimum Width:	200 mm
Open Area (%):	%0
Flight:	Yes ( T25, T50, T75, TC75, T100, TC100, T150 )
Sidewall:	Yes ( h=25 mm, h=50 mm, h=75 mm, h=100 mm )
Rod:	Ø7 mm - Self Lock
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Excellent
Belt Thickness:	16 mm



## 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.

## Available Moulded Module Sizes

- 200 mm module
- 100 mm module
- 60 mm module
- 40 mm module

## EC508 C / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1926	19260	-	-	+5	+90	8.00
Polyethylene	1100	11000	-	-	-73	+66	8.20
Acetal	2950	29500	-	-	-43	+110	12.10

- Belt strength and temperature values are maximum on the table.



EC508 C



EC508 PR%22



EC508 FG



EC508 PR%11



EC508 PR%13

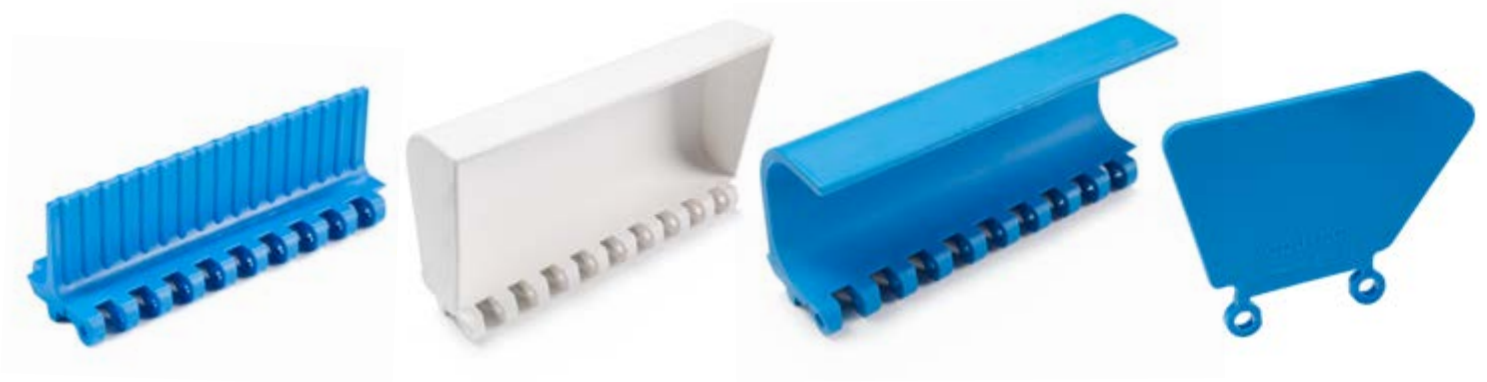


EC508 DT



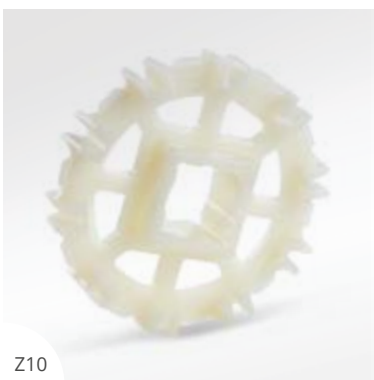


# EC508 Series *Accessories and Technical Specifications*

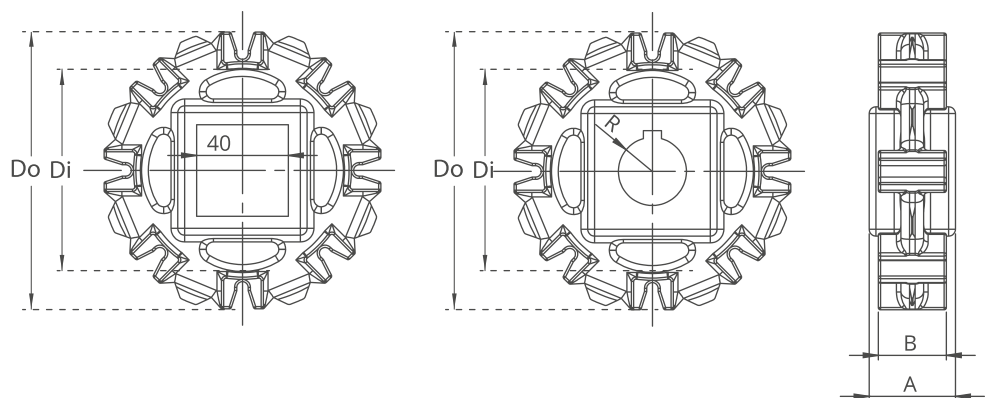


## EC508 Series / Flight & Sidewall Dimensions

EC508 Series / Flights & Sidewalls				
PRODUCT CODE	Flight Height (mm)	Flight Width (mm)	PRODUCT CODE	Sidewall Height (mm)
EC508T25	25	200	EC508SW25	25
EC508T50	50	200	EC508SW50	50
EC508T75	75	200	EC508SW75	75
EC508T100	100	200	EC508SW100	100
EC508T150	150	200	-	-
EC508TC75	75	200	-	-
EC508TC100	100	200	-	-
EC508TCC75	75	200	-	-
EC508TCC100	100	200	-	-



Z10



## EC508 Series / Standard Sprockets Dimensions

NO. TEETH	Di	Do	B	A	Square Bore (Q)	Round Bore (R)	PRODUCT CODE	
							Square Type (Q)	Round Type (R)
Z6	73 mm	90 mm	30,0 mm	40,0 mm	40,0 mm	25,0 / 30,0	EC508SQFZ6*PA	EC508SRFZ6*PA
Z8	107,5 mm	124,5 mm	30,0 mm	40,0 mm	40,0 mm	25,0 / 30,0	EC508SQFZ8*PA	EC508SRFZ8*PA
Z10	141,5 mm	158 mm	30,0 mm	40,0 mm	40,0 mm	25,0 / 30,0	EC508SQFZ10*PA	EC508SRFZ10*PA
Z12	175,2 mm	191,2 mm	30,0 mm	40,0 mm	40,0 / 60,0 mm	25,0 / 30,0	EC508SQFZ12*PA	EC508SRFZ12*PA

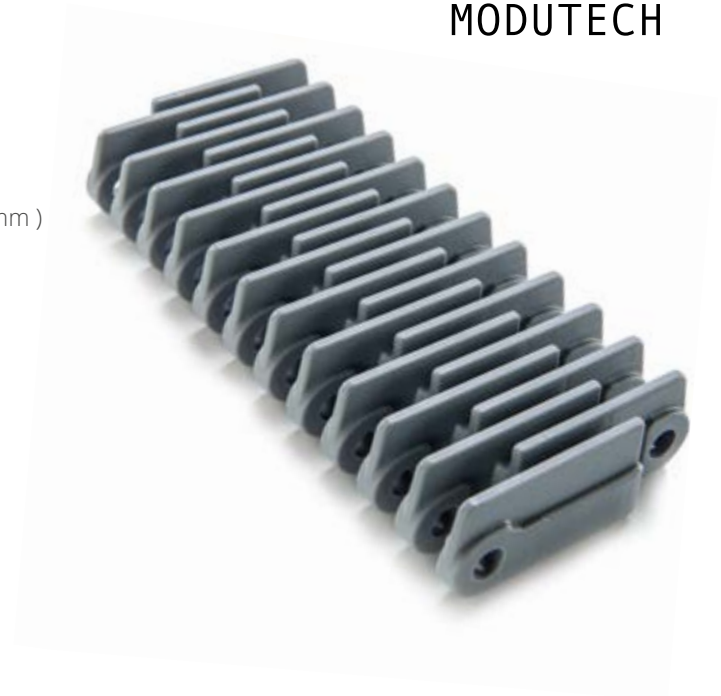
\*Other sprockets and hub sizes are manufactured up to request. \*POM (Acetal) and PP (Polypropylene) sprockets raw material is available on request.



MODUTECH

# HP508 RR

Pitch:	50.8 mm
Belt Surface:	Open, Raised Rib Surface
Minimum Width:	152.4 mm
Open Area (%):	%36. ( Biggest opening 3.5x18.5 mm )
Flight:	No
Sidewall:	No
Rod:	Ø7 mm
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Good
Belt Thickness:	24 mm
Comb:	Yes



## 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.

## HP508 RR / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m <sup>2</sup>
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	3420	34200	-	-	+5	+90	8.90
Polyethylene	-	-	-	-	-	-	-
Acetal	4550	45500	-	-	-43	+110	13.50

- Belt strength and temperature values are maximum on the table.

# HP508 C

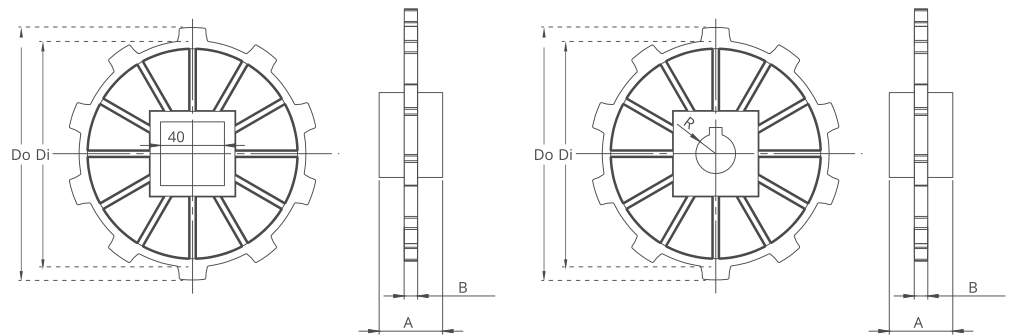
Pitch:	50.8 mm
Belt Surface:	Close, Smooth Surface
Minimum Width:	152.4 mm
Open Area (%):	%0
Flight:	No
Sidewall:	No
Rod:	Ø7 mm
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Good
Belt Thickness:	16 mm



# HP508 Series *Accessories and Technical Specifications*



Z8

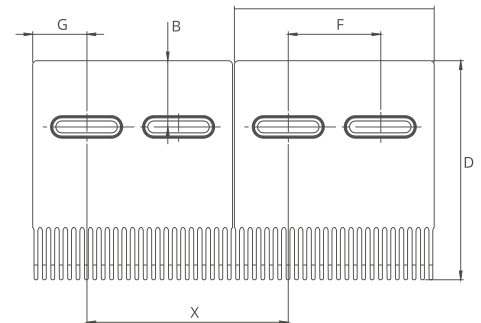
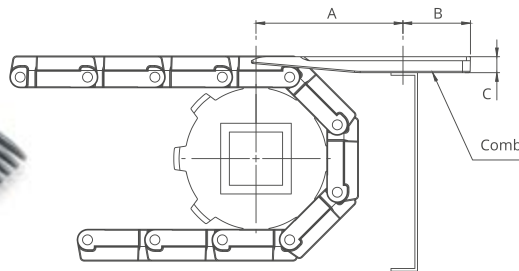


## HP508 Series / Standard Sprockets Dimensions

NO.TEETH	Di	Do	B	A	Square Bore (Q)	Round Bore (R)	PRODUCT CODE	
							Square Type (Q)	Round Type (R)
Z8	109.0 mm	125.0 mm	9.0 mm	40.0 mm	40.0 mm	25.0 / 30.0	HP508SQZ8*PA	HP508SRZ8*PA
Z10	142.0 mm	159.0 mm	9.0 mm	40.0 mm	40.0 mm	25.0 / 30.0	HP508SQZ10*PA	HP508SRZ10*PA

\*Other sprockets and hub sizes are manufactured up to request.

\*POM (Acetal) and PP (Polypropylene) sprockets raw material is available on request.



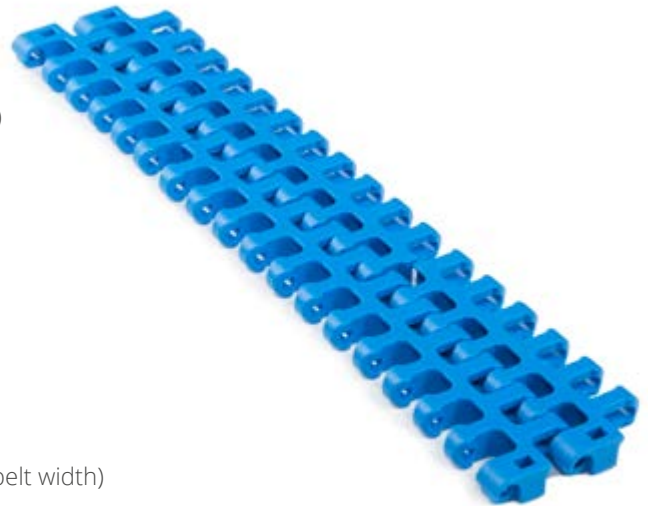


# EC254 R



MODUTECH

Pitch :	25.4 mm
Belt Surface :	Open, Smooth Surface
Minimum Width :	150 mm
Open Area (%) :	%36. ( Biggest opening 7.5x12 mm )
Flight :	Yes. ( h=25 mm, h=50 mm )
Side Wall :	No
Rod :	Ø5 mm - Self Lock
Approved :	FDA and EU
Curve :	Yes
Color :	Additional colors available
Cleanability :	Excellent
Application :	Straight and side flexing
Collapse Factor :	2.1 - 2.4 (Changeable according to belt width)
Belt Thickness:	11 mm



## 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.

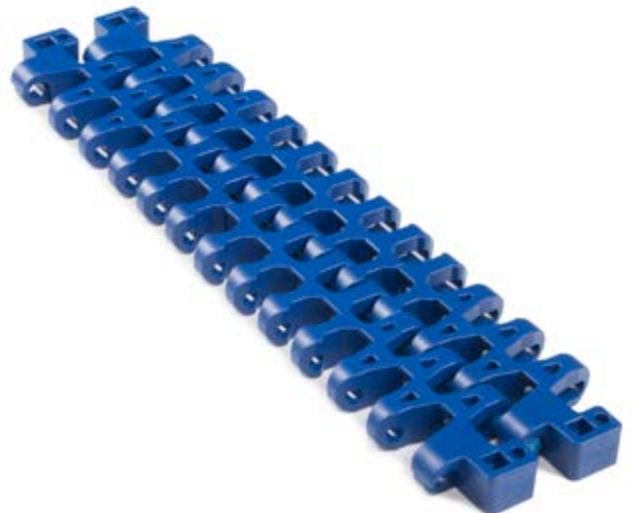
## EC254T R / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m <sup>2</sup>
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	900	9000	120	1200	+5	+90	5.60
Polyethylene	-	-	-	-	-	-	-
Acetal	1625	16250	160	1600	-43	+110	7.40

- Belt strength and temperature values are maximum on the table.

# EC254T R (Tight Radius)

Pitch :	26 mm
Belt Surface :	Smooth Surface
Minimum Width :	167 mm
Open Area (%) :	%38. ( Biggest opening 6,5x12 mm )
Flight :	No
Side Wall :	No
Rod :	Ø5 mm - Self Lock
Approved :	FDA and EU
Curve :	Yes
Color :	Additional colors available
Cleanability :	Excellent
Application :	Straight and side flexing
Collapse Factor :	1.4 - 1.6 (Changeable according to belt width)
Belt Thickness:	13 mm



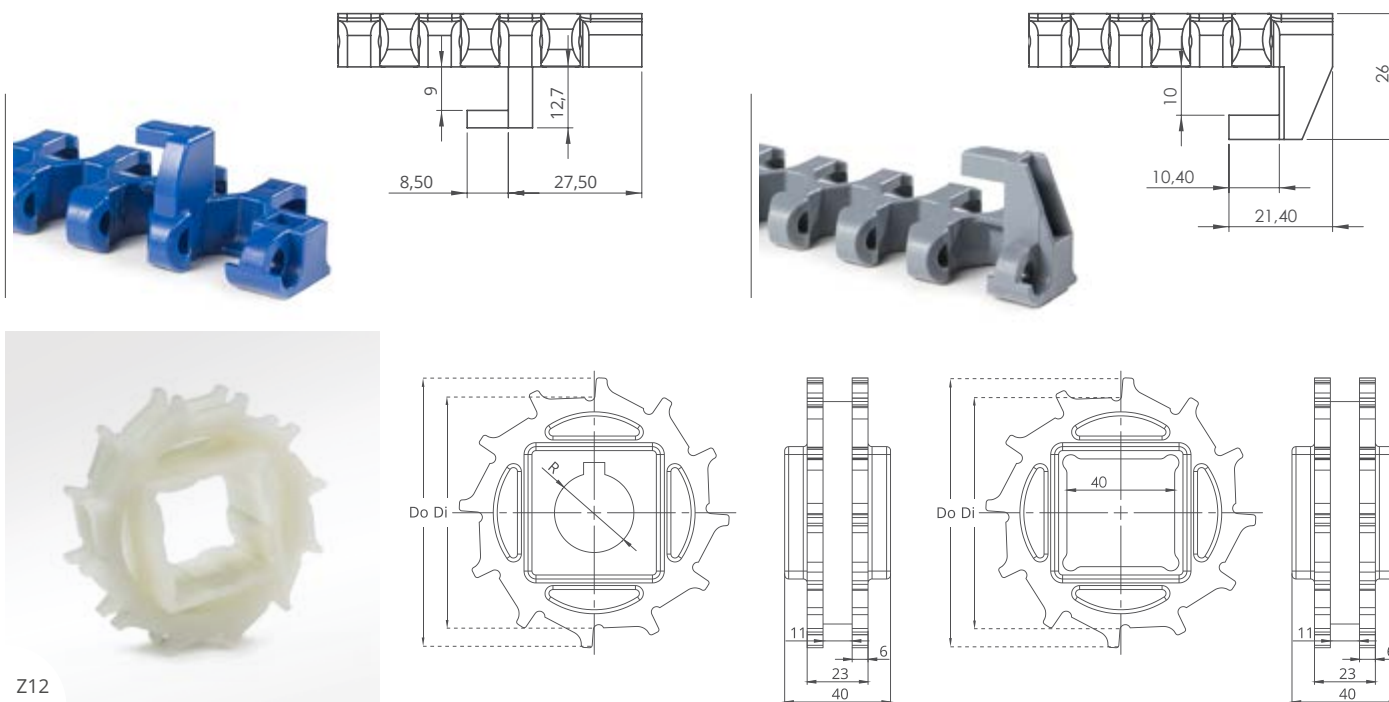
# EC254 R Series *Accessories and Technical Specifications*



## EC254 R Series / Flight & Sidewall Dimensions

EC254R Series / Flights & Sidewalls				
PRODUCT CODE	Flight Height (mm)	Flight Width (mm)	PRODUCT CODE	Sidewall Height (mm)
EC254R T25	25	165	-	-
EC254R T50	50	165	-	-

## EC254 R Series / TAB - Technical Specification



## EC254 R Series / Standard Sprockets Dimensions

NO.TEETH	Di	Do	B	A	Square Bore (Q)	Round Bore (R)	PRODUCT CODE	
							Square Type (Q)	Round Type (R)
Z8	53	67,75	6.0	40.0 mm	25.0 mm	25.0 / 30.0	MD-TR254SQZ8*POM	MD-TR254SRZ8*POM
Z10	70	85	6.0	40.0 mm	40.0 mm	25.0 / 30.0	MD-TR254SQZ10*POM	MD-TR254SRZ10*POM
Z12	87	102	6.0	40.0 mm	40.0 mm	25.0 / 30.0	MD-TR254SQZ12*POM	MD-TR254SRZ12*POM
Z15	112	126,5	6.0	40.0 mm	40.0 mm	25.0 / 30.0	MD-TR254SQZ15*POM	MD-TR254SRZ15*POM
Z18	137	152	6.0	40.0 mm	40.0 mm	25.0 / 30.0	MD-TR254SQZ18*POM	MD-TR254SRZ18*POM

\*Other sprockets and hub sizes are manufactured up to request.

\*POM (Acetal) and PP (Polypropylene) sprockets raw material is available on request.

# Engineering Information

All Products

BELT CODE	Bakery	Meat	Poultry	Seafood	Fruit & Vegetables	Snackfood	Beverages & Bottling	Can Manufacturing	Tire Manufacturing	Automotive	Corrugated Cardboard	Packaging	Printing & Paper	Material Handling	Textile	Postal
EC127 C	*	*	*	*	*	*	*	*	*		*	*	*	*		
EC127 FG	*	*		*	*	*	*			*	*		*			
EC127 GT	*	*	*	*	*	*	*				*	*	*			
XP254 C	*	*	*	*	*	*	*	*	*	*		*	*	*		
XP254 PR%22		*		*	*	*									*	
XP254 FG			*	*	*	*		*							*	
XP254 FLT CR							*	*		*	*		*			
XP254 CR							*			*			*			
EC254 C		*	*		*	*										
EC254 PR%16					*											
EC254 NT		*	*		*											
MD254 C	*	*	*	*	*	*	*				*	*	*			
MD254 FG	*	*	*	*	*	*	*	*			*		*	*		
MD254 RR					*		*				*		*			
MD254 GT	*	*	*	*	*	*					*		*			
MD254 GAP%48	*			*	*										*	
EC381 C					*											
EC381 PR%22					*											
EC381 FG					*											
EC381 NT					*											
EC508 C		*	*	*	*	*					*		*			
EC508 PR%22			*	*	*	*					*					
EC508 PR%11					*	*					*					
EC508 PR%13				*	*											
EC508 FG				*	*	*		*			*					
EC508 DT			*	*	*	*			*	*						
HP508 C					*		*	*	*	*	*		*			
HP508 RR					*		*				*			*		
EC254 R	*	*	*	*	*	*	*		*		*		*	*		
EC254T R (Tight Radius)	*	*	*	*	*	*	*		*		*		*	*		

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



STANDARD BELT MATERIALS WITH MODUTECH CODE				
Material	Description	Code	Food Approved	Temperature
Polypropylene	<ul style="list-style-type: none"> <li>- Standard material for the most common conveying applications .</li> <li>- Excellent chemical resistance.</li> </ul>	PP	FDA - EU	+5 to +80 °C
Polyethylene	<ul style="list-style-type: none"> <li>- Excellent chemical resistance .</li> <li>- Well suited for very low temperature with good impact resistance .</li> <li>- Not suitable for abrasive conditions.</li> </ul>	PE	FDA - EU	-70 to +60 °C
Polyacetal	<ul style="list-style-type: none"> <li>- Good strength and low coefficient of friction .</li> <li>- Not suitable for chemical environment.</li> <li>- Suitable for heavy duty applications.</li> </ul>	POM	FDA - EU	Dry Conditions -38 to +90 °C Wet Conditions -35 to +60 °C

STANDARD BELT RAW MATERIALS WITH MODUTECH CODE				
Material	Description	Code	Food Approved	Temperature
Polyamide6	<ul style="list-style-type: none"> <li>- High strength and abrasion resistance.</li> <li>- Suitable for heavy duty applications.</li> <li>- Not suitable for wet conditions.</li> </ul>	PA6	FDA - EU	Dry Conditions -35 to +120 °C Wet Conditions Not Recommended
Polyamide6.6	<ul style="list-style-type: none"> <li>- Better strength and abrasion resistance.</li> <li>- Suitable for heavy duty applications.</li> <li>- Not suitable for wet conditions.</li> </ul>	PA6.6	FDA - EU	Dry Conditions -35 to +120 °C Wet Conditions Not Recommended
Antistatic Polyacetal	<ul style="list-style-type: none"> <li>- Reduced electrical surface to reduce belt charge up and dust accumulation.</li> <li>- Suitable for heavy duty applications and low temperature.</li> </ul>	POM	-	Dry Conditions -35 to +80 °C Wet Conditions Not Recommended
Detectable Polyacetal	<ul style="list-style-type: none"> <li>- Polyacetal with a special additive, which makes the material very well detectable for X-ray and metal detectors.</li> </ul>	POM	FDA - EU	Dry Conditions -38 to +90 °C
Detectable Polypropylene	<ul style="list-style-type: none"> <li>- Polypropylene with a special additive, which makes the material very well detectable for X-ray and metal detectors.</li> </ul>	PP	FDA - EU	+5 to +90 °C
Hot Water Resistant Polypropylene	<ul style="list-style-type: none"> <li>- Polypropylene with a special additive to improved temperature resistance.</li> <li>- Suitable for wet conditions.</li> </ul>	PPH	FDA - EU	+5 to +108 °C
Low Friction Acetal	<ul style="list-style-type: none"> <li>- Better strength and low coefficient of friction.</li> <li>- Not suitable for chemical environment.</li> <li>- Suitable for heavy duty applications.</li> </ul>	POM LF	FDA - EU	+5 to +108 °C
High Performance Acetal (PBT)	<ul style="list-style-type: none"> <li>- Extra wear resistance, strength and, low coefficient of friction.</li> <li>- Not suitable for chemical environment.</li> <li>- Suitable for heavy duty applications.</li> </ul>	POM HP	FDA - EU	-35 to +90 °C
Extra High Temperature (EHT)	<ul style="list-style-type: none"> <li>- Excellent heat resistance.</li> <li>- Suitable for light-medium duty applications at elevated temperatures.</li> </ul>	PA EHT	FDA - EU	Dry Conditions +4 to +210 °C Wet Conditions No Request

# Movement Technologies



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