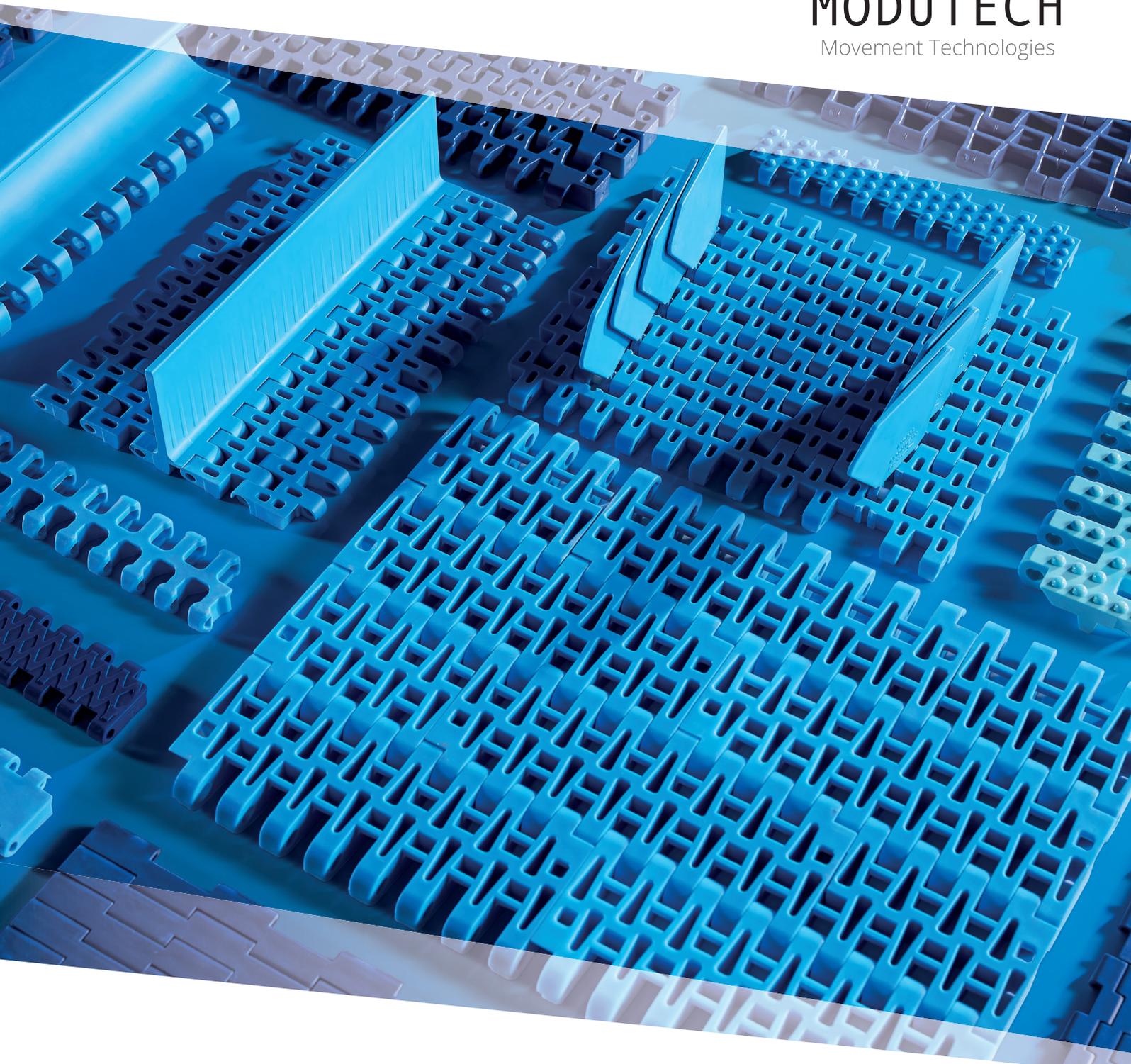


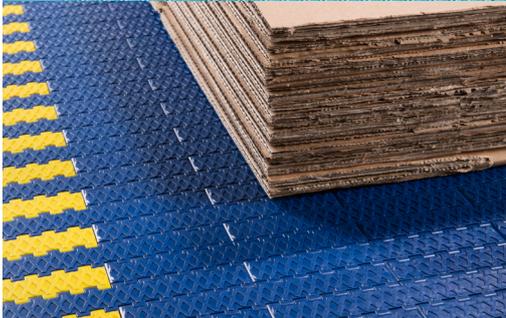


MODUTECH[®]

Movement Technologies



Modular Belt Product Brochure



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 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 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.



MODUTECH



Customer satisfaction based on qualified manufacturing

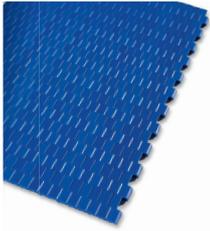






Index

0,3Inch - 8mm Micropitch Belt Series:



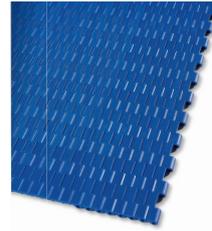
MP80 C
Micropitch Belt Series



MP80 FG
Micropitch Belt Series



MP80 NS
Micropitch Belt Series

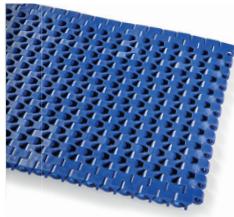


MP80 NP
Micropitch Belt Series

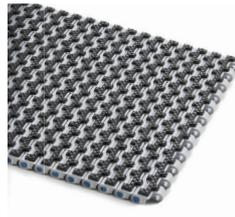
0,5 Inch - 12,7mm Modular Belt Series:



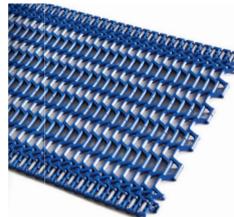
EC127 C



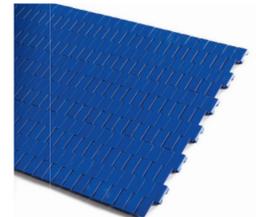
EC127 FG



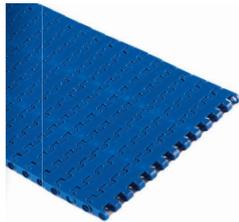
EC127 GT



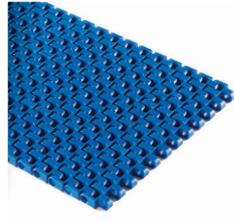
MD127 GAP50%



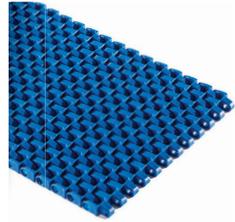
HC127 C



SM127 C



SM127 FG

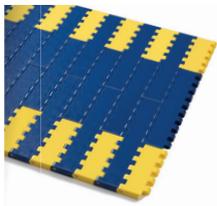


SM127 CRV

1 Inch - 25,4mm Modular Belt Series:



XP254 CR
Corrugated & Logistic
Belt Series



XP254 FLT-CR
Corrugated & Logistic
Belt Series



XP254 C



XP254 PR22%



XP254 FG



XP254 GT



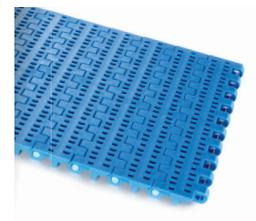
XP254 BT



EC254 C

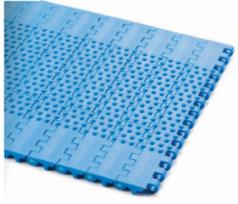


EC254 GT



EC254 PR16%

1 Inch - 25,4mm Modular Belt Series:



EC254 NT



HD254 C



MD254 FG



MD254 FG-RT



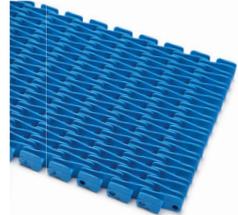
MD254 C



MD254 C-RT



MD254 GT



MD254 RR



MD254 GAP48%



MD254 GAP48%-EHT

2 Inch - 50,8mm Modular Belt Series:



HC508 C-MTW



EC508 C



EC508 C-RT



EC508 GT



EC508 PR22%



EC508 FG



EC508 FG-NT



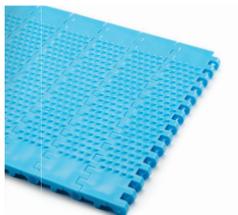
EC508 PR11%



EC508 PR13%



EC508 DT



EC508 NT



MD508 C



MD508 C-RT



MD508 FG



MD508 FG-RT

2 Inch - 50,8mm Modular Belt Series:



MD508 PR25%



MD508 NS



HP508 RR

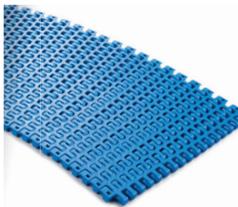


HP508 FG
Battery Belt

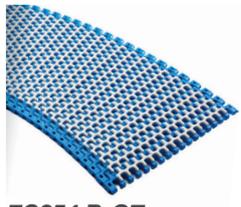


HP508 C

Sideflexing/Radius Modular Belt Series:



EC254 R
Radius Belt 2,1



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



EC254T R
Tight Radius Belt 1,4



EC381 R
Radius Belt



EC508T R
Tight Radius Belt 1,5

**Engineering
Guide**

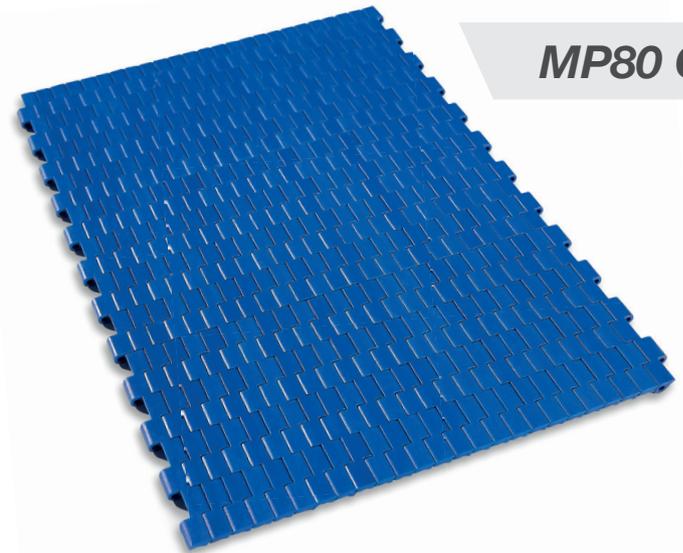
**Declarations &
Certificates**

0,3 Inch - 8mm Micropitch Series

MP80 C

Micropitch Series

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

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	-	-	-	-

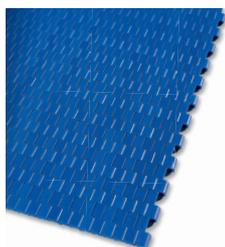
Belth Width mm	101,6	203,2	304,2	406,4	508,0	609,6	711,2	812,8	914,4	1016,0	1117,6	1219,2	1320,8	1422,4	1524,0	1625,6
Belth Width inch	4.00	8.00	12.00	16.00	20.00	24.00	28.00	32.00	36.00	40.00	44.00	48.00	52.00	56.00	60.00	64.00
Belth Width mm	1727,2	1828,8	1930,4	2032,0	2133,6											
Belth Width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

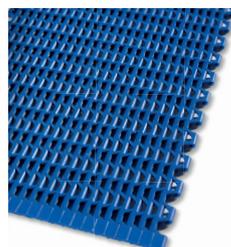
Important Notes

- 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.



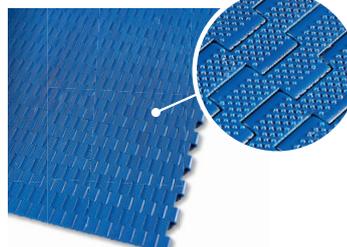
MP80 C

Micropitch Belt Series



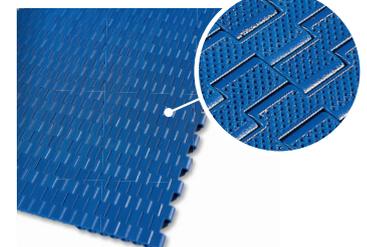
MP80 FG

Micropitch Belt Series



MP80 NS

Micropitch Belt Series
Non-slip Surface



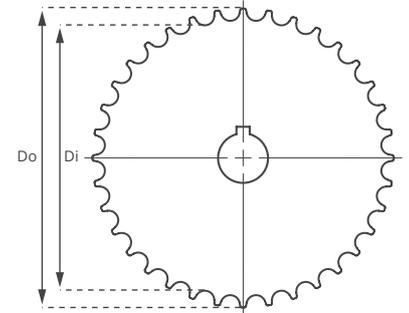
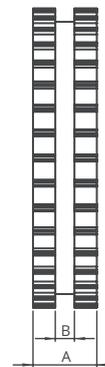
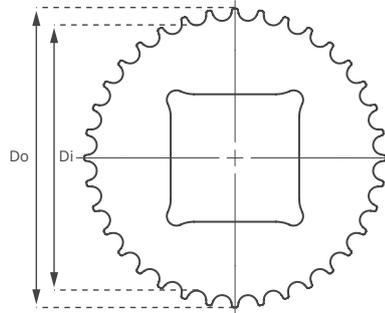
MP80 NP

Micropitch Belt Series
Negative Pyramid Surface

Technical Specification



Z36



MP80 Micro Pitch Series / Machined Sprockets Dimensions

NO. TEETH	Di mm/inch	Do mm/inch	B mm/inch	A mm/inch	Square Bore (Q)		Round Bore (R)		PRODUCT CODE	
					mm/inch	mm/inch	mm/inch	mm/inch	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 available for each size.



**Tight
Transfer**

Precise transfer even the smallest products!

Micropitch belt series are suitable to run 6 mm nosebar roller.



0,5 Inch - 12,7mm Modular Belt Series

EC127 Series

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

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/m ² lb/sqft ²	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	-	-

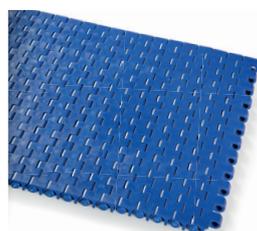
Belt Width mm	50,0	100,0	150,0	200,0	250,0	300,0	350,0	400,0	450,0	500,0	550,0	600,0	650,0	700,0	750,0	800,0	850,0	900,0
Belt Width inch	1.97	3.94	5.91	7.87	9.84	11.81	13.78	15.75	17.72	19.69	21.65	23.62	25.59	27.56	29.53	31.50	31.50	35.43
Belt Width mm	950,0	1000,0	1050,0															
Belt Width inch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

Product Features and Functional Benefits

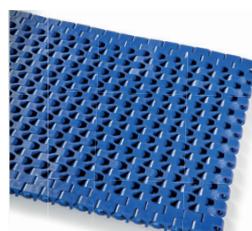
- Less vibration in high speed and nosebar applications.
- Wear resistance in high speed applications with tight transfer.
- Unique sprocket engagement reduces pulsation.
- Tight transfer applications.
- Tight transfer and high speed conveyors.

Important Notes

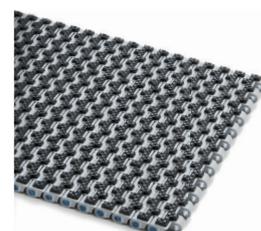
- Standard belt increments 50 mm.
- Non-standard belt increments 16,6 mm.
- Special raw materials and additional colors available.
- Please contact with customer service for precise belt measurements.
- For PP material up to 750 mm (30") -1 mm to 2 mm and 0% to 0.4% for wider belts.
- For POM material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



EC127 C



EC127 FG



EC127 GT

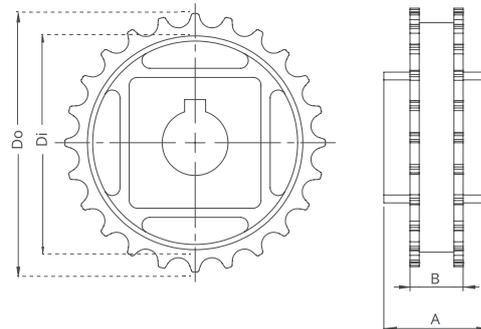
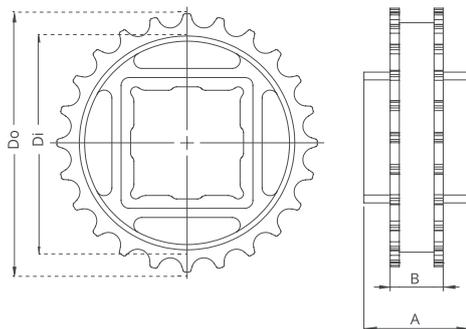
Friction Top

Accessories & Technical Specification



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	-	-



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.

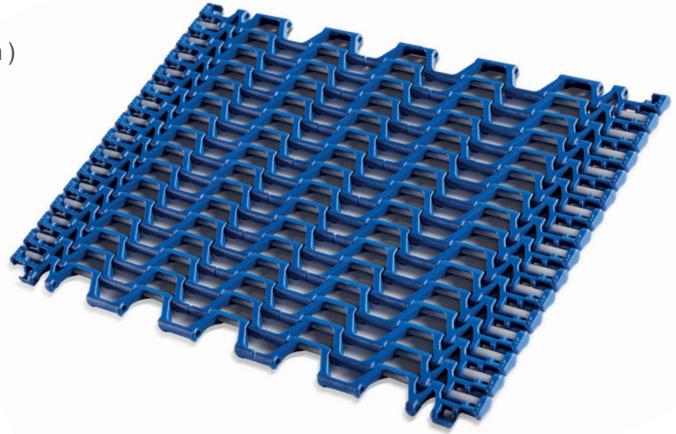
*Machined Split Sprockets are available for each size.

0,5 Inch - 12,7mm Modular Belt Series

MD127GAP50% Series

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

MD127GAP50%



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/m ² lb/sqft ²	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	-	-

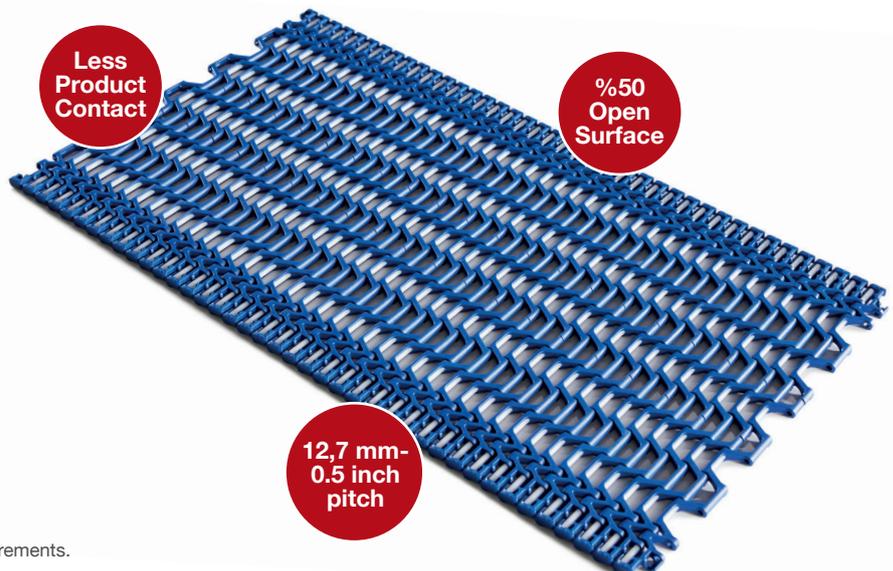
Belt Width mm	203,20	254,00	304,80	355,60	406,40	457,20	508,00	558,80	609,60	660,40	711,20	762,00	812,80	863,60	914,40
Belt Width inch	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00	26.00	28.00	30.00	32.00	34.00	36.00
Belt Width mm	965,20	1016,0	1066,80	1177,60	1168,40	1219,20									
Belt Width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

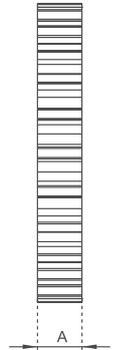
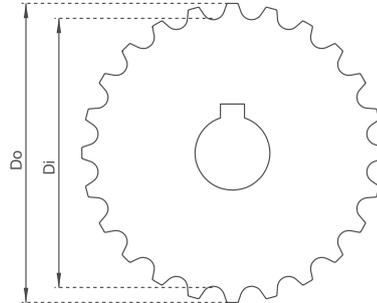
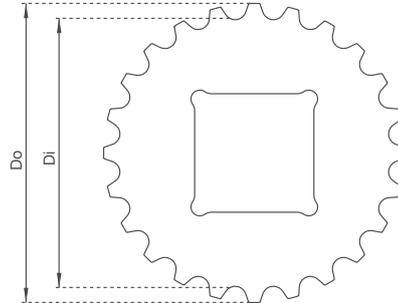
- Standard belt increments 101,6 mm.
- Non-standard belt increments 50,8 mm.
- Special raw materials and additional colors available.
- Please contact with customer service for precise belt measurements.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- For POM material up to 750 mm (30")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



Technical Specification



Z19



MD127 GAP50% Series / Machined Sprockets Dimensions

NO. TEETH	Di mm/inch	Do mm/inch	B mm/inch	A mm/inch	Square Bore (Q)		Round Bore (R)		PRODUCT CODE	
					mm/inch	mm/inch	mm/inch	mm/inch	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 available for each size.



0,5 Inch - 12,7mm Modular Belt Series

HC127 Series

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

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
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
Belth Width mm	1016,0	1066,80	1117,60	1168,40	1219,20	1270,00									
Belth Width inch	38.00	42.00	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.



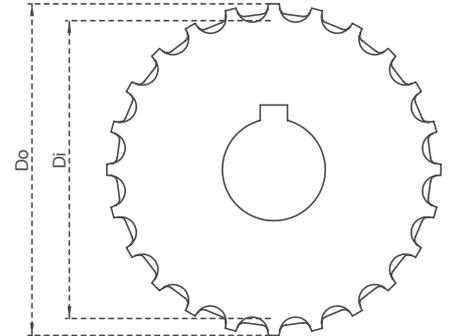
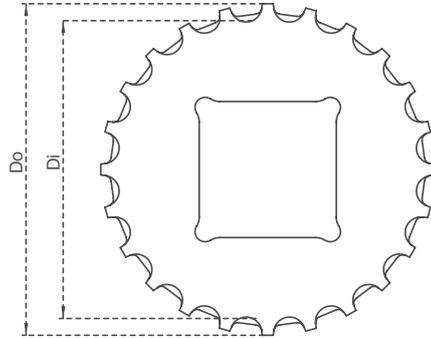
Super Clean

Open Double Hinge

Technical Specification



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.

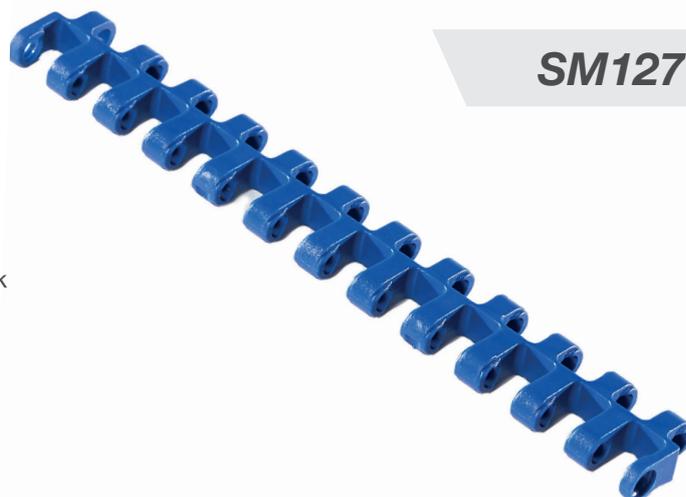
*Other sprockets and hub sizes are manufactured up to request.

*POM (Acetal) and PA (Polyamide) sprockets raw material is available on request.

*Machined Split Sprockets are available for each size.



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

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/m ² lb/sqft ²	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
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
Belth Width mm	914,40	965,20	1016,00	1066,80	1117,60	1168,40									
Belth Width inch	34.00	36.00	38.00	40.00	42.00	44.00									

Product Features and Functional Benefits

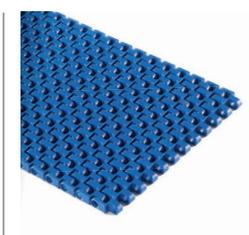
- Less vibration in high speed and nosebar applicaitons.
- Wear resistance in high speed applications with tight transfer.
- Unique sprocket engagement reduces pulsation.
- Tight transfer applications.
- Tight transfer and high speed conveyors.

Important Notes

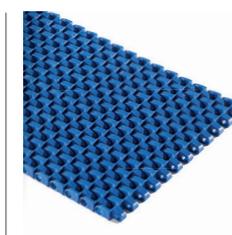
- Standard belt increments 76,2 mm.
- Non-standard belt increments 12,7 mm.
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.



SM127 C



SM127 FG



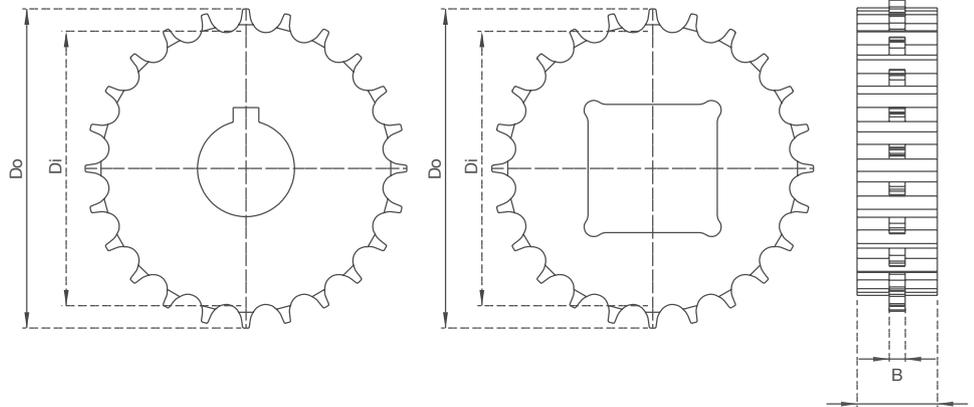
SM127 CRV

Curve Top

Technical Specification



Z24



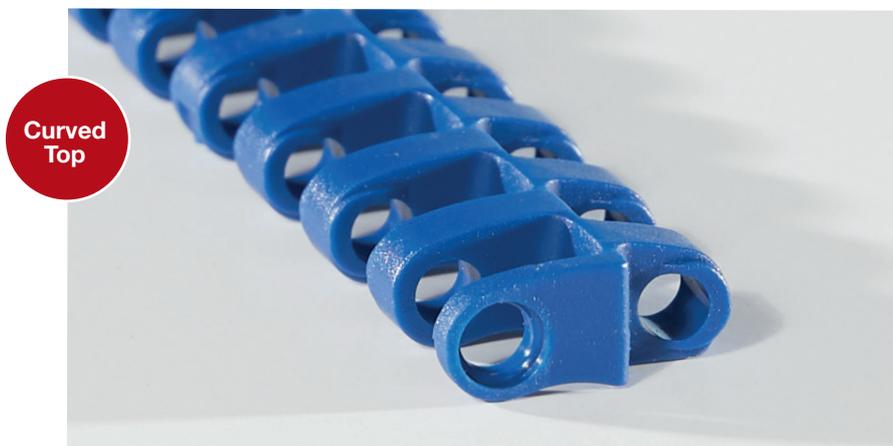
SM127 Series / Machined Sprockets Dimensions

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 available for each size.

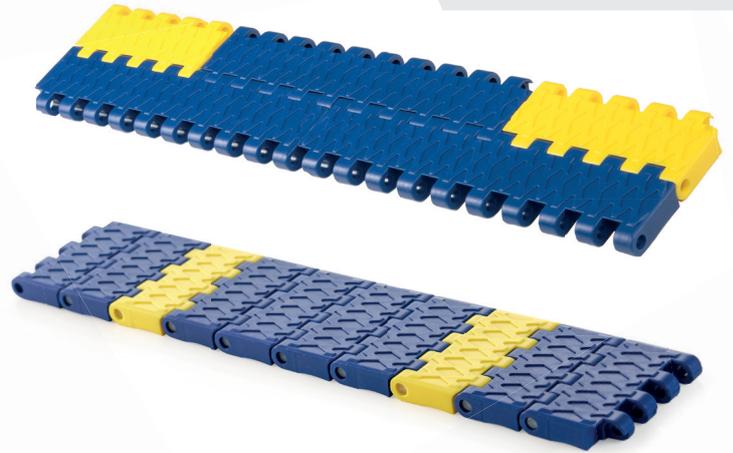


1 Inch - 25,4mm Corrugated Belt Series

XP254 Series

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



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/m ² lb/sqft ²	8.1 / 1.67

50mm Single Module Available.

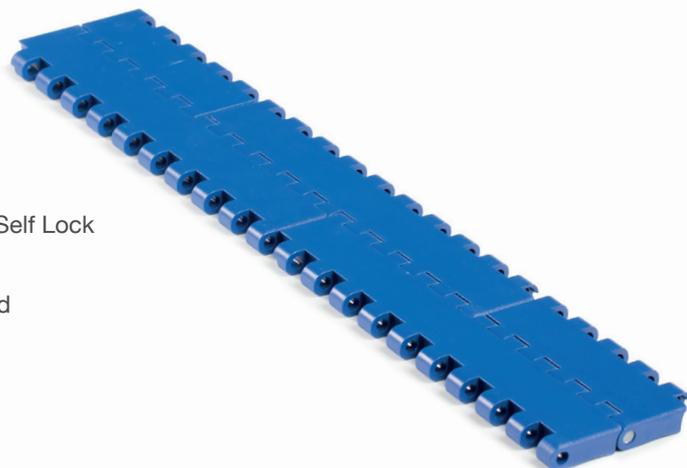


Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter for gravity take up center drive rollers (min.)		Backbending radius for elevators without side guards or hold down devices (min.)		Backbending radius for elevators with side guards or hold down devices (min.)	
mm	inch	mm	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
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
Belth Width mm	1143,0	1219,2	1295,4	1371,6	1447,8	1524,0									
Belth Width inch	45.00	48.00	51.00	54.00	57.00	60.00									

XP254 FLT-CR

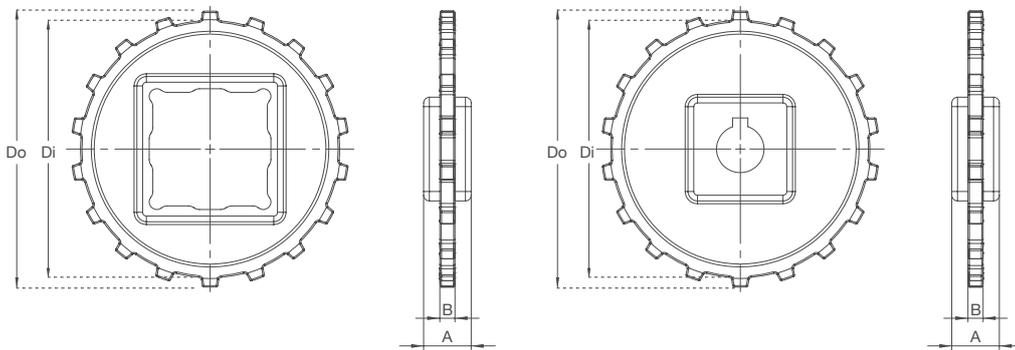
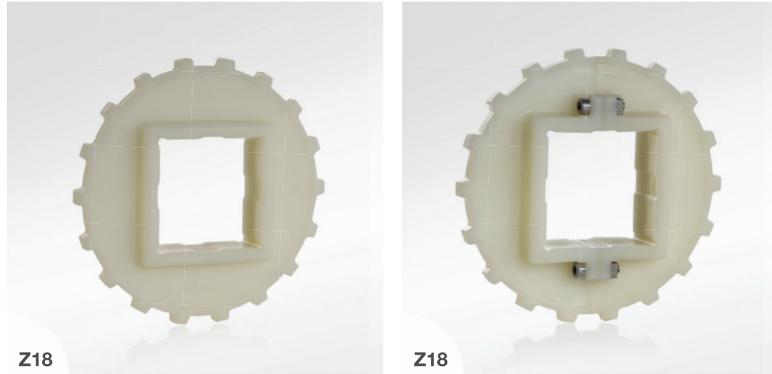
Pitch:	25,4 mm / 1 inch
Belt Surface:	Close, Smooth Surface
Minimum Width:	76,2 mm / 3 inch
Open Area (%):	0%
Flight:	No
Sidewall:	No
Pin:	Ø4,5 mm / 0.177 inch - Self Lock
Approved:	FDA and EU
Color:	Blue / Gray / Yellow / Red
Cleanability:	Good
Belt Thickness:	8,8 mm / 0.346 inch



Technical Specification



- 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 available for each size.



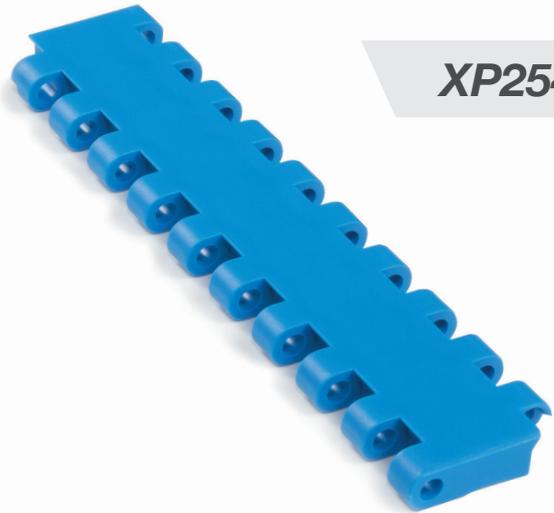
Safety first because Modutech cares about you!
 Non-skid surface offers safety through walking for corrugated industry .

1 Inch - 25,4mm Modular Belt Series

XP254 Series

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



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/m ² lb/sqft ²	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
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
Belth Width mm	1219,2	1371,6	1447,8	1524,0	1600,2										
Belth Width inch	48.00	54.00	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 C



XP254 PR22%



XP254 FG



XP254 GT

Friction Top



XP254 BT

Ball Top

*This product is not available in Italy, Germany, Great Britain, the Netherlands, and Spain.

Accessories & Technical Specification



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



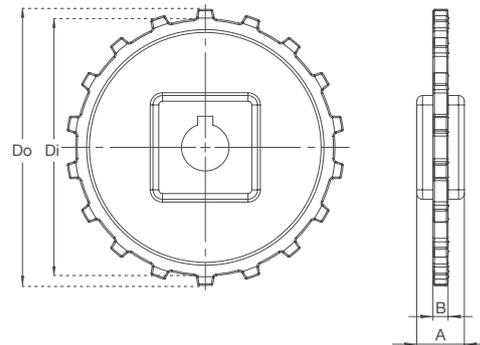
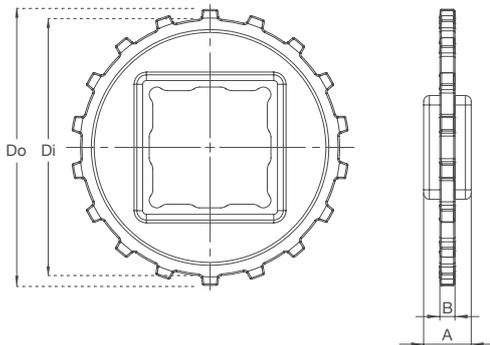
- Split moulded sprockets are available for XP254 Z15 & Z18!



Z18



Z18



XP254 Series / Standard Sprockets Dimensions

NO. TEETH	Di mm/inch	Do mm/inch	B mm/inch	A mm/inch	Square Bore (Q)		Round Bore (R)		PRODUCT CODE	
					mm/inch	mm/inch	mm/inch	mm/inch	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

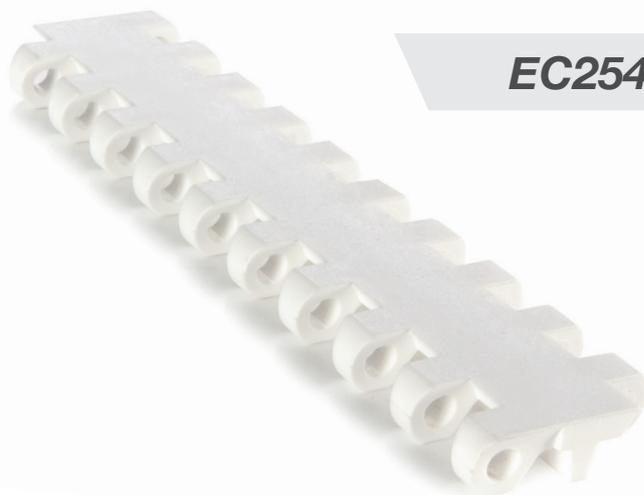
*Other sprockets and hub sizes are manufactured up to request. *POM (Acetal) and PP (Polypropylene) sprockets raw material is available on request.

*Machined Split Sprockets are available for each size.

1 Inch - 25,4mm Modular Belt Series

EC254 Series

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

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

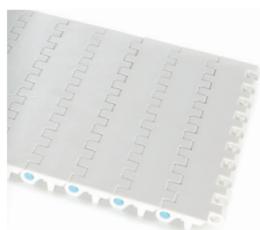
Belth Width mm	76,2	152,4	228,6	304,8	381,0	457,20	533,4	609,6	685,8	762,0	838,2	914,4	990,6	1066,8	1143,0
Belth Width inch	3.00	6.00	9.00	12.00	15.00	18.00	21.00	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00
Belth Width mm	1219,2	1295,4	1371,6	1447,8	1524,0	1600,2									
Belth Width inch	48.00	51.00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

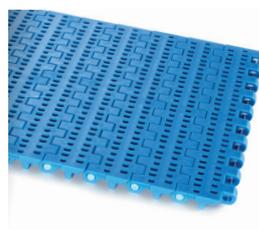


EC254 C

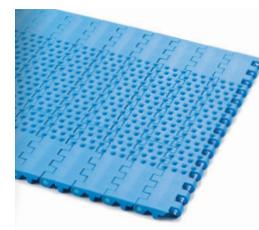


EC254 GT

Friction Top



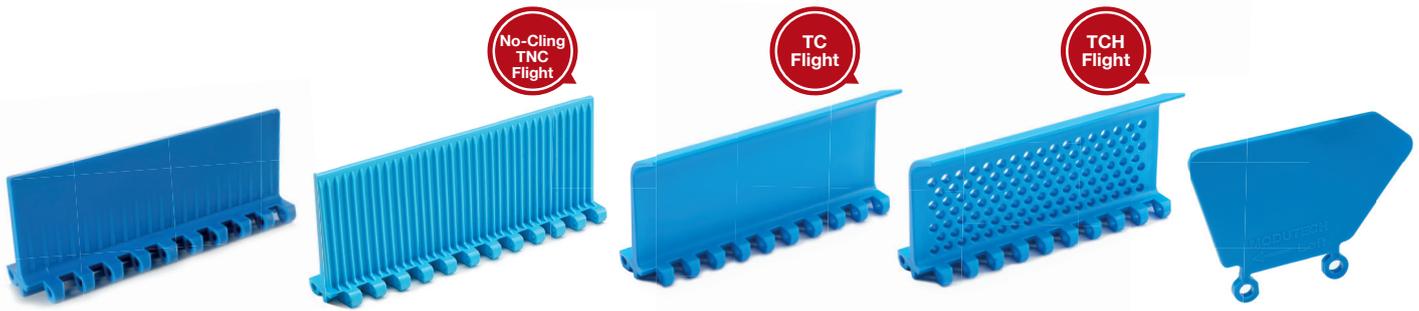
EC254 PR16%



EC254 NT

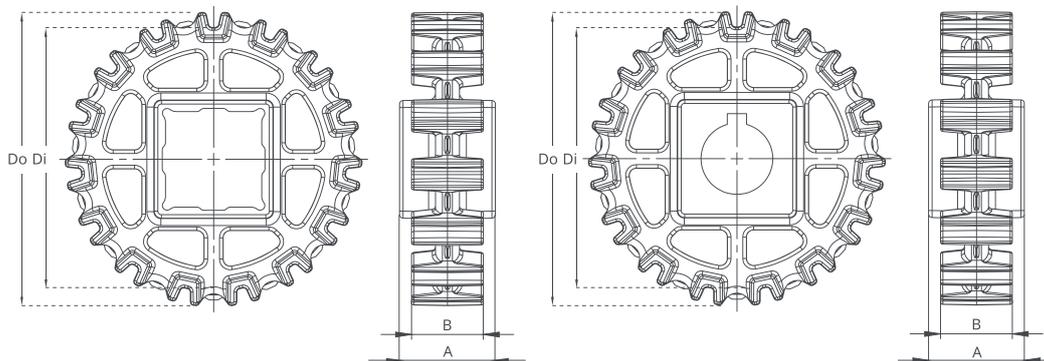
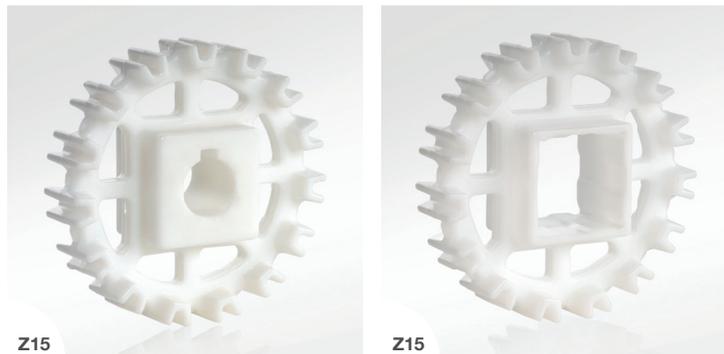
Nub Top

Accessories & Technical Specification



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	-	-



EC254 Series / Moulded Sprockets Dimensions

NO.TEETH	Di mm/inch	Do mm/inch	B mm/inch	A mm/inch	Square Bore (Q)		Round Bore (R)		PRODUCT CODE	
					mm/inch	mm/inch	mm/inch	mm/inch	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 available for each size.

1 Inch - 25,4mm Modular Belt Series

HD254 Series

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



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/m ² lb/sqft ²	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
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
Belth Width mm	2708,8	2878,1	3047,4	3216,7	3386,0	3555,3									
Belth Width inch	106.65	113.31	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.

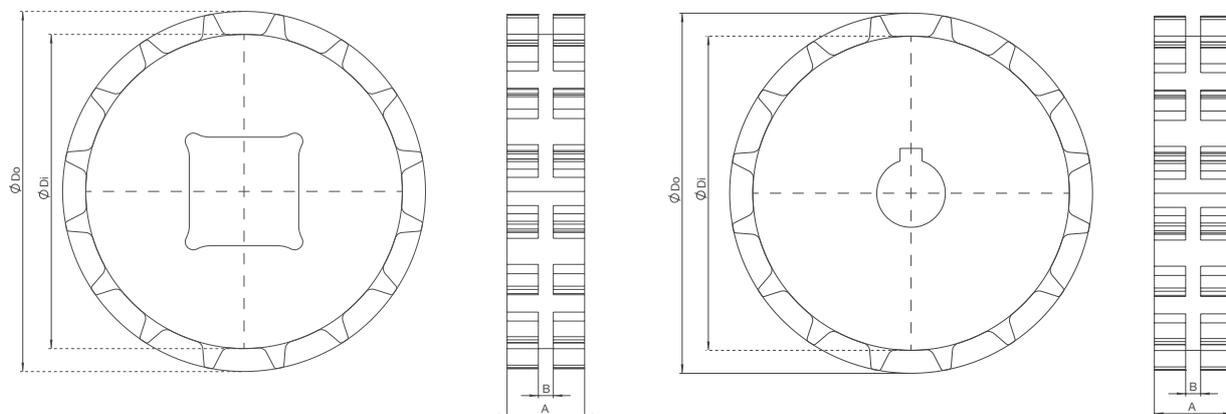
Important Notes

- **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

Technical Specification

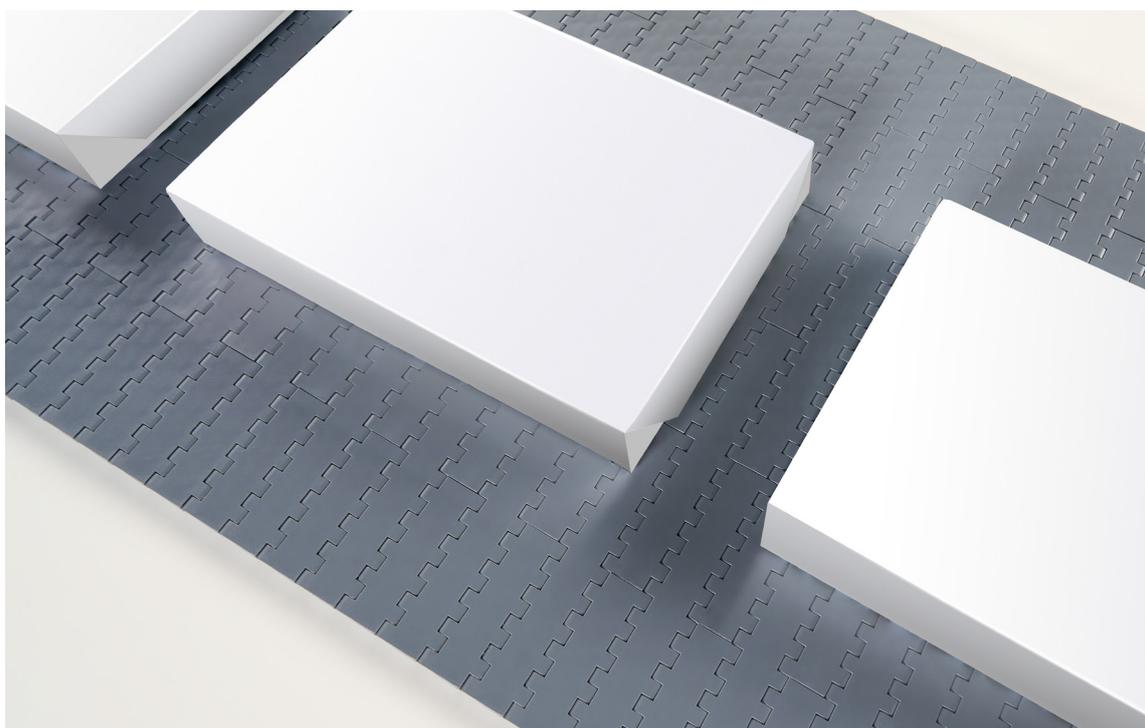


HD254 C Series / Standard Sprockets Dimensions

NO. TEETH	Di mm/inch	Do mm/inch	B mm/inch	A mm/inch	Square Bore (Q)		Round Bore (R)		PRODUCT CODE	
					mm/inch	mm/inch	mm/inch	mm/inch	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 available for each size.



1 Inch - 25,4mm Modular Belt Series

MD254 Series

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

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/m ² lb/sqft ²	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
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
Belth Width mm	800,0	850,0	900,0	950,0	1000,0	1050,0									
Belth Width inch	31.50	33.46	35.43	37.40	39.37	41.34									



MD254 FG



MD254 FG-RT

Roller Top



MD254 C



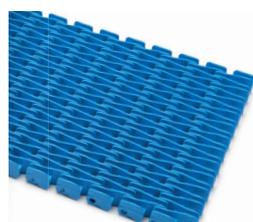
MD254 C-RT

Roller Top



MD254 GT

Friction Top



MD254 RR



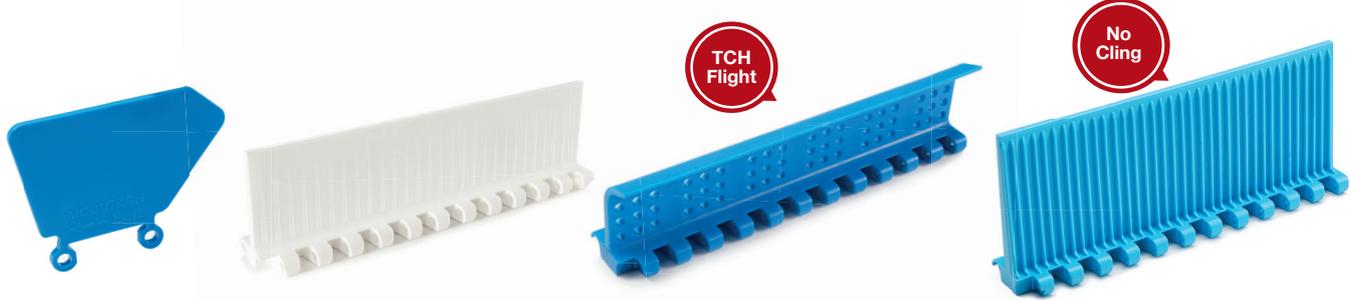
MD254 GAP48%



MD254 GAP48%-EHT

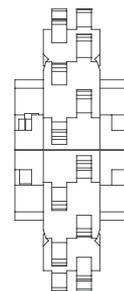
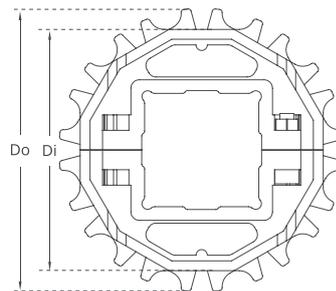
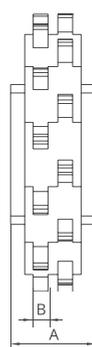
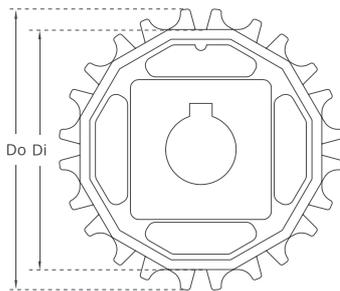
Extra High Temperature

Accessories & Technical Specification



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	-	-



MD254 C Series / Moulded Sprockets Dimensions

NO. TEETH	Di mm/inch	Do mm/inch	B mm/inch	A mm/inch	Square Bore (Q)		Round Bore (R)		PRODUCT CODE	
					mm/inch	mm/inch	mm/inch	mm/inch	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 available for each size.

2 Inch - 50,8mm Modular Belt Series

HC508 Series

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

HC508 C-MTW



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

HC508 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/m ² lb/sqft ²	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	-	-	-	-

Belt Width mm	406,4	457,2	508,0	609,6
Belt 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.



HC508 C-MTW

Mold to width

2 Inch - 50,8mm Modular Belt Series

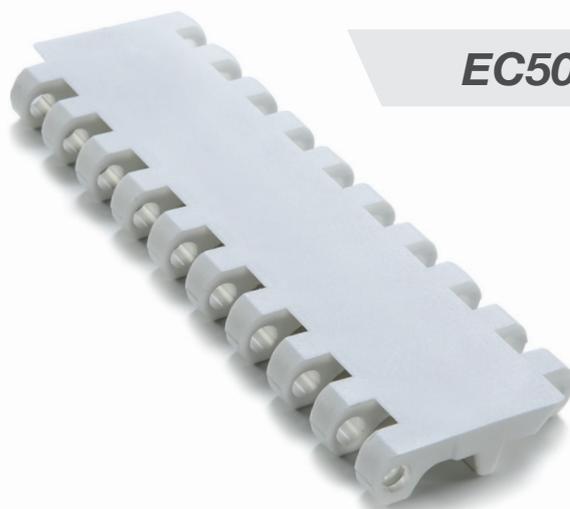
HC508
Series



2 Inch - 50,8mm Modular Belt Series

EC508 Series

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



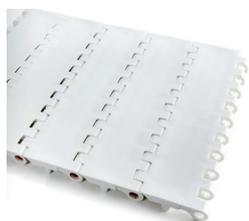
EC508 C

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	-40 / +93	-40 / +93	-40 / +65	+5 / +105	+5 / +93	-40 / +65	-70 / +65
	°F	-40 / +200	-40 / +200	-40 / +150	+40 / +220	+40 / +200	+40 / +150	-50 / +150
Belt Weight	kg/m ² lb/sqft ²	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
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
Belth Width mm	1700,0	1800,0	1900,0	2000,0	2100,0	2200,0									
Belth Width inch	66.93	70.87	74.80	78.74	82.68	86.61									



EC508 C



EC508 C-RT

Roller Top



EC508 GT

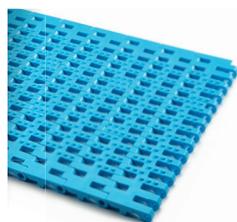
Friction Top



EC508 PR22%



EC508 FG



EC508 FG-NT



EC508 PR11%



EC508 PR13%



EC508 DT



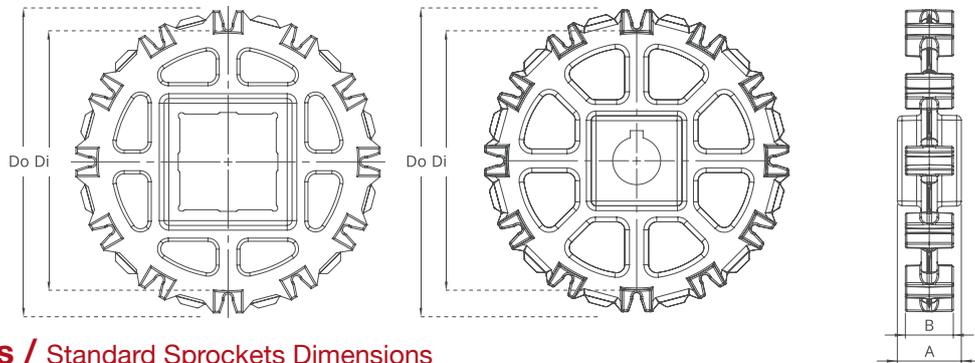
EC508 NT

Accessories & Technical Specification



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	-	-
EC508TCC100	100 / 4	200 / 7.87	-	-



EC508 Series / Standard Sprockets Dimensions

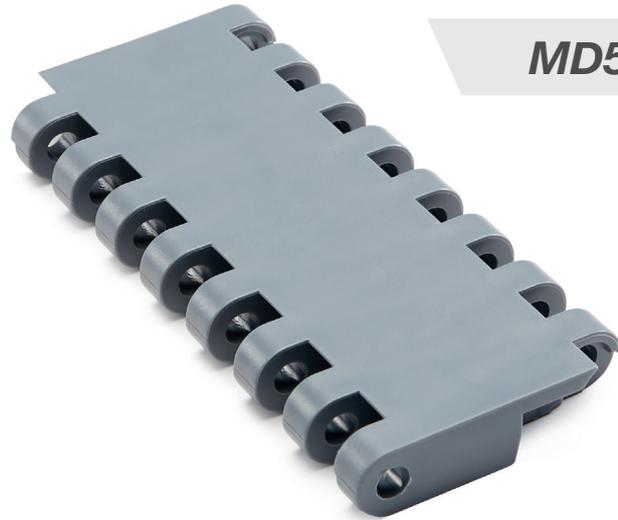
NO. TEETH	Di mm/inch	Do mm/inch	B mm/inch	A mm/inch	Square Bore (Q)		Round Bore (R)		PRODUCT CODE	
					mm	inch	mm	inch	Square Type (Q)	Round Type (R)
Z6	72,9 / 2.87	90,2 / 3.54	30,0 / 1.18	40,0 / 1.57	40	1.5	25-30	1-1.25	EC508SQZ6*PA	EC508SRZ6*PA
Z8	107,1 / 4.22	124,6 / 4.91	30,0 / 1.18	40,0 / 1.57	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 available for each size.

2 Inch - 50,8mm Modular Belt Series

MD508 Series

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

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/m ² lb/sqft ²	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

Belt 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
Belt 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
Belt Width mm	1275,0	1350,0	1425,0	1500,0	1575,0	1650,0	1725,0								
Belt Width inch	50.20	53.15	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 withstand 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



MD508 C-RT

Roller Top



MD508 FG



MD508 FG-RT

Roller Top

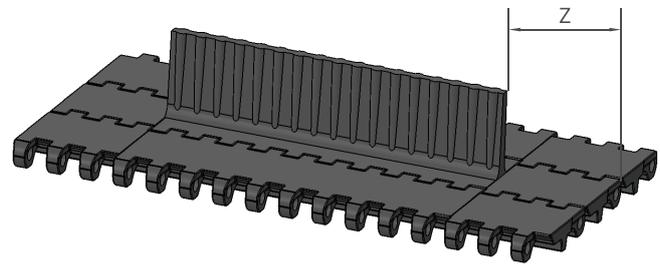


MD508 PR25%



MD508 NS

Accessories & Technical Specification



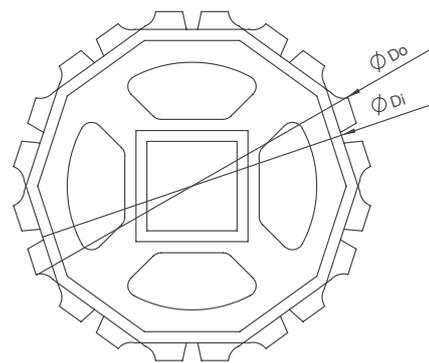
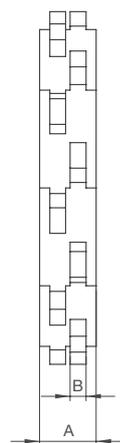
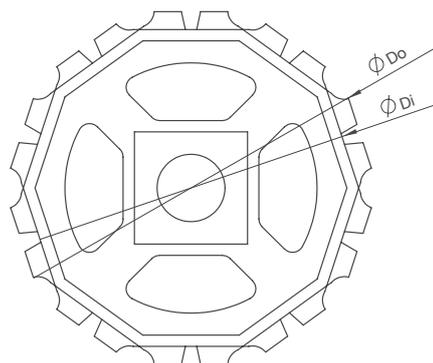
MD508 Series / Flight Dimensions

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 / Moulded Sprockets Dimensions

NO. TEETH	Di mm/inch	Do mm/inch	B mm/inch	A mm/inch	Square Bore (Q)		Round Bore (R)		PRODUCT CODE	
					mm/inch	mm/inch	mm/inch	mm/inch	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 available for each size.

2 Inch - 50,8mm Modular Belt Series

HP508 Series

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



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/m ² lb/sqft ²	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	250	10

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
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
Belth Width mm	1295,4	1371,6	1447,8	1524,0	1600,2	1676,4									
Belth Width inch	51.00	54.00	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 C



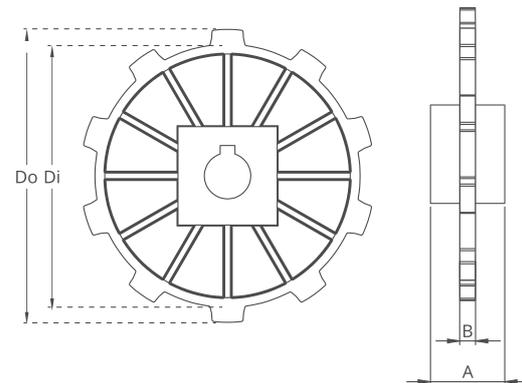
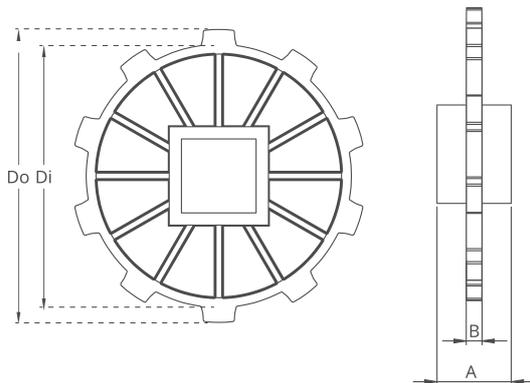
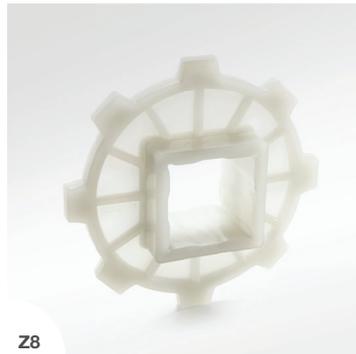
HP508 RR



HP508 FG

Battery Belt

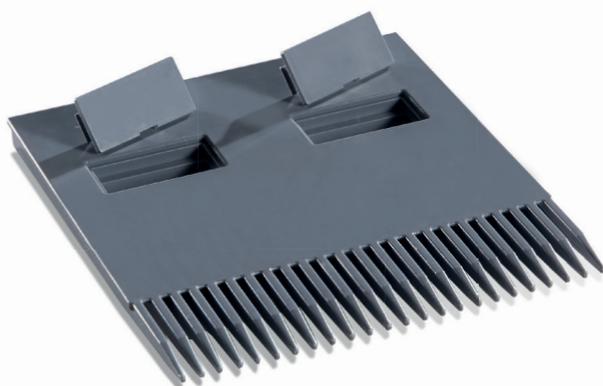
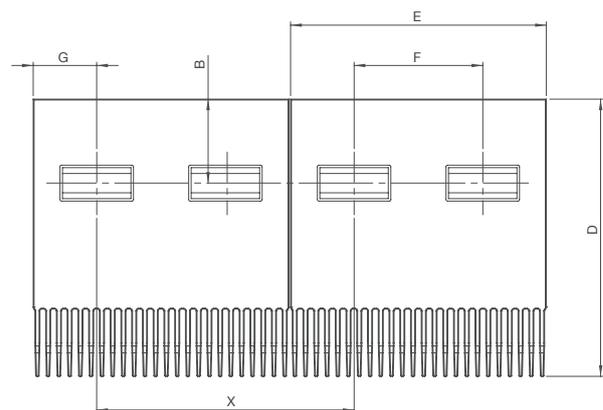
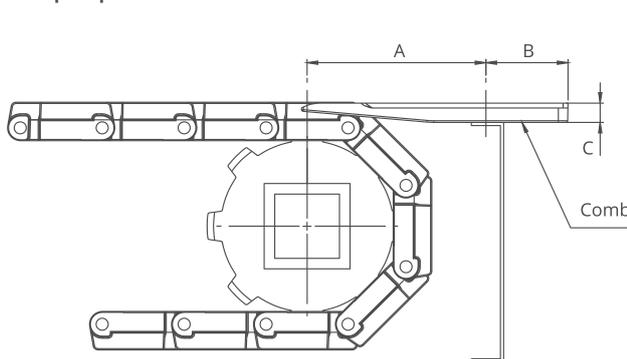
Accessories & Technical Specification



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 available for each size.



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

1 inch - 25,4mm / Radius Belts

Modular Belt Series

EC254 R

Series

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
Belt Thickness:	11 mm / 0.433 inch



EC254 R

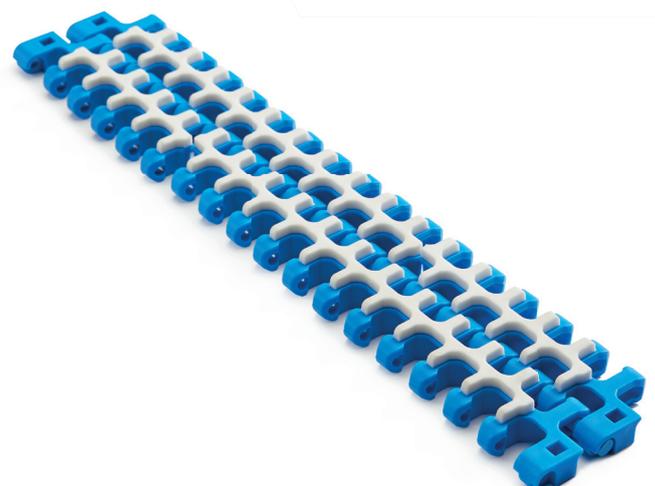
EC254 R Technical Information

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/m ² lb/sqft ²	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

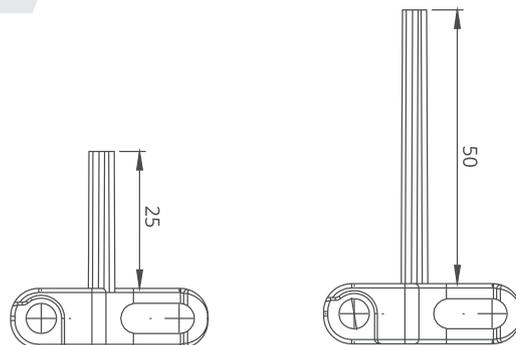
Belth Width mm	200,0	250,0	300,0	350,0	400,0	450,0	500,0	550,0	600,0	650,0	700,0	750,0	800,0	850,0	900,0
Belth Width inch	7.87	9.84	11.81	13.78	15.75	17.72	19.69	21.65	23.62	25.59	27.56	29.53	31.50	33.46	35.43
Belth Width mm	950,0	1000,0	1050,0	1100,0	1150,0	1200,0									
Belth Width inch	37.40	39.34	41.34	43.31	45.28	47.24									

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
Belt Thickness:	15,5 mm / 0.61 inch

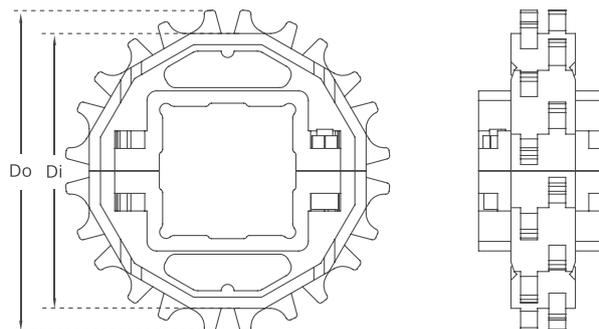
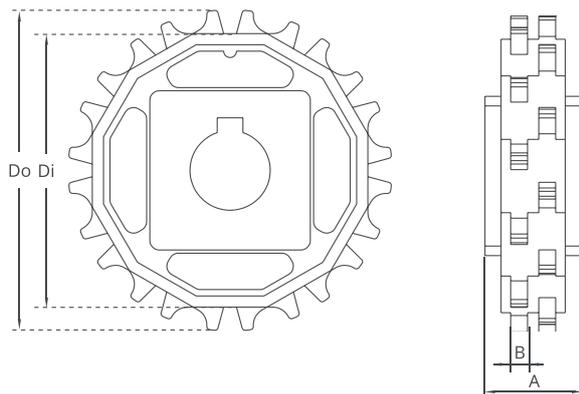
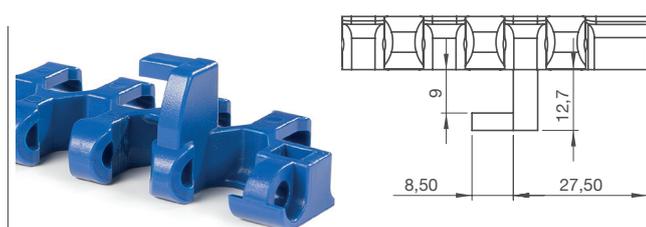


EC254 R-GT

Accessories & Technical Specification



EC254 R Series / TAB - Technical Specification



EC254 R Series / Standard Sprockets Dimensions



Split moulded sprockets are available.

NO. TEETH	Di mm/inch	Do mm/inch	B mm/inch	A mm/inch	Square Bore (Q)		Round Bore (R)		PRODUCT CODE	
					mm/inch	mm/inch	mm/inch	mm/inch	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 available for each size.

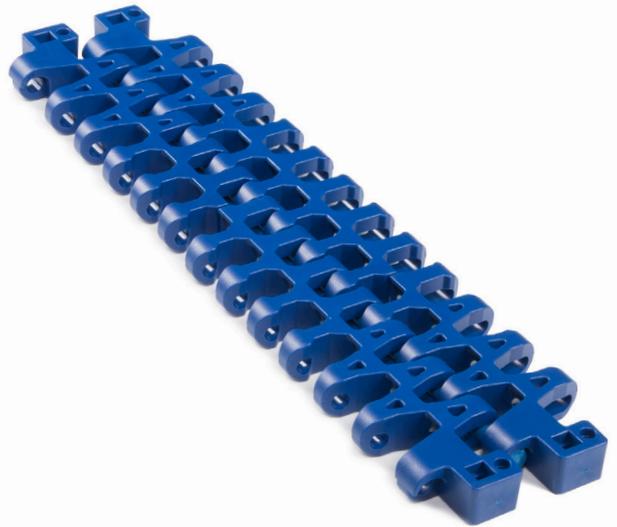
1 inch - 25,4mm / Tight Radius Belts

Modular Belt Series

EC254T R

Series

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
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/m ² lb/sqft ²	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	-	-

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
Belt 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
Belt Width mm	1000,0	1050,0	1100,0	1150,0	1200,0										
Belt Width inch	39.37	41.34	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 Representatives.
- 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.

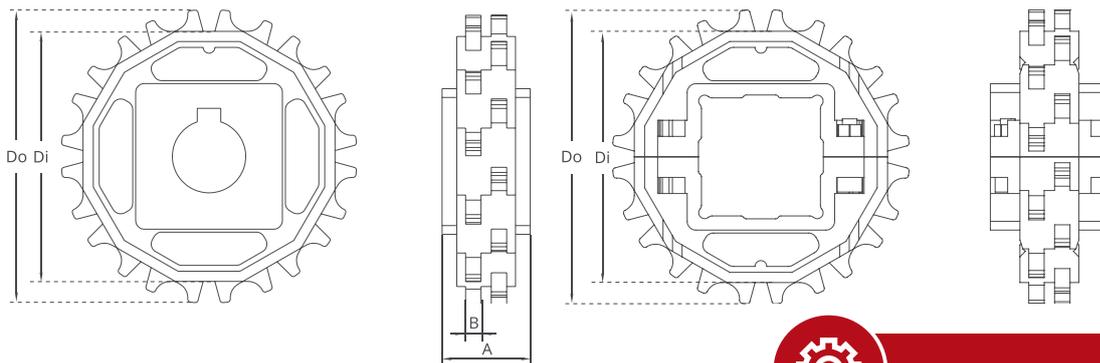
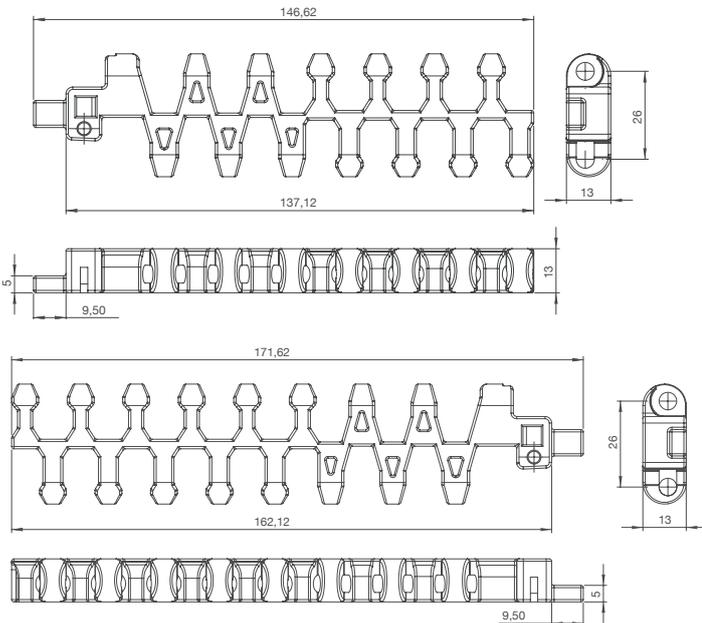


1 inch - 25,4mm / Tight Radius Belts

Modular Belt Series

EC254T R Series

Accessories & TAB-Technical Specification



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)		Round Bore (R)		PRODUCT CODE	
					mm/inch	mm/inch	mm/inch	mm/inch	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-TR254SQ10*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-TR254SQ12*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-TR254SQ15*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-TR254SQ16*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-TR254SQ18*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-TR254SQ20*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 available for each size.

1.5 inch - 38,1mm / Radius Belts

Modular Belt Series

EC381 R

Series

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
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/m ² lb/sqft ²	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
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
Belth Width mm	950,0	1000,0	1050,0	1100,0	1150,0	1200,0									
Belth Width inch	37.40	39.37	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.

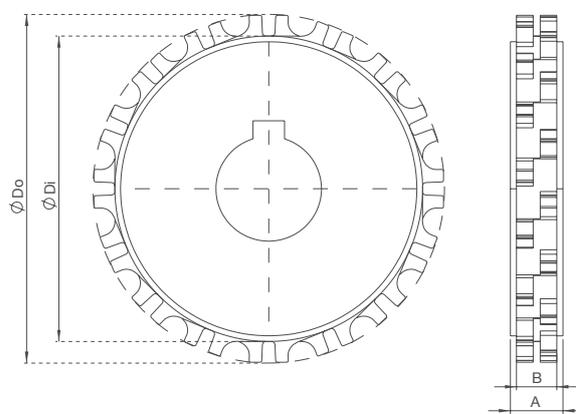
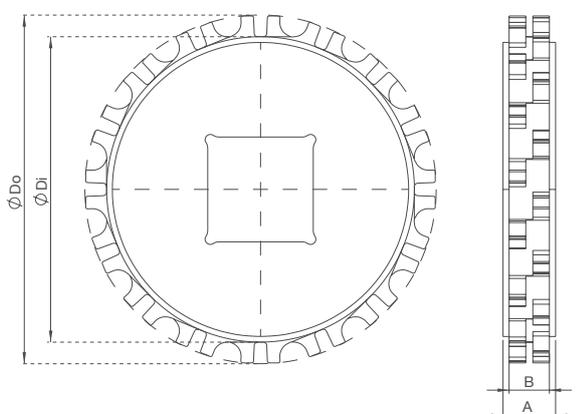
Accessories & Technical Specification



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 available for each size.



2 inch - 50,8mm / Tight Radius Belts

Modular Belt Series

EC508T R

Series

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
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/m ² lb/sqft ²	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

Belt 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
Belt 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
Belt Width mm	1270,0	1320,8	1371,6	1422,4	1473,2	1524,0									
Belt Width inch	50.00	52.00	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.



2 inch - 50,8mm / Tight Radius Belts

Modular Belt Series

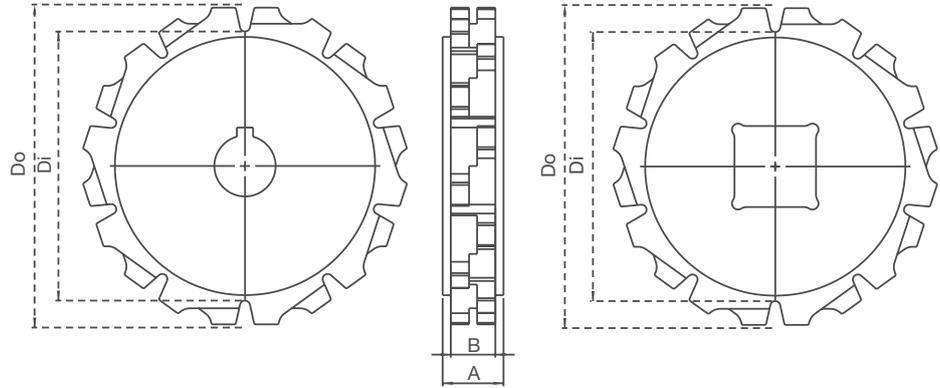
EC508T R

Series

Accessories & Technical Specification



Z8



EC508T R Series / Machined Sprockets Dimensions

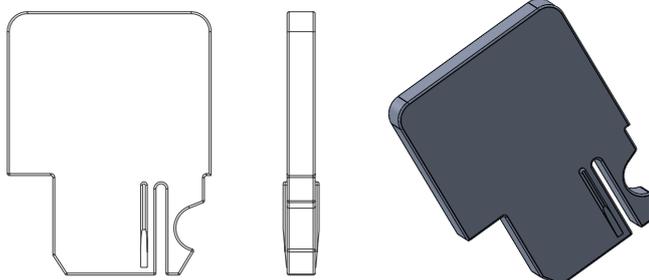
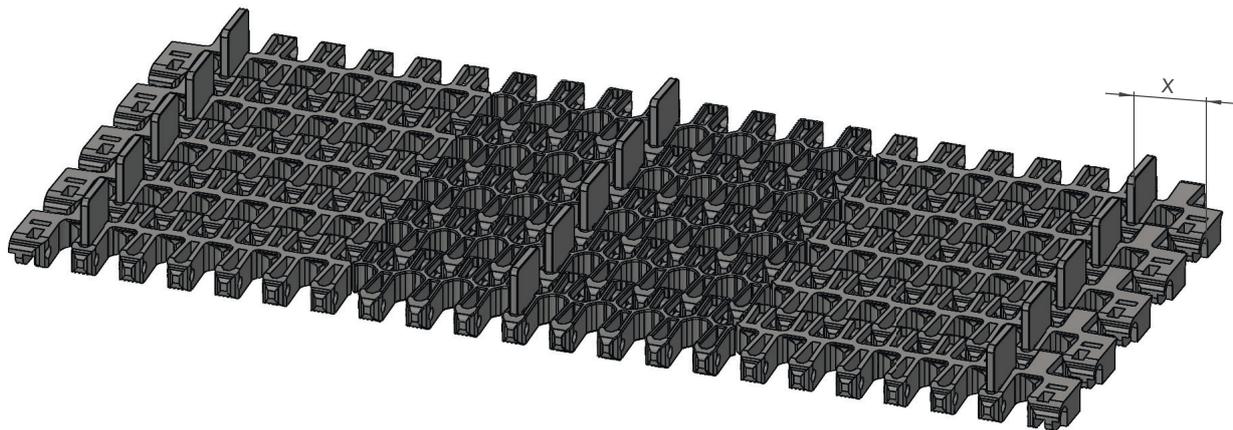
NO. TEETH	Di mm/inch	Do mm/inch	B mm/inch	A mm/inch	Square Bore (Q) mm/inch		Round Bore (R) mm/inch		PRODUCT CODE	
									Square Type (Q)	Round Type (R)
Z8	99,7 / 3.92	127,4 / 5.01	22,0 / 0.87	30,0 / 1.18	40	1.5	25-30	1-1.25	EC508TRSQZ8*POM	EC508TRSRZ8*POM
Z10	133,6 / 5.26	160,4 / 6.31	22,0 / 0.87	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 available 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

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 <i>Freezing, Proofing & Cooling</i>
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 General Use Wet Chemical Resistance Low Temperature Low Temperature High Load Dry	PP PP PP PE POM POM	PP - POM - PA or PBT POM - PP or PBT PP or PBT PE - POM or PBT PE - POM or PBT PA or PBT
High Temperature	High Load Dry Wet 55 to 108 °C Temperature up to 180 °C	POM PPH (special) PA	PA or PBT PPH (Special) / Steel or PBT PA / Steel or PBT
Abrasive Conditions	Dry Wet up to 55 °C	POM PP	PA or PBT POM or PBT

STANDARD BELT MATERIALS WITH MODUTECH CODE				
Material	Description	Code	Food Approved	Temperature
Polypropylene	<ul style="list-style-type: none"> - Standard material for the most common conveying applications. - Excellent chemical resistance. 	PP	FDA - EU	+5 °C to +105 °C
Polyethylene	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 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 Recommended
Polyamide6.6	<ul style="list-style-type: none"> - 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 Recommended
Antistatic Polyacetal	<ul style="list-style-type: none"> - Reduced electrical surface to reduce belt charge up and dust accumulation. - Suitable for heavy duty applications and low temperature. 	POM	-	Dry Conditions -40 °C to +93 °C Wet Conditions -40 °C to +60 °C
Detectable Polyacetal	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - Polypropylene with a special additive to improved temperature resistance. - Suitable for wet conditions. 	PPH	FDA - EU	+5 °C to +115 °C
Low Friction Acetal	<ul style="list-style-type: none"> - 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)	<ul style="list-style-type: none"> - 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)	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 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)	<ul style="list-style-type: none"> - 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)	<ul style="list-style-type: none"> - 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



**TOGETHER
WITH OUR LOCAL
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MODUTECH®
Movement Technologies

- | | | | | | | | |
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Movement Technologies

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