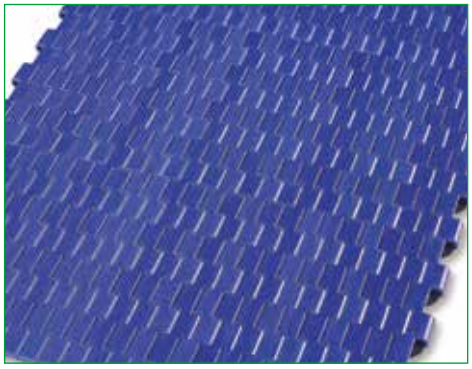
STRAIGHT MODULAR BELTS

sit DRIVE SOLUTIONS

Straight Modular belts

NMMP80C

PITCH 8 mm / 0,3”



Belt type: closed flat top surface
Pin diameter: Ø 3 mm
Open area: 0%
Hole openings: -
Minimum width: 101,6 mm
Nose bar diameter: 6 mm
Thickness: 6 mm
Accessories: -
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
POM	White - blue	POM
POM	White - blue	PA

Other materials and colors are available upon request.

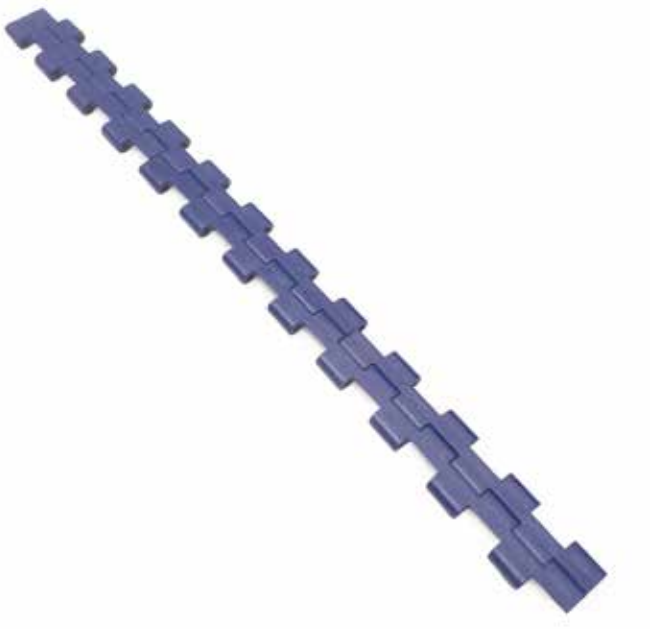
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
POM	PA	2550	-43 ÷ +80	FDA - EU	1,08

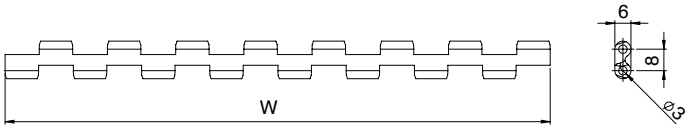
PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
101,6	Multiple: 152,4	Multiple: 25,4	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*





Part number **NMMP 80 C -POM -DB**

- Type
- Pitch
- Closed flat top surface
- Belt material: POM = acetal resin / PA = polyamide
- Belt color: W = white / DB = dark blue

NMMP80NS

PITCH 8 mm / 0,3”

Belt type: no slip closed surface with diamond pattern
Pin diameter: Ø 3 mm
Open area: 0%
Hole openings: -
Minimum width: 101,6 mm
Nose bar diameter: 6 mm
Thickness: 6 mm
Accessories: -
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
POM	White - blue	POM
POM	White - blue	PA

Other materials and colors are available upon request.

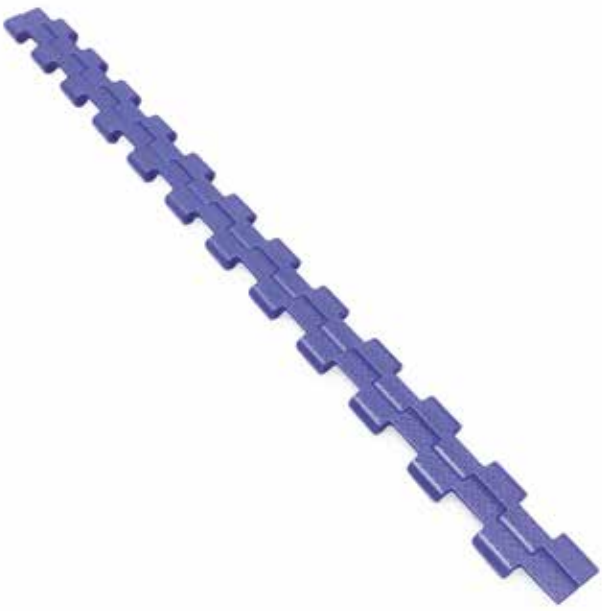
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
POM	PA	2550	-43 ÷ +80	FDA - EU	1,08

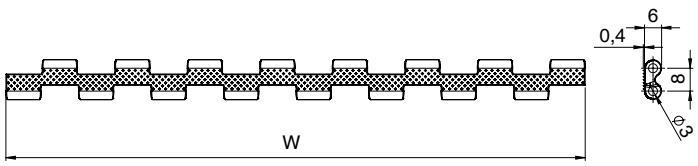
PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
101,6	Multiple: 152,4	Multiple: 25,4	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*



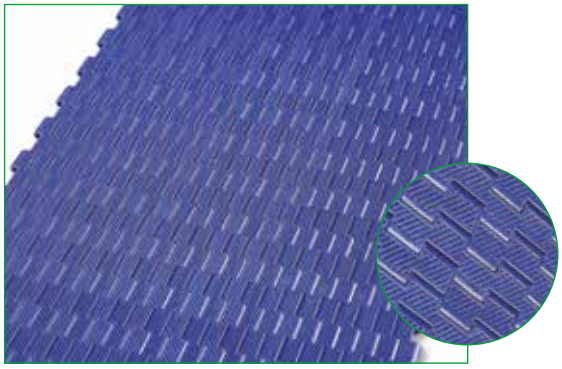


Part number **NMMP 80 NS -POM -DB**

- Type
- Pitch
- No slip closed surface with diamond pattern
- Belt material: POM = acetal resin / PA = polyamide
- Belt color: W = white / DB = dark blue

NMMP80NP

PITCH 8 mm / 0,3”



Belt type: no cling closed surface, inverted diamond pattern
Pin diameter: Ø 3 mm
Open area: 0%
Hole openings: -
Minimum width: 101,6 mm
Nose bar diameter: 6 mm
Thickness: 6 mm
Accessories: -
Food Certification: FDA - EU

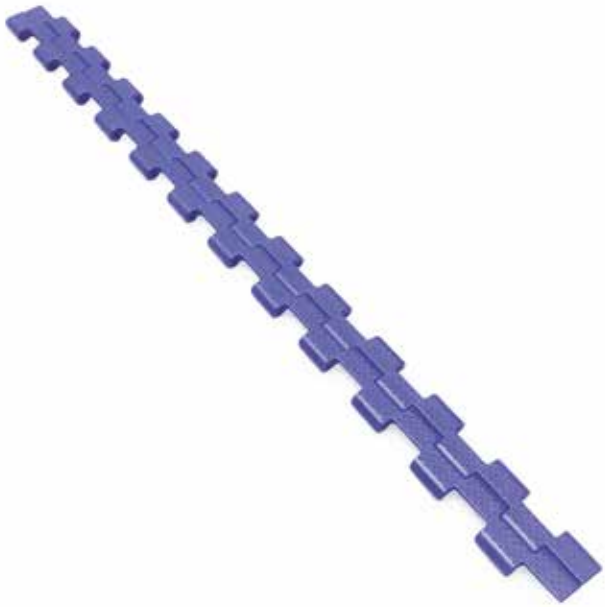
Standard executions

Belt material	Belt color	Pin
POM	White - blue	POM
POM	White - blue	PA

Other materials and colors are available upon request.

Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
POM	PA	2550	-43 ÷ +80	FDA - EU	1,08

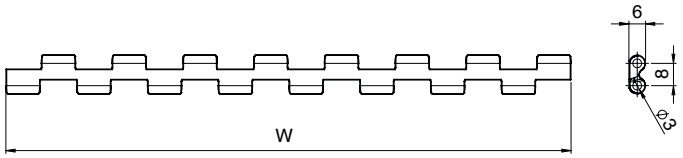
PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide



Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
101,6	Multiple: 152,4	Multiple: 25,4	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*

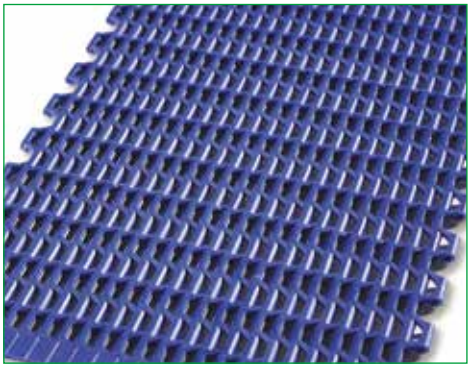


Part number **NMMP 80 NP -POM DB**

- Type
- Pitch
- No cling closed surface, inverted diamond pattern
- Belt material: POM = acetal resin / PA = polyamide
- Belt color: W = white / DB = dark blue

NMMP80FG

PITCH 8 mm / 0,3”



Belt type: open flat surface flush grid
Pin diameter: Ø 3 mm
Open area: 40%
Hole openings: 9x3 mm
Minimum width: 101,6 mm
Nose bar diameter: 6 mm
Thickness: 6 mm
Accessories: -
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
POM	White - blue	POM
POM	White - blue	PA

Other materials and colors are available upon request.

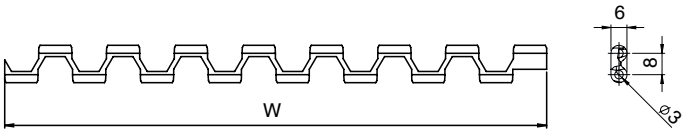
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
POM	PA	2550	-43 ÷ +80	FDA - EU	0,8

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
101,6	Multiple: 152,4	Multiple: 25,4	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*



Part number **NMMP 80 FG -POM -DB**

- Type
- Pitch
- Open flat surface flush grid
- Belt material: POM = acetal resin / PA = polyamide
- Belt color: W = white / DB = dark blue

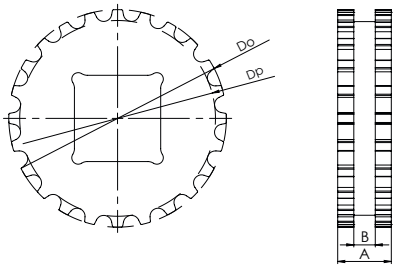
Sprockets for MP80 type

Teeth nr.	Dp [mm]	Do [mm]	A [mm]	B [mm]	Available standard bore	
					Square [mm]	Ø round + set-screw UNI
18	46,5	47,7	20	6	20x20	20 - 25
24	61,8	63,3	20	6	25x25	20 - 25 - 30
36	92,6	94,5	20	6	40x40	25 - 30

Standard material: nylon PA6 fiberglass.
It is possible to supply sprocket with any number of teeth or any material by CNC machining
Dp = Pitch diameter
Do = External tooth diameter

Part number NSMP80 -R 25 K -Z24

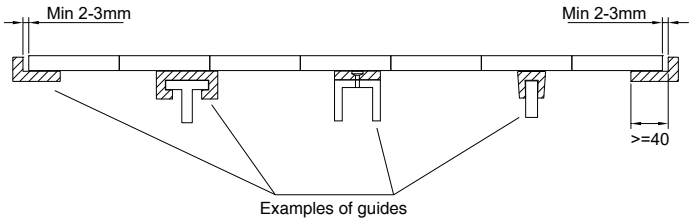
- Type
- Bore type: R = round / Q = square
- Bore dimension (mm)
- K = with set-scew
- Teeth nr.



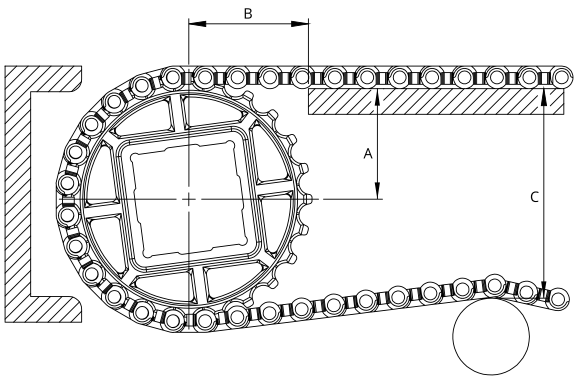
Belt width [mm]			101,6	203,2	304,8	406,4	508	609,6	711,2	812,8	914,4	1016	1117,6	1219,2	1320,8
Number of sprockes	Drive shaft	Minimum number of sprockets	2	3	4	4	5	6	8	9	10	11	13	15	17
	Driven shaft		2	2	3	3	4	5	7	7	9	9	11	11	11
Sliding guides			2	2	3	3	4	5	5	6	6	7	7	8	8

Mounting

When mounting the sprockets, make sure that you have mounted all sprockets oriented in the same phase.
Only axially lock the central sprocket and leave the other sprockets free to move axially

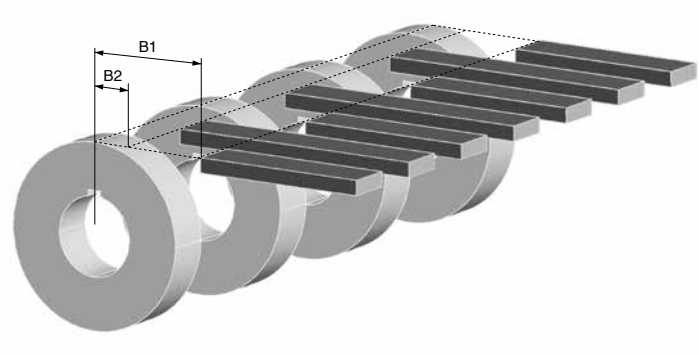


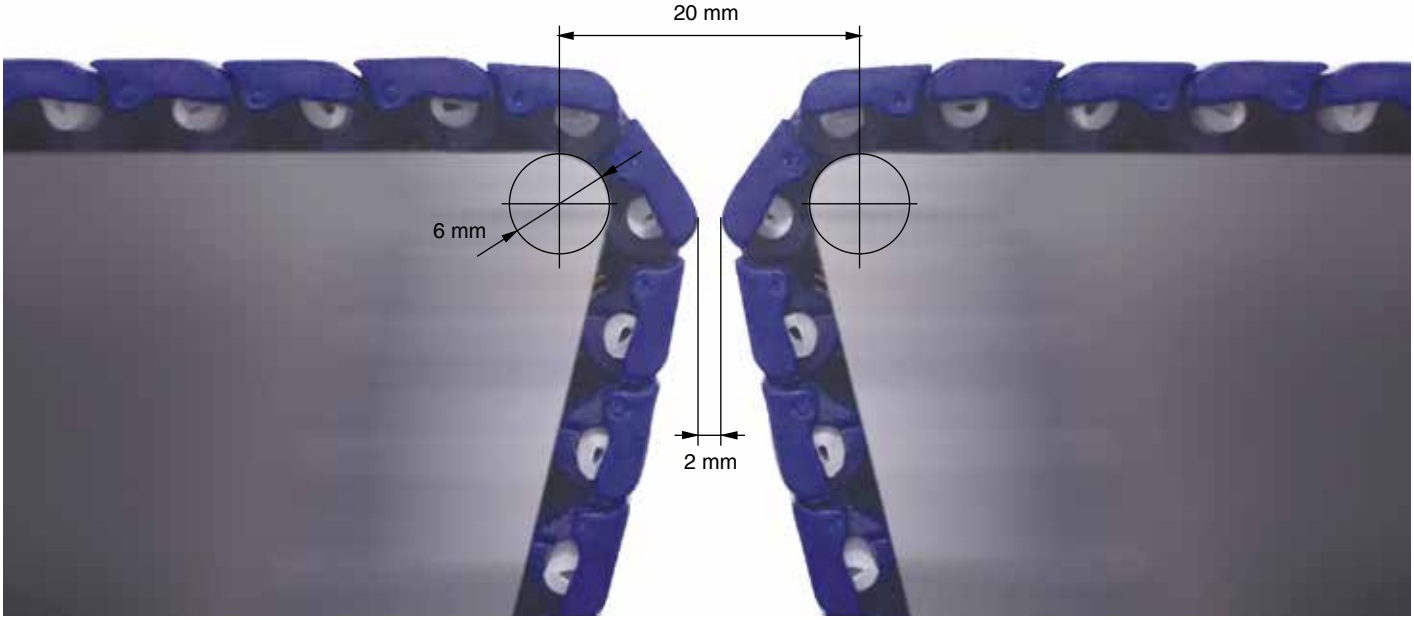
Sprockets for MP80 type



Z [mm]	A [mm]	B1 [mm]	B2 [mm]	C_{max} [mm]
18	20,2	28	12	40
24	27,9	35	12	50
36	43,3	50	12	80

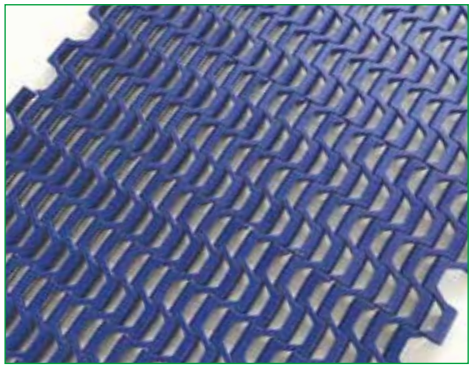
In order to avoid any subsidence of the belt in the area between the guiding strip and the sprockets, it It is possible to locate the guides between the sprockets. Two minimum B1 and B2 dimensions are defined.





NMMD127G50

PITCH 12,7 mm / 0,5”



Belt type: open flat surface
Pin diameter: Ø 3,6 mm
Open area: 50%
Hole openings: 20x7 mm
Minimum width: 203 mm
Thickness: 7 mm
Nose bar diameter: 12,7 mm
Accessories: -
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
POM	Blue - white	PA - POM
PP	Blue - white	PA - POM

Other materials and colors are available upon request.

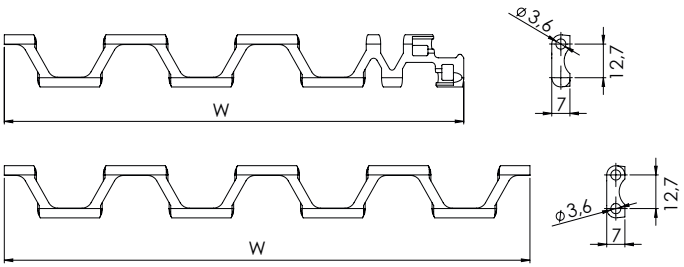
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	2700	+5 ÷ +70	FDA - EU	0,9
POM	PP	4200	+5 ÷ +70	FDA - EU	1,2
POM	PA	4500	-40 ÷ +70	FDA - EU	1,2

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
203	Multiple: 50,8	25,4	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*



Part number **NMMD 127 G50 -POM -DB**

- Type
- Pitch
- Open flat surface at 50%
- Belt material: POM = acetal resin / PP = polypropylene / PA = polyamide
- Belt color: B = blue / W = white / DB = dark blue

Sprockets for MD127G50 type

Teeth nr.	Dp [mm]	Do [mm]	A [mm]	B [mm]	Available standard bore	
					Square [mm]	Ø round + set-screw UNI
12	49,8	52,0	20	10	25x25	20 - 25
14	58,0	60,2	20	10	25x25	20 - 25
17	70,2	72,4	20	10	25x25	20 - 25
19	78,4	80,5	20	10	25x25	25 - 30
24	98,8	100,9	20	10	25x25 40x40	25 - 30
36	148,0	150,0	20	10	25x25 40x40	25 - 30

Standard material: delrin. It is possible to supply sprocket with any number of teeth or any material by CNC machining
Dp = Pitch diameter
Do = External tooth diameter

Part number NSMD127 -R 25 K -Z24

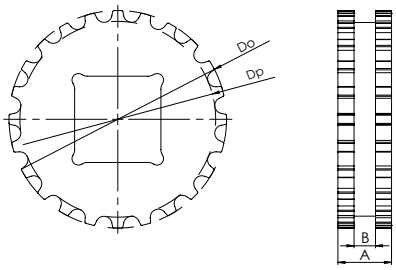
Type

Bore type: R = round / Q = square

Bore dimension (mm)

K = with set-scew

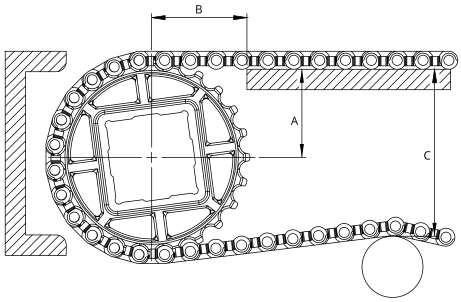
Teeth nr.

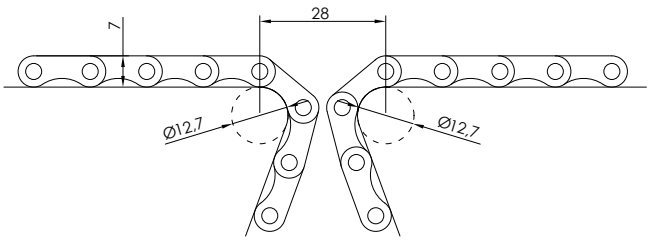


Belt width [mm]			203,2	304,8	406,4	508	609,6	711,2	812,8	914,4	1016	1117,6	1219,2	1320,8
Number of sprockes	Drive shaft	Minimum number of sprockets	3	4	4	5	6	8	9	10	11	13	15	17
	Driven shaft		2	3	3	4	5	7	7	9	9	11	11	11
Sliding guides			2	3	3	4	5	5	6	6	7	7	8	8

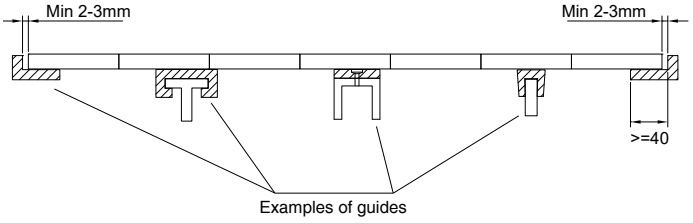
Mounting

When mounting the sprockets, make sure that you have mounted all sprockets oriented in the same phase.
Only axially lock the central sprocket and leave the other sprockets free to move axially

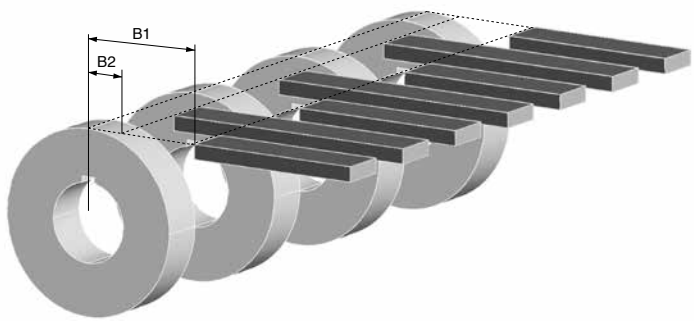




In order to avoid any subsidence of the belt in the area between the guiding strip and the sprockets, it It is possible to locate the guides between the sprockets. Two minimum B1 and B2 dimensions are defined.

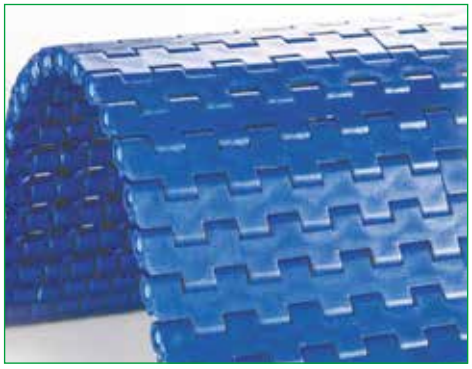


Type	Z [mm]	A [mm]	B1 [mm]	B2 [mm]	C_{max} [mm]
NMMD127G50	12	21,4	35	14	42
	14	25,5	37	14	50
	17	31,6	39	14	62
	19	35,7	40	14	70
	24	45,9	43	14	90
	36	69,5	53	14	130



NMEC127C

PITCH 12,7 mm / 0,5”



Belt type: closed flat top surface
Pin diameter: Ø 4,6 mm
Open area: 0%
Hole openings: -
Minimum width: 50 mm
Thickness: 10 mm
Nose bar diameter: 18-20 mm
Accessories: flights
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
POM	Blue - white	PA - PP
PP	Blue - white	POM - PP

Other materials and colors are available upon request.

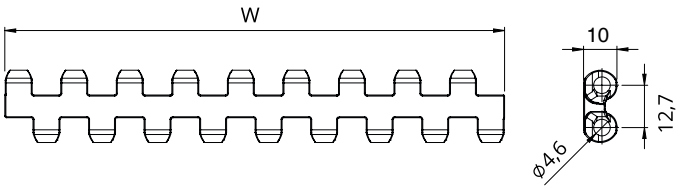
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	11550	+5 ÷ +90	FDA - EU	4,75
PE	PE	7000	-73 ÷ +66	FDA - EU	5,00
POM	POM	16800	-43 ÷ +70	FDA - EU	7,10
POM	PA	17000	-40 ÷ +80	FDA - EU	6,90
POM	PP	16000	+5 ÷ +70	FDA - EU	6,90

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
50	Multiple: 50	Multiple: 16,7	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*

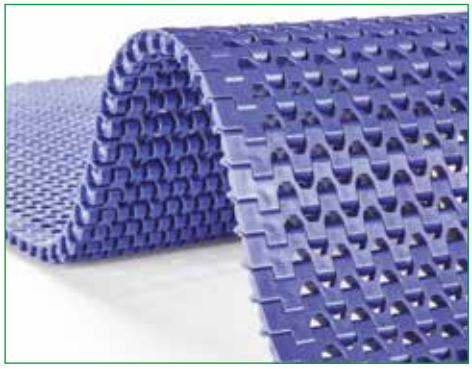


Part number **NMEC 127 C -POM -B**

- Type: Closed flat top surface
- Pitch
- Belt material: POM = acetal resin / PP = polypropylene / PE = polyethylene / PA = polyamide
- Belt color: B = blue / DB = dark blue / W = white

NMEC127FG

PITCH 12,7 mm / 0,5”



Belt type: open flat surface flush grid
Pin diameter: Ø 4,6 mm
Open area: 20%
Hole openings: 3x6 mm
Minimum width: 50 mm
Thickness: 10 mm
Nose bar diameter: 18-20 mm
Accessories: flights
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
POM	Blue - white	PA - PP
PP	Blue - white	POM - PP

Other materials and colors are available upon request.

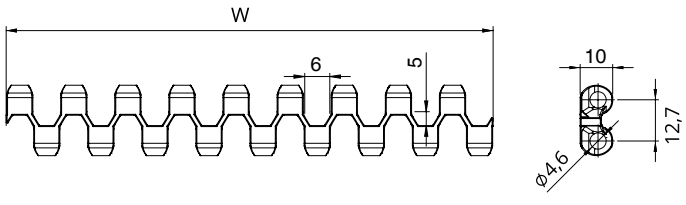
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	10900	+5 ÷ +90	FDA - EU	4,3
POM	POM	16000	-43 ÷ +70	FDA - EU	6,3
POM	PA	16200	-40 ÷ +80	FDA - EU	6,0
POM	PP	15200	+5 ÷ +70	FDA - EU	5,9

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
50	Multiple: 50	Multiple: 16,7	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*



Part number **NMEC 127 FG -POM -B**

- Type
- Pitch
- Open flat surface flush grid
- Belt material: POM = acetal resin / PP = polypropylene / PA = polyamide
- Belt color: B = blue / DB = dark blue / W = white

NMEC127GT

PITCH 12,7 mm / 0,5”

Belt type: closed surface with rubber top insert
Pin diameter: Ø 4,6 mm
Open area: 0%
Rubber hardness: 50 Sh A, oil resistent
Minimum width: 50 mm
Thickness: 10+2,5 mm
Nose bar diameter: 18-20 mm
Accessories: flights
Food Certification: EU per colore white

Standard executions

Belt material	Belt color	Rubber color	Pin
PP	Gray	Black	POM-PP
PP	White	White	POM-PP

Other materials and colors are available upon request.

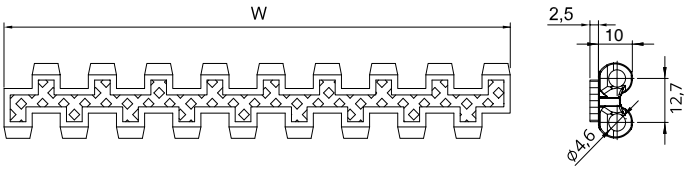
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	10900	+5 ÷ +50	FDA - EU	5,1

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
50	Multiple: 50	Multiple: 16,7	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*

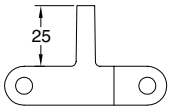


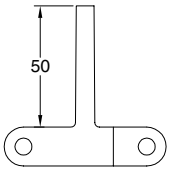
Part number **NMEC 127 GT -PP -GB**

- Type
- Pitch
- Closed surface with rubber top insert
- Belt material: POM = acetal resin / PP = polypropylene
- Belt color: GB = gray base white rubber / W = white base white rubber

Accessories for EC127 type

Flights



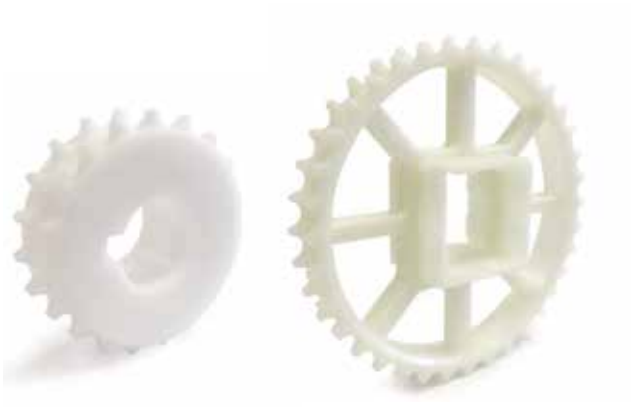


In case of need of flights the following table shows the standard indent. it is possible to have a special indent according to specific customer request.

Standard indent [mm]	Z	33	50	67	83

In the case of wide belts, one or more gaps is recommended between flights to allow the belt to be supported on the return path. The maximum width not supported by guides depends on several factors such as the load on the belt, possible incline of the conveyor, and belt or pin material.

Sprockets for EC127 type



Part number	NSEC127	-R	30	K	-Z24

Type

Bore type: R = round / Q = square

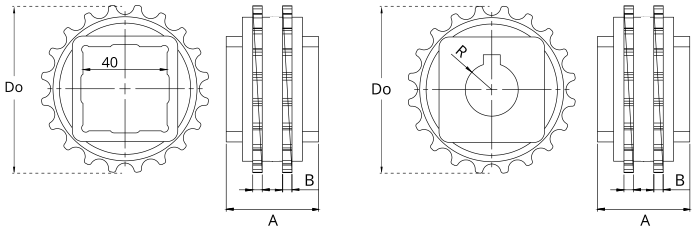
Bore dimension (mm)

K = with set-scew

Teeth nr.

Teeth nr.	Dp [mm]	Do [mm]	A [mm]	B [mm]	Available standard bore	
					Square [mm]	Ø round + set-screw UNI
19	77,3	78,1	40	3,5	25x25 40x40	20 - 25 - 30
24	97,6	99,0	40	3,5	40x40	20 - 25 - 30
28	113,9	115,3	40	3,5	40x40	20 - 25 - 30
30	122,0	123,4	40	3,5	40x40	20 - 25 - 30
36	146,4	147,9	40	3,5	40x40	25 - 30

Standard material: nylon PA6 fiberglass.
It is possible to supply sprocket with any number of teeth or any material by CNC machining
Dp = Pitch diameter
Do = External tooth diameter

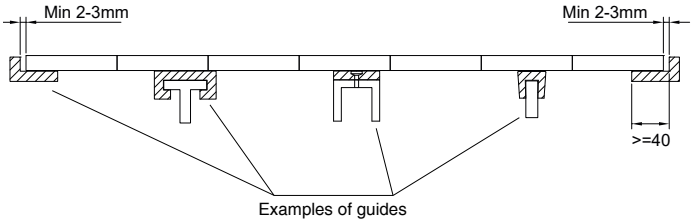


Belt width [mm]			150	200	250	300	350	400	450	500	550	600	650	700	750
Number of sprockes	Drive shaft	Belt tension ≤ 50% of the capacity	2	2	3	3	4	4	5	5	6	6	7	7	8
		Belt tension = 100% of the capacity	3	3	4	5	6	8	9	10	11	12	13	14	15
	Driven shaft		2	2	2	2	2	2	3	3	3	3	4	4	4
Sliding guides			2	2	3	3	3	4	4	4	5	5	5	6	6

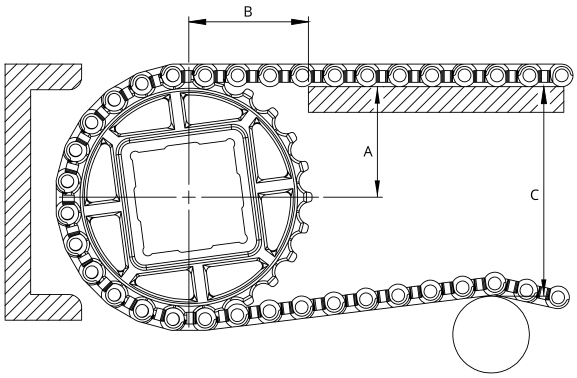
Belt width [mm]			800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
Number of sprockes	Drive shaft	Belt tension ≤ 50% of the capacity	8	9	9	10	10	11	11	12	12	13	13	14	14
		Belt tension = 100% of the capacity	15	16	17	18	198	20	21	22	23	24	25	26	27
	Driven shaft		4	4	5	5	5	5	6	6	7	7	8	8	8
Sliding guides			6	7	7	7	8	8	8	9	9	9	10	10	11

Mounting

When mounting the sprockets, make sure that you have mounted all sprockets oriented in the same phase.
Only axially lock the central sprocket and leave the other sprockets free to move axially



Sprockets for EC127 type

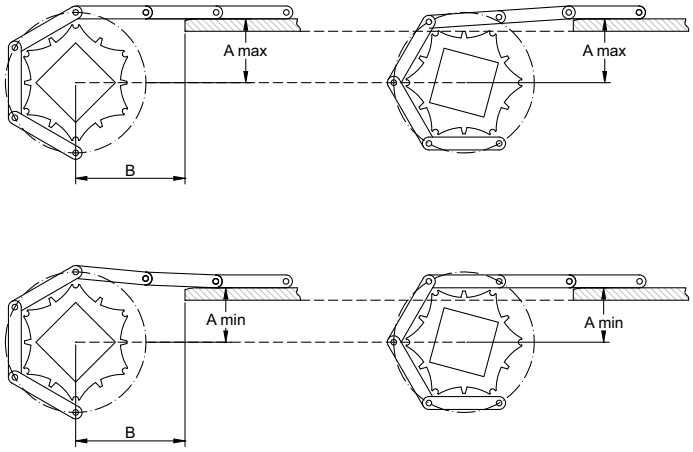


Type	Teeth nr.	A_{max} [mm]	A_{min} [mm]	B1 [mm]	B2 [mm]	C_{max} [mm]
NMEC127C NMEC127FG	19	34,4	34,0	40	15	70
	24	44,8	44,4	43	15	90
	28	52,9	52,6	47	15	105
	30	57,3	57,0	49	15	113
	36	70,0	68,8	53	15	137

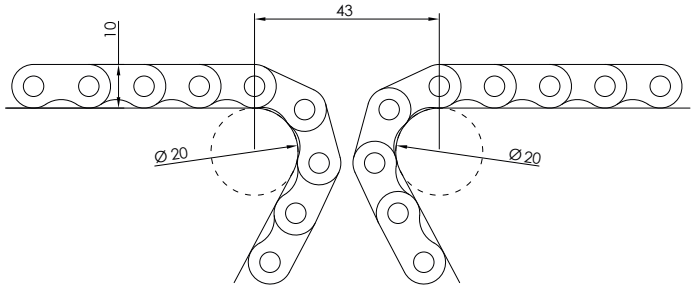
A_{max} = sliding surface position so that the height of the belt engaging the sprocket oscillates between the sliding surface height and a lower one. The height variation depends on the number of teeth and the pitch of the sprocket.

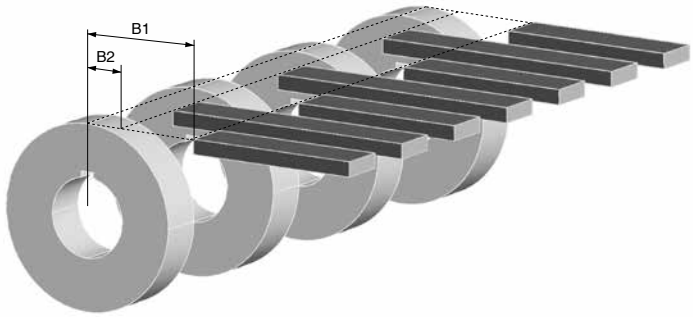
A_{min} = sliding surface position so that the height of the belt engaging the sprocket oscillates between the sliding surface height and a higher one. The height variation depends on the number of teeth and the pitch of the sprocket.

The choice of A dimensions depends on the items you have to carry.
It is always suggested to make a chamfer at the end of the sliding guides.



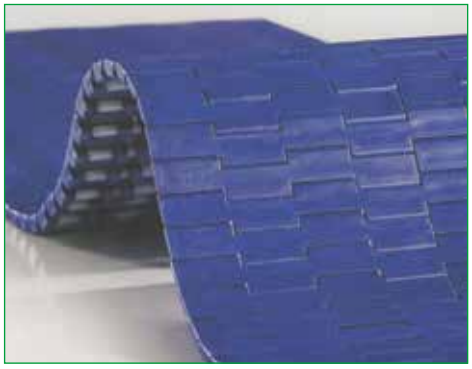
In order to avoid any subsidence of the belt in the area between the guiding strip and the sprockets, it It is possible to locate the guides between the sprockets. Two minimum B1 and B2 dimensions are defined.





NMHC127C

PITCH 12,7 mm / 0,5”



Belt type: closed flat top surface
Pin diameter: Ø 4,5 mm
Open area: 0%
Hole openings: -
Minimum width: 152 mm
Thickness: 8 mm
Accessories: -
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
POM	Blue	Nylon
PP	Blue	POM

Other materials and colors are available upon request.

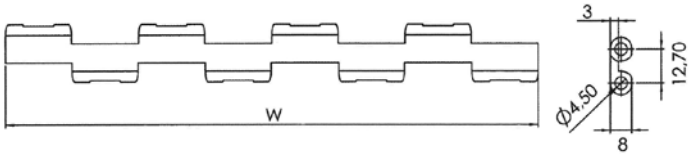
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	POM	2750	+5 ÷ +90	FDA - EU	3,8
POM	POM	5170	-43 ÷ +70	FDA - EU	5,7
POM	PA	4900	-40 ÷ +80	FDA - EU	5,5

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
152	Multiple: 101,0	Multiple: 50,8	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*

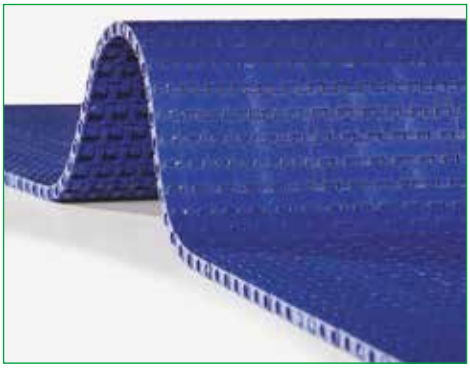


Part number **NMHC 127 C -POM -DB**

- Type: Closed flat top surface
- Pitch
- Belt material: POM = acetal resin / PP = polypropylene / PE = polyethylene / PA = polyamide
- Belt color: DB = dark blue

NMSM127C

PITCH 12,7 mm / 0,5”



Belt type: open flat surface
Pin diameter: Ø 4,4 mm
Open area: 0%
Hole openings: -
Minimum width: 50,8 mm
Thickness: 7,6 mm
Nose bar diameter: 19 mm
Accessories: -
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
POM	Blue	Nylon
PP	Blue	POM

Other materials and colors are available upon request.

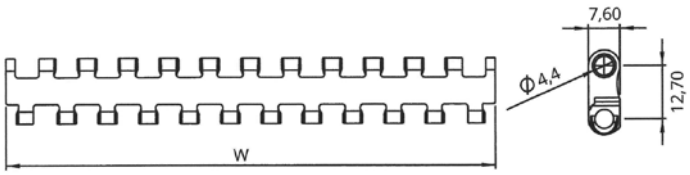
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	POM	12800	+5 ÷ +90	FDA - EU	4,3
PE	POM	7700	-40 ÷ +60	FDA - EU	4,5
POM	PA	22400	-40 ÷ +80	FDA - EU	6,2

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
50,8	Multiple: 76,2	Multiple: 12,7	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*

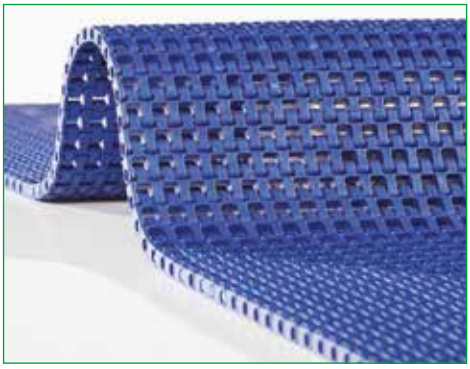


Part number **NMSM 127 C -POM -DB**

- Type
- Pitch
- Closed flat top surface
- Belt material: POM = acetal resin / PP = polypropylene / PE = polyethylene / PA = polyamide
- Belt color: DB = dark blue

NMSM127FG

PITCH 12,7 mm / 0,5”



Belt type: open flat surface flush grid
Pin diameter: Ø 4,4 mm
Open area: 22%
Hole openings: -
Minimum width: 50,8 mm
Thickness: 7,6 mm
Nose bar diameter: 19 mm
Accessories: -
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
POM	Blue	Nylon
PP	Blue	POM

Other materials and colors are available upon request.

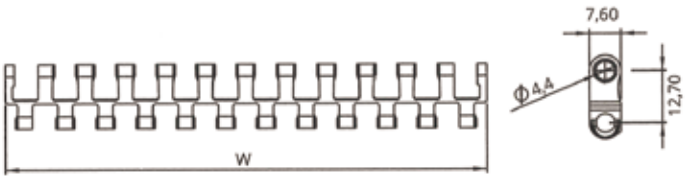
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	POM	12800	+5 ÷ +90	FDA - EU	4,2
PE	POM	7700	-40 ÷ +60	FDA - EU	4,4
POM	PA	22400	-40 ÷ +80	FDA - EU	6,1

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
50,8	Multiple: 76,2	Multiple: 12,7	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*



Part number **NMSM 127 FG -POM -DB**

- Type
- Pitch
- Superficie liscia flush grid
- Belt material: POM = acetal resin / PP = polypropylene / PE = polyethylene / PA = polyamide
- Belt color: DB = dark blue

NMEC254C

PITCH 25,4 mm / 1”

Belt type: closed flat top surface
Pin diameter: Ø 5 mm
Open area: 0%
Hole openings: -
Minimum width: 152,4 mm
Thickness: 10 mm
Accessories: flights - side wall
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
PP	White - blue	PP - POM
PE	Light blue	POM
POM	White - blue	POM - PA

Other materials and colors are available upon request.

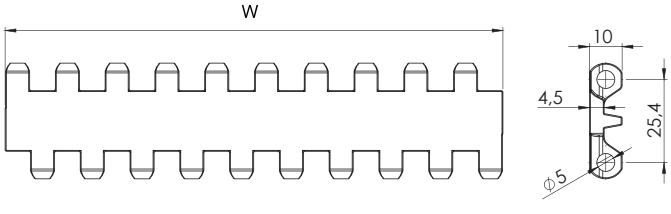
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	11700	+5 ÷ +90	FDA - EU	4,5
PE	PE	10500	-73 ÷ +66	FDA - EU	5,0
POM	POM	14600	-43 ÷ +70	FDA - EU	6,6
POM	PA	15700	-40 ÷ +80	FDA - EU	6,4
POM	PP	12900	+5 ÷ +70	FDA - EU	6,4

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
152,4	Multiple: 76,2	Multiple: 15,24	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*



Part number **NMEC 254 C -POM -W**

- Type: Closed flat top surface
- Pitch
- Belt material: POM = acetal resin / PP = polypropylene / PE = polyethylene / PA = polyamide
- Belt color: W = white / B = blue / LB = light blue

NMEC254P16

PITCH 25,4 mm / 1”

Belt type: open flat surface
Pin diameter: Ø 5 mm
Open area: 16%
Hole openings: 2,5x3,7 mm
Minimum width: 152,4 mm
Thickness: 10 mm
Accessories: flights - side wall
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
PP	White - blue	PP
PE	Light blue	POM

Other materials and colors are available upon request.

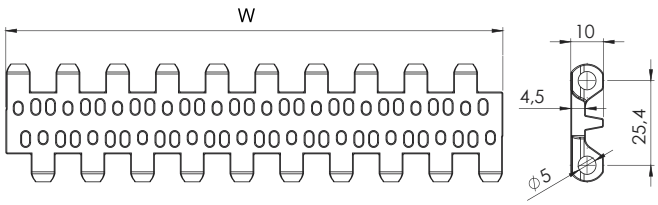
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	9360	+5 ÷ +90	FDA - EU	3,8
PE	PE	8500	-73 ÷ +66	FDA - EU	4,2
POM	POM	13100	-43 ÷ +70	FDA - EU	5,7
POM	PA	14000	-40 ÷ +80	FDA - EU	5,5
POM	PP	11500	+5 ÷ +70	FDA - EU	5,5

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
152,4	Multiple: 76,2	Multiple: 15,24	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*



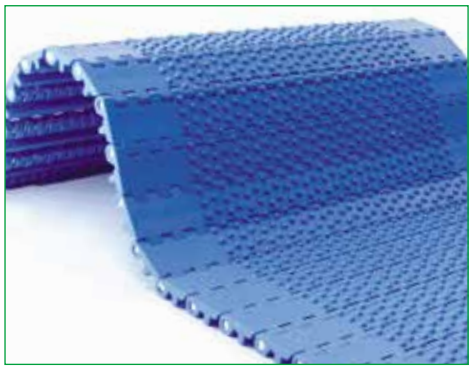
Part number **NMEC 254 P16 -POM -W**

- Type
- Pitch
- Open flat surface at 16%
- Belt material: POM = acetal resin / PP = polypropylene / PE = polyethylene / PA = polyamide
- Belt color: W = white / B = blue / LB = light blue

NMEC254NT

PITCH 25,4 mm / 1”

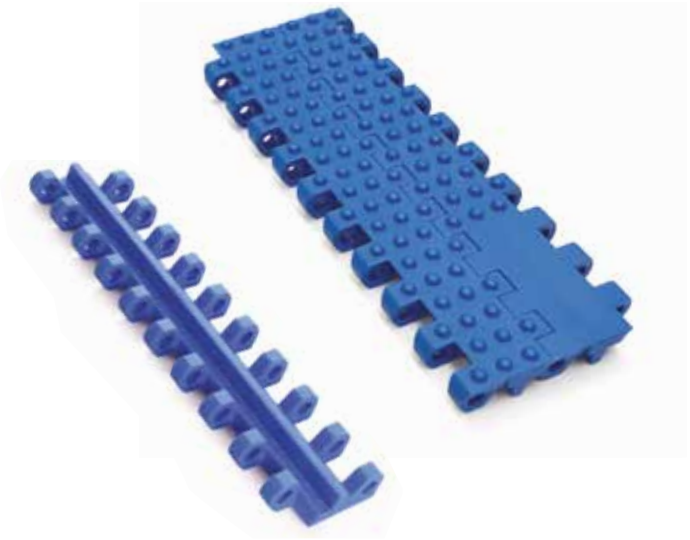
Belt type: closed nub top surface
Pin diameter: Ø 5 mm
Open area: 0%
Hole openings: -
Minimum width: 152,4 mm
Thickness: 10 + 2 mm
Accessories: flights - side wall
Food Certification: FDA - EU



Standard executions

Belt material	Belt color	Pin
PP	White - blue	PP

Other materials and colors are available upon request.



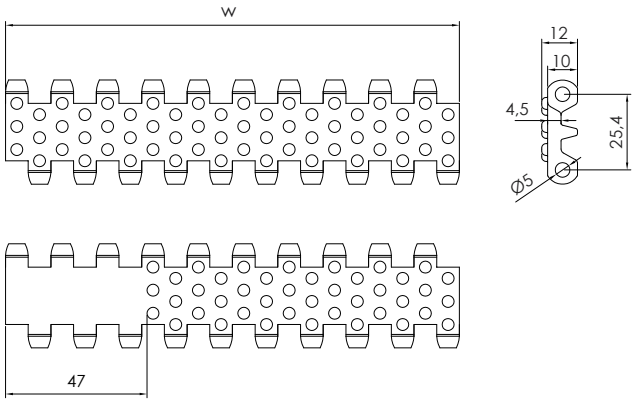
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	11700	+5 ÷ +90	FDA - EU	4,7
PE	PE	10500	-73 ÷ +66	FDA - EU	5,2
POM	POM	14600	-43 ÷ +70	FDA - EU	6,8
POM	PA	15700	-40 ÷ +80	FDA - EU	6,6
POM	PP	12900	+5 ÷ +70	FDA - EU	6,6

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
152,4	Multiple: 76,2	Multiple: 15,24	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*



Part number **NMEC 254 NT -PP -B**

- Type
- Pitch
- Closed nub top surface
- Belt material: POM = acetal resin / PP = polypropylene / PE = polyethylene / PA = polyamide
- Belt color: W = white / B = blue

NMEC254GT

PITCH 25,4 mm / 1”

Belt type: closed surface with rubber
Pin diameter: Ø 5 mm
Open area: 0%
Hole openings: -
Minimum width: 152,4 mm
Thickness: 13,5 mm
Accessories: flights - side wall
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
PP	White - white	PP
PP	Blue - white	PP

Other materials and colors are available upon request.

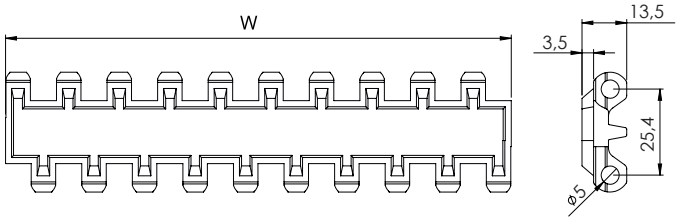
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	11700	+5 ÷ +60	FDA - EU	4,5

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
152,4	Multiple: 76,2	Multiple: 15,24	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*



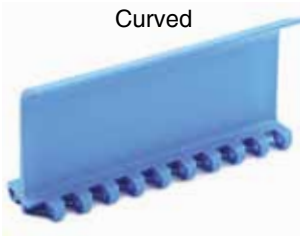
Part number **NMEC 254 GT -PP -WW**

- Type: Closed surface with rubber
- Pitch
- Belt material: POM = acetal resin / PP = polypropylene / PE = polyethylene / PA = polyamide
- Belt color: W = white / B = blue

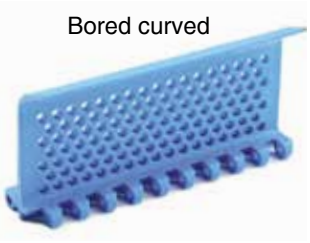
Accessories for EC254 type

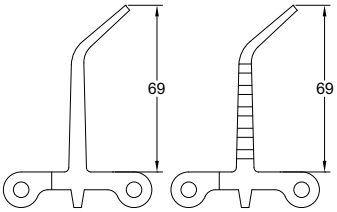
Flights

Curved

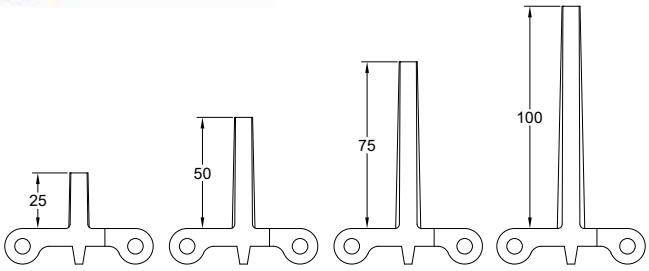


Bored curved

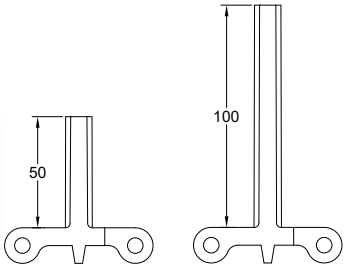




Smooth



No cling

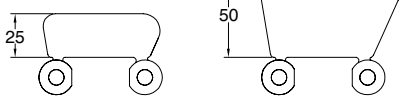


In case of need of flights the following table shows the standard indent. it is possible to have a special indent according to specific customer request.

Standard indent [mm]	Z	30	45	60	72

In the case of wide belts, one or more gaps is recommended between flights to allow the belt to be supported on the return path. The maximum width not supported by guides depends on several factors such as the load on the belt, possible incline of the conveyor, and belt or pin material.

Side wall



Inner and outer side wall indent [mm]							
	Y_i	16	23	30	38	46	53
	Y_e	23	30	37	45	53	60

Sprockets for EC254 type

Teeth nr.	Dp [mm]	Do [mm]	A [mm]	B [mm]	Available standard bore	
					Square [mm]	Ø round + set-screw UNI
8	68,4	64,6	40	30	25x25	25
10	82,2	83,0	40	30	40x40	25 - 30
12	98,1	98,0	40	30	40x40	25 - 30
15	122,2	123,0	40	30	40x40	25 - 30
18	146,3	147,5	40	30	40x40	25 - 30

Standard material: nylon PA6 fiberglass.
It is possible to supply sprocket with any number of teeth or any material by CNC machining
Dp = Pitch diameter
Do = External tooth diameter

Part number NSEC254 -R 25 K -Z12

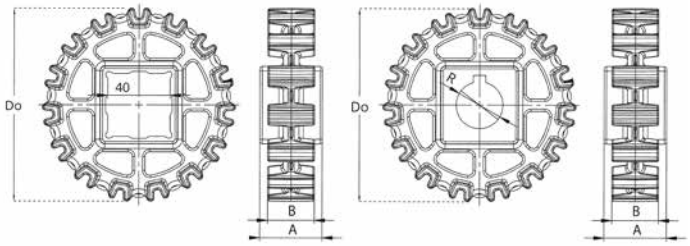
Type

Bore type: R = round / Q = square

Bore dimension (mm)

K = with set-scew

Teeth nr.



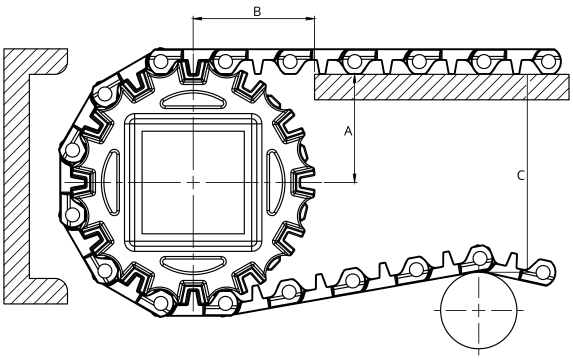
Belt width [mm]			152,4	228,6	304,8	381,0	457,2	533,4	609,6	685,8	762,0	838,2	914,4	990,6	1066,8
Number of sprockes	Drive shaft	Belt tension ≤ 50% of the capacity	2	2	3	4	5	5	6	6	7	7	8	8	9
		Belt tension = 100% of the capacity	2	3	4	5	6	7	8	9	10	11	13	14	15
	Driven shaft		2	2	2	2	3	3	3	4	4	4	4	5	5
Sliding guides			2	3	3	4	4	5	5	6	6	7	7	8	8

Belt width [mm]			1143,0	1219,2	1295,4	1371,6	1447,8	1524,0	1600,2	1676,4	1752,6	1828,8	190,05	1981,2	2057,4
Number of sprockes	Drive shaft	Belt tension ≤ 50% of the capacity	9	10	10	11	11	12	12	12	13	14	14	15	15
		Belt tension = 100% of the capacity	16	17	18	19	20	21	22	23	25	26	27	28	29
	Driven shaft		5	6	6	7	7	7	8	8	8	9	9	10	10
Sliding guides			9	9	10	10	11	11	12	12	13	13	14	14	15

Mounting

When mounting the sprockets, make sure that you have mounted all sprockets oriented in the same phase.
Only axially lock the central sprocket and leave the other sprockets free to move axially

Sprockets for EC254 type

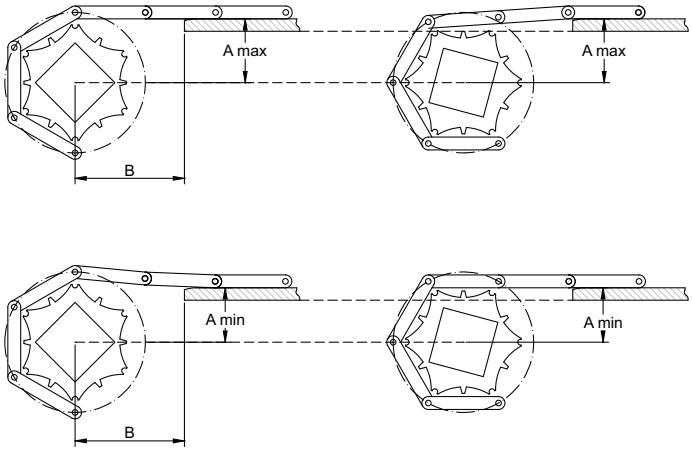


Teeth nr.	A_{max} [mm]	A_{min} [mm]	B1 [mm]	B2 [mm]	C_{max} [mm]
8	28,2	25,7	39	28	58
10	36,5	34,0	41	28	75
12	44,2	42,2	45	28	91
15	56,2	54,6	51	28	116
18	68,2	67,0	55	28	140

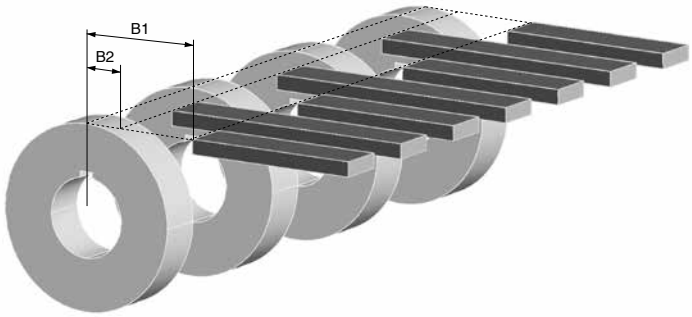
A_{max} = sliding surface position so that the height of the belt engaging the sprocket oscillates between the sliding surface height and a lower one. The height variation depends on the number of teeth and the pitch of the sprocket.

A_{min} = sliding surface position so that the height of the belt engaging the sprocket oscillates between the sliding surface height and a higher one. The height variation depends on the number of teeth and the pitch of the sprocket.

The choice of A dimensions depends on the items you have to carry.
It is always suggested to make a chamfer at the end of the sliding guides.



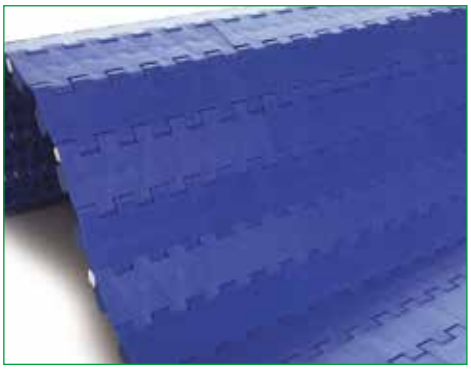
In order to avoid any subsidence of the belt in the area between the guiding strip and the sprockets, it It is possible to locate the guides between the sprockets. Two minimum B1 and B2 dimensions are defined.



NMMD254C

PITCH 25,4 mm / 1”

Belt type: closed flat top surface
Pin diameter: Ø 5 mm
Open area: 0%
Hole openings: -
Minimum width: 200 mm
Thickness: 10 mm
Accessories: flights - side wall
Food Certification: FDA - EU



Standard executions

Belt material	Belt color	Pin
PP	White - blue	PP
POM	Blue	PA

Other materials and colors are available upon request.

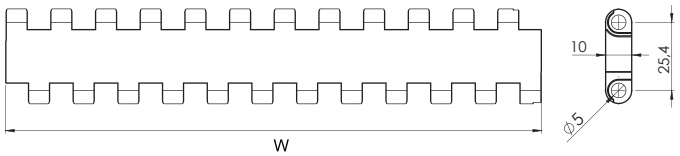
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	14200	+5 ÷ +90	FDA - EU	6,1
PE	PE	7800	-73 ÷ +66	FDA - EU	7,1
POM	POM	19000	-43 ÷ +70	FDA - EU	9,4
POM	PA	20100	-40 ÷ +80	FDA - EU	9,2
POM	PP	16700	+5 ÷ +70	FDA - EU	9,2

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
200	Multiple: 50	Multiple: 16,7	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*



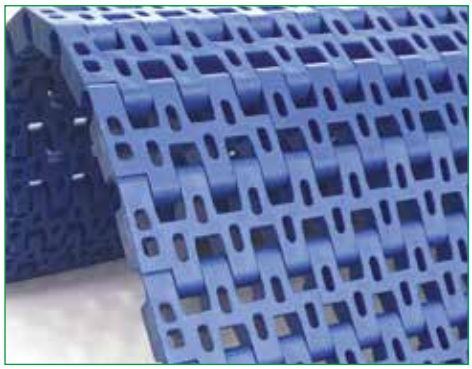
Part number **NMMD 254 C -POM -W**

- Type: Closed flat top surface
- Pitch
- Belt material: POM = acetal resin / PP = polypropylene / PE = polyethylene / PA = polyamide
- Belt color: W = white / B = blue

NMMD254FG

PITCH 25,4 mm / 1”

Belt type: open flat surface flush grid
Pin diameter: Ø 5 mm
Open area: 35%
Hole openings: 5,5x7 mm
Minimum width: 200 mm
Thickness: 10 mm
Accessories: flights - side wall
Food Certification: FDA - EU



Standard executions

Belt material	Belt color	Pin
PP	White - blue	PP - POM
POM	Blue	PA
PPH	Gray - blue	POM
PE	White - light blue	POM

Other materials and colors are available upon request.

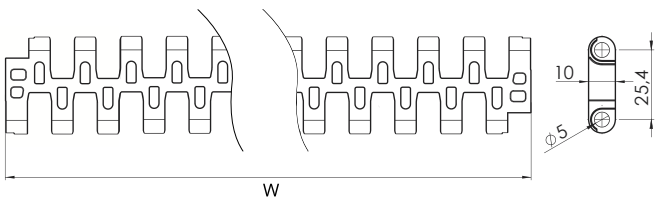
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	14200	+5 ÷ +90	FDA - EU	5,7
PE	PE	7800	-73 ÷ +66	FDA - EU	6,6
POM	POM	19000	-43 ÷ +70	FDA - EU	8,8
POM	PA	20100	-40 ÷ +80	FDA - EU	8,6
POM	PP	16700	+5 ÷ +70	FDA - EU	8,6

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
200	Multiple: 50	Multiple: 16,7	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*



Part number **NMMD 254 FG -POM -W**

- Type
- Pitch
- Open flat surface flush grid
- Belt material: POM = acetal resin / PP = polypropylene / PE = polyethylene / PA = polyamide
- Belt color: W = white / B = blue / G = gray / LB = light blue

NMMD254GT

PITCH 25,4 mm / 1”

Belt type: closed grip top surface - indent 50 mm
Pin diameter: Ø 5 mm
Open area: 0%
Hole openings: -
Minimum width: 100 mm
Thickness: 10 + 4 mm
Accessories: flights - side wall
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Colore gomma	Pin
PP	White	White	PP-POM
PP	Blue	Black	PP-POM

Other materials and colors are available upon request.

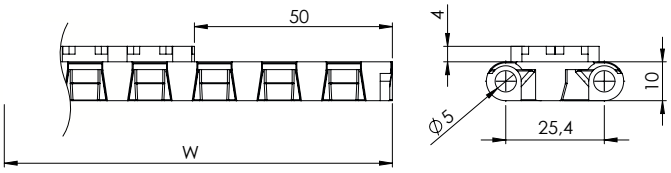
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	14200	+5 ÷ +50	FDA - EU	6,9
PE	PE	7800	-10 ÷ +50	FDA - EU	8,0

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
200	Multiple: 50	Multiple: 16,7	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*

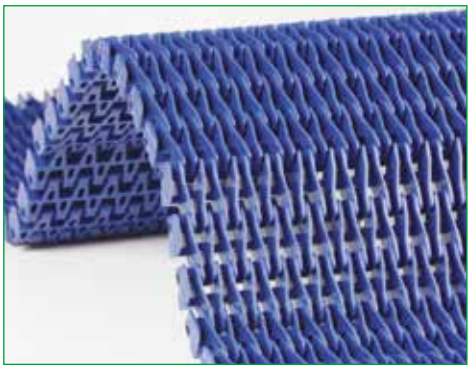


Part number **NMMD 254 GT -PP -BK**

- Type
- Pitch
- Closed grip top surface - indent 50 mm
- Belt color: WW = white rubber white base / BK = blue rubber black base
- Belt material: POM = acetal resin / PP = polypropylene PE = Polyethylene

NMMD254RR

PITCH 25,4 mm / 1”



Belt type: open flat surface rised rib
Pin diameter: Ø 5 mm
Open area: 35%
Surface contact with the product: 12%
Minimum width: 100 mm
Thickness: 16 mm
Accessories: loading and unloading comb
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
PP	White - Blue	PP-POM
POM	Blue	POM-PA

Other materials and colors are available upon request.

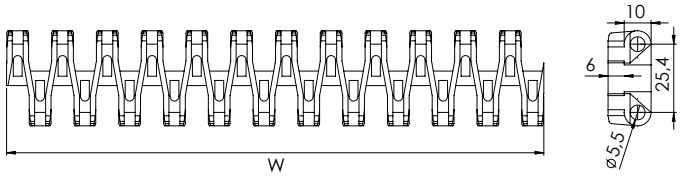
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	14200	+5 ÷ +70	FDA - EU	5,2
PPH	PPH	14800	+5 ÷ +105	FDA - EU	5,2
POM	PA	20100	-43 ÷ +80	FDA - EU	8,0

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
100	Multiple: 50	Multiple: 16,7	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*



Part number **NMMD 254 RR -PP -W**

- Type: Open flat surface rised rib
- Pitch
- Belt material: POM = acetal resin / PP = polypropylene / HT = PHT - Compound for high temperature / PA = polyamide
- Belt color: W = white / B = blue

NMMD254FGRT

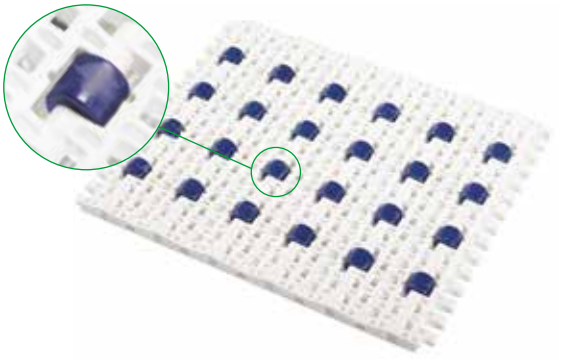
PITCH 25,4 mm / 1”

Belt type: open flat surface flush grid
Pin diameter: Ø 5 mm
Open area: 35%
Hole openings: 5,5x7 mm
Minimum width: 200 mm
Thickness: 10 mm
Accessories: flights - side wall
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
PP	White - blue - Gray	PP
POM	Blue	PA

Other materials and colors are available upon request.



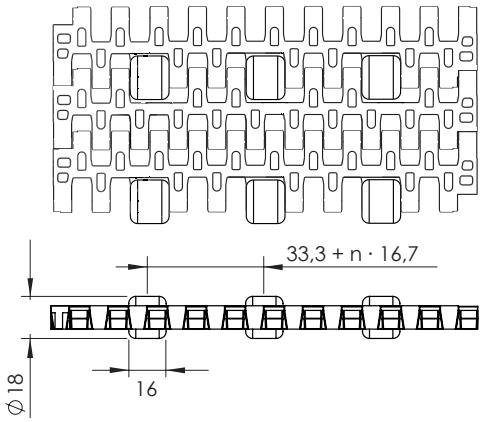
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	14200	+5 ÷ +90	FDA - EU	5,7
PE	PE	7800	-73 ÷ +66	FDA - EU	6,6
POM	POM	19000	-43 ÷ +70	FDA - EU	8,8
POM	PA	20100	-40 ÷ +80	FDA - EU	8,6
POM	PP	16700	+5 ÷ +70	FDA - EU	8,6

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
200	Multiple: 50	Multiple: 16,7	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*



Part number **NMMD 254 FGRT -POM -W**

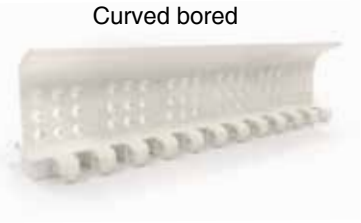
- Type: Open flat surface flush grid
- Pitch
- Belt material: POM = acetal resin / PP = polypropylene / PE = polyethylene / PA = polyamide
- Belt color: W = white / B = blue / G = gray

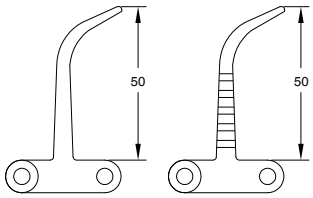
Accessories for NMMD254C and NMMD254FG belts

Flights

Curved

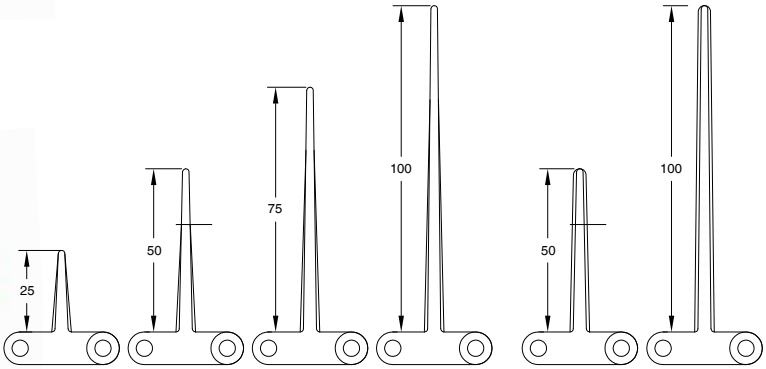
Curved bored





Smooth

No cling

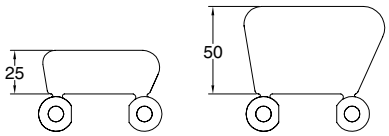


Should lateral clearance from the gussets be required for the belt support on the return leg, consider the following standard gauges. A custom gauge can still be made to specific request.

Standard indent [mm]	Z	33	50	75

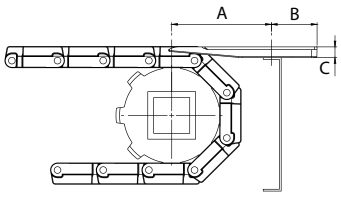
In the case of wide belts, one or more gaps is recommended between flights to allow the belt to be supported on the return path. The maximum width not supported by guides depends on several factors such as the load on the belt, possible incline of the conveyor, and belt or pin material.

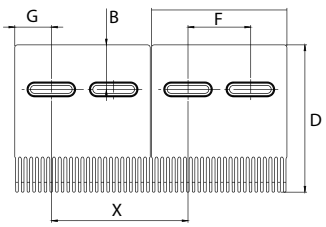
Side wall



Inner and outer side wall indent [mm]							
	Y_i	25	33	41	50	58	66
	Y_e	34	42	50	59	67	75

Comb for belt NMMD254RR type





Quote	A	B	C	D	E	F	G	X
[mm]	105-115	25	12,5	146	150	75	37,5	155

Sprockets for MD254 type unidirectional - double crown thrust

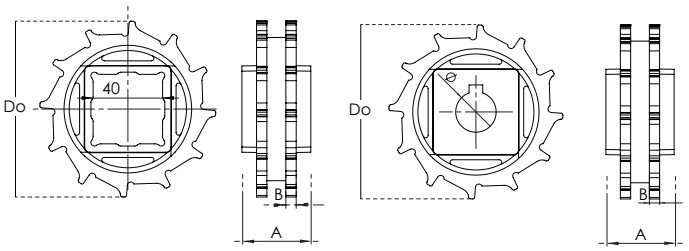
For bidirectional sprockets see page +2

Teeth nr.	Dp [mm]	Do [mm]	A [mm]	B [mm]	Available standard bore	
					Square [mm]	Ø round + set-screw UNI
8	64,8	67,7	40	6	25x25	25
10	82,8	85,7	40	6	40x40	25 - 30
12	98,9	102,0	40	6	40x40	25 - 30
15	123,1	126,0	40	6	40x40	25 - 30
18	147,4	152,3	40	6	40x40	25 - 30

Standard material: nylon PA6 fiberglass.
It is possible to supply sprocket with any number of teeth or any material by CNC machining
Dp = Pitch diameter
Do = External tooth diameter

Part number NSMD254 -R 25 K -Z12

- Type
- Bore type: R = round / Q = square
- Bore dimension (mm)
- K = with set-scew
- Teeth nr.



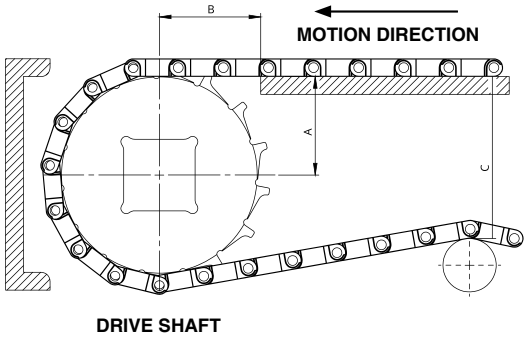
Belt width [mm]			200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600
Number of sprockes	Drive shaft	Belt tension ≤ 50% of the capacity	2	3	4	5	6	6	7	8	8	9	10	11	13
		Belt tension = 100% of the capacity	2	4	5	6	8	9	11	13	14	16	17	19	22
	Driven shaft		2	2	3	3	3	4	4	4	5	5	6	6	7
Sliding guides			2	3	4	4	5	6	7	7	8	9	9	10	12

Belt width [mm]			1800	2000	2200	2400	2600
Number of sprockes	Drive shaft	Belt tension ≤ 50% of the capacity	14	15	16	18	20
		Belt tension = 100% of the capacity	25	28	30	32	34
	Driven shaft		8	9	10	11	12
Sliding guides			13	14	15	17	19

Mounting

When mounting the sprockets, make sure that you have mounted all sprockets oriented in the same phase.
Only axially lock the central sprocket and leave the other sprockets free to move axially

Sprockets for MD254 type unidirectional - double crown thrust

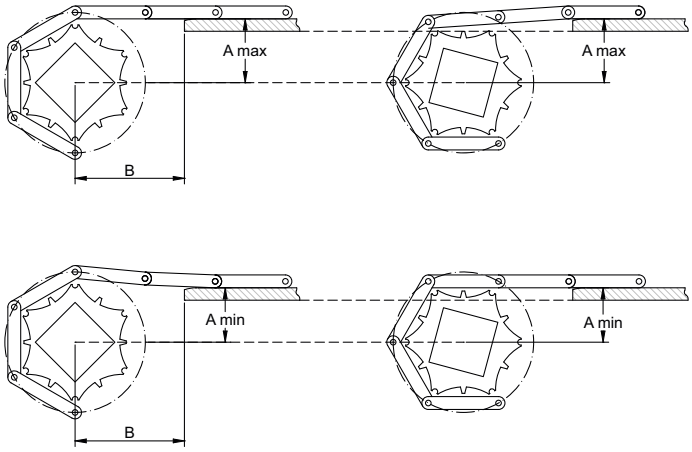


Teeth nr.	A_{max} [mm]	A_{min} [mm]	B1 [mm]	B2 [mm]	C_{max} [mm]
8	28,7	26,1	38	28	54
10	37,7	36,3	40	28	75
12	45,2	43,6	44	28	91
15	56,5	54,5	50	28	116
18	67,8	65,4	57	28	140

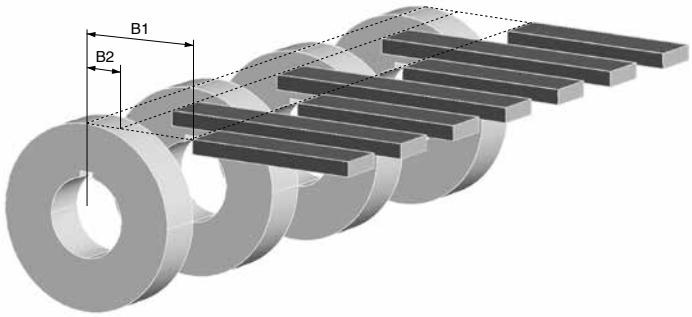
A_{max} = sliding surface position so that the height of the belt engaging the sprocket oscillates between the sliding surface height and a lower one. The height variation depends on the number of teeth and the pitch of the sprocket.

A_{min} = sliding surface position so that the height of the belt engaging the sprocket oscillates between the sliding surface height and a higher one. The height variation depends on the number of teeth and the pitch of the sprocket.

The choice of A dimensions depends on the items you have to carry.
It is always suggested to make a chamfer at the end of the sliding guides.



In order to avoid any subsidence of the belt in the area between the guiding strip and the sprockets, it It is possible to locate the guides between the sprockets. Two minimum B1 and B2 dimensions are defined.



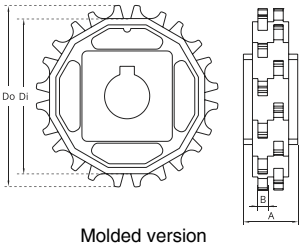
Sprockets for NMMD254 type bi-directional

Teeth nr.	Dp [mm]	Do [mm]	A [mm] Solid	C [mm] Split	B [mm]	Available standard bore	
						Square [mm]	Ø round + set-screw UNI
8	68,4	67,7	30	40	7	25x25*	25*
10	82,8	85,7	30	40	7	40x40*	25 - 30*
12	98,9	102,0	30	40	7	40x40*	25 - 30*
15	123,1	126,0	30	40	7	40x40*	25 - 30*
16	134,1	134,0	30	40	7	40x40*	25 - 30*
18	147,4	150,6	30	40	7	40x40*	25 - 30*
20	162,4	166,4	30	40	7	40x40*	30*

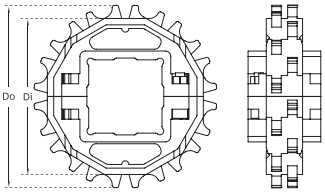
**Molded split version available.*
Standard material: nylon PA6 fiberglass.
It is possible to supply sprocket with any number of teeth or any material by CNC machining
Dp = Pitch diameter
Do = External tooth diameter

Part number NSEC254TR -R 25 K -Z12

- Type
- Bore type: R = round / Q = square
- Bore dimension (mm)
- K = with set-scew
- Teeth nr.



Molded version in one piece.



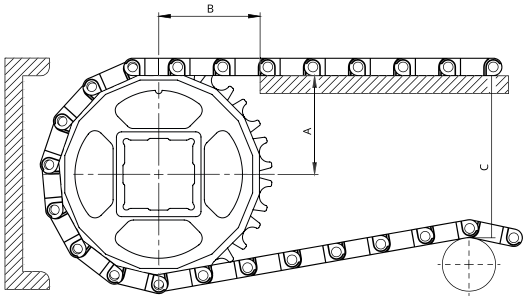
Split version molded in two parts.

Belt width W [mm]			167	200	250	300	350	400	450	500	550	600	700	800	900	1000
Number of sprockes	Drive shaft	Belt tension ≤ 50% of the capacity	2	2	2	3	3	4	4	4	5	6	6	7	8	8
		Belt tension = 100% of the capacity	2	2	3	4	5	5	5	5	7	8	9	11	13	14
	Driven shaft		2	2	2	2	3	3	3	4	4	4	4	5	5	5
Sliding guides			2	2	2	3	3	4	4	4	4	5	6	7	7	8

Non-standard width increments: 16,7 mm

Mounting

When mounting the sprockets, make sure that you have mounted all sprockets oriented in the same phase.
Only axially lock the central sprocket and leave the other sprockets free to move axially



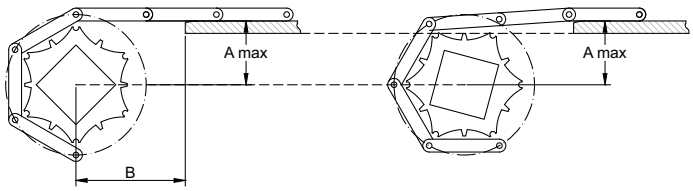
Teeth nr.	A_{max} [mm]	A_{min} [mm]	B1 [mm]	B2 [mm]	C_{max} [mm]
8	27,8	25,7	38	28	54
10	35,8	34,1	40	28	75
12	43,9	42,4	44	28	91
15	56,0	54,8	50	28	116
16	60,0	58,9	57	28	140
18	68,1	67,0	65	28	155
20	76,1	75,2	74	28	170

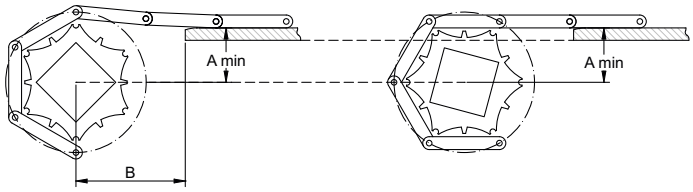
Sprockets for NMMD254 type bi-directional

A_{max} = sliding surface position so that the height of the belt engaging the sprocket oscillates between the sliding surface height and a lower one. The height variation depends on the number of teeth and the pitch of the sprocket.

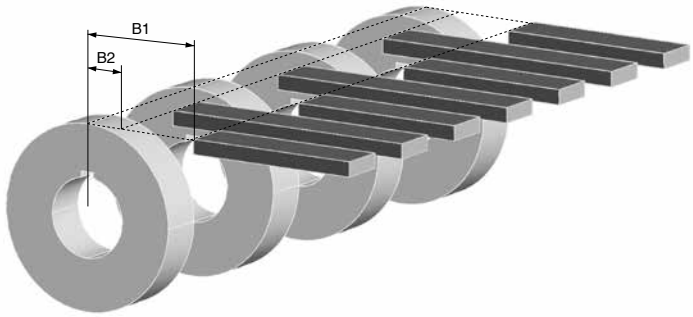
A_{min} = sliding surface position so that the height of the belt engaging the sprocket oscillates between the sliding surface height and a higher one. The height variation depends on the number of teeth and the pitch of the sprocket.

The choice of A dimensions depends on the items you have to carry.
It is always suggested to make a chamfer at the end of the sliding guides.





In order to avoid any subsidence of the belt in the area between the guiding strip and the sprockets, it It is possible to locate the guides between the sprockets. Two minimum B1 and B2 dimensions are defined.



NMMD254G48

PITCH 25,4 mm / 1”

Belt type: open flat surface
Pin diameter: Ø 5 mm
Open area: 48%
Hole openings: 9x13,5 e 6x16,5
Minimum width: 203,4 mm
Thickness: 11 mm
Accessories: -
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
POM	White - blue	PA
EHT	Black	AISI 304
PP	Blue	POM

Other materials and colors are available upon request.

Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	8400	+5 ÷ +90	FDA - EU	5,0
POM	PA	15100	-40 ÷ +80	FDA - EU	6,6
POM	PP	12400	+5 ÷ +70	FDA - EU	6,6
PHT	AISI 304	13500	+10 ÷ +160	-	8,1

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
203,4	Multiple: 33,8	-	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

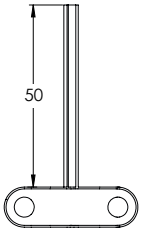
**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*

Part number **NMMD 254 G48 -POM -W**

- Type
- Pitch
- Open flat surface at 48%
- Belt color: W = white / B = blue / K = black
- Belt material:
  POM = acetal resin / PP = polypropylene
  HT = PHT - high temperature composite material

Accessories for NMMD254G48 type

Flights



In case of need of flights the following table shows the standard indent. it is possible to have a special indent according to specific customer request.

Standard indent [mm]	Z	35	68,8	102,6

In the case of wide belts, one or more gaps is recommended between flights to allow the belt to be supported on the return path. The maximum width not supported by guides depends on several factors such as the load on the belt, possible incline of the conveyor, and belt or pin material.

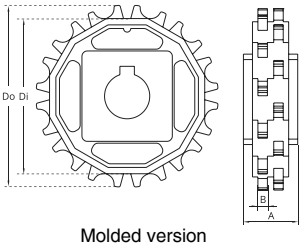
Sprockets for NMMD254G48 type

Teeth nr.	Di [mm]	Do [mm]	A [mm]	B [mm]	Available standard bore	
					Square [mm]	Ø round + set-screw UNI
8	52	67	30	6	25x25*	25*
10	96	8	30	6	40x40*	25 - 30*
12	85,8	100,8	30	6	40x40*	25 - 30*
15	110,8	125,8	30	6	40x40*	25 - 30*
16	119,1	134,1	30	6	40x40*	25 - 30*
18	135,6	150,6	30	6	40x40*	25 - 30*
20	150,7	167,3	30	6	40x40*	25 - 30*

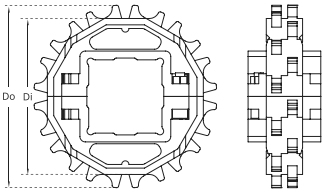
** Available in split version.*
Standard material: nylon PA6 fiberglass.
It is possible to supply sprocket with any number of teeth or any material by CNC machining
Dp = Pitch diameter
Do = External tooth diameter

Part number NSEC254TR -R 25 K -Z12

- Type
- Bore type: R = round / Q = square
- Bore dimension (mm)
- K = with set-scew
- Teeth nr.



Molded version in one piece.



Split version molded in two parts.

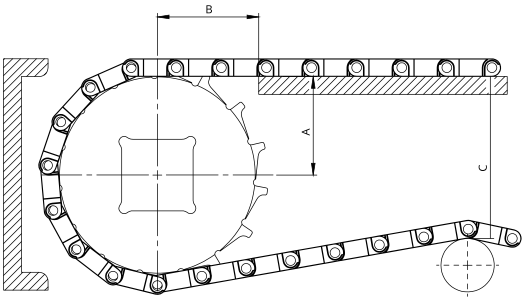
Belt width [mm]			200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600
Number of sprockes	Drive shaft	Belt tension ≤ 50% of the capacity	2	3	4	5	6	6	7	8	8	9	10	11	13
		Belt tension = 100% of the capacity	2	4	5	6	8	9	11	13	14	16	17	19	22
	Driven shaft		2	2	3	3	3	4	4	4	5	5	6	6	7
Sliding guides			2	3	4	4	5	6	7	7	8	9	9	10	12

Belt width [mm]			1800	2000	2200	2400	2600
Number of sprockes	Drive shaft	Belt tension ≤ 50% of the capacity	14	15	16	18	20
		Belt tension = 100% of the capacity	25	28	30	32	34
	Driven shaft		8	9	10	11	12
Sliding guides			13	14	15	17	19

Mounting

When mounting the sprockets, make sure that you have mounted all sprockets oriented in the same phase.
Only axially lock the central sprocket and leave the other sprockets free to move axially

Sprockets for NMMD254G48 type

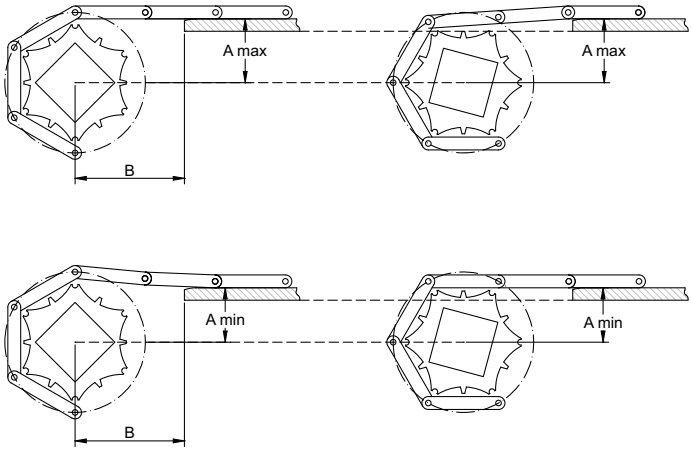


Teeth nr.	A_{max} [mm]	A_{min} [mm]	B1 [mm]	B2 [mm]	C_{max} [mm]
8	27,8	25,7	38	28	54
10	35,8	34,1	40	28	75
12	43,9	42,4	44	28	91
15	56,0	54,8	50	28	116
16	60,0	58,9	57	28	140
18	68,1	67,0	65	28	155
20	76,1	75,2	74	28	170

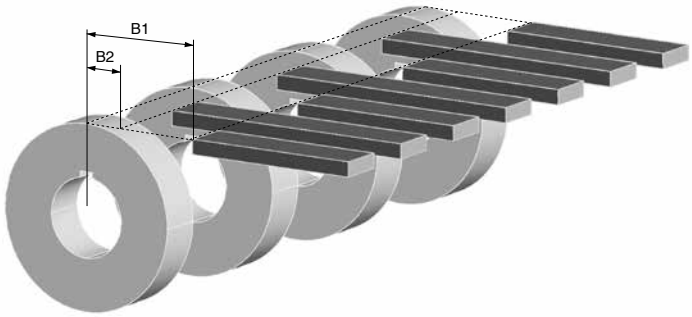
A_{max} = sliding surface position so that the height of the belt engaging the sprocket oscillates between the sliding surface height and a lower one. The height variation depends on the number of teeth and the pitch of the sprocket.

A_{min} = sliding surface position so that the height of the belt engaging the sprocket oscillates between the sliding surface height and a higher one. The height variation depends on the number of teeth and the pitch of the sprocket.

The choice of A dimensions depends on the items you have to carry.
It is always suggested to make a chamfer at the end of the sliding guides.



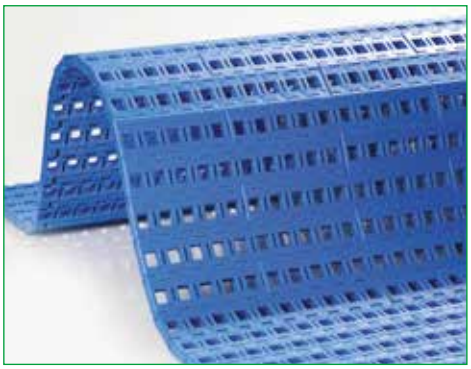
In order to avoid any subsidence of the belt in the area between the guiding strip and the sprockets, it It is possible to locate the guides between the sprockets. Two minimum B1 and B2 dimensions are defined.



NMXP254FG

PITCH 25,4 mm / 1”

Belt type: open flat surface flush grid
Pin diameter: Ø 4,5 mm
Open area: 24%
Hole openings: 9,4x8,4 / 9,4x1,2
Minimum width: 152,4 mm
Thickness: 8,8 mm
Accessories: flights - side wall



Standard executions

Belt material	Belt color	Pin
PP	Blue	PP

Other materials and colors are available upon request.

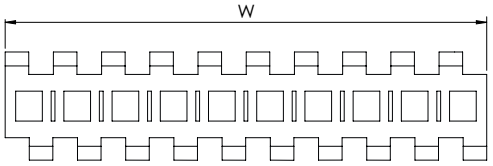
Belt material	Pin material	Belt performance [N/m]	Range di temperature [°C]	Weight [Kg/m²]
PP	PP	11300	+5 ÷ +90	5,3
PE	PE	10000	-73 ÷ +66	5,4
POM	PA	22500	-40 ÷ +80	7,4
POM	PP	18100	+5 ÷ +70	7,4

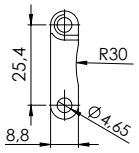
PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
152,4	Multiple: 76,2	Multiple: 15,24	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*





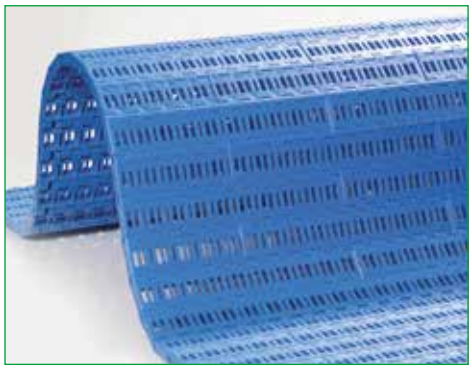
Part number **NMXP 254 FG -PP -B**

- NMXP: Type
- 254: Pitch
- FG: Open flat surface flush grid
- -PP: Belt material: POM = acetal resin / PP = polypropylene / PE = polyethylene / PA = polyamide
- -B: Belt color: B = blue

NMXP254P22

PITCH 25,4 mm / 1”

Belt type: perforated flat belt surface
Pin diameter: Ø 4,5 mm
Open area: 19%
Hole openings: 9,4x3 / 9,4x1,2 mm
Minimum width: 152,4 mm
Thickness: 8,8 mm
Accessories: flights - side wall



Standard executions

Belt material	Belt color	Pin
PP	Blue	PP

Other materials and colors are available upon request.

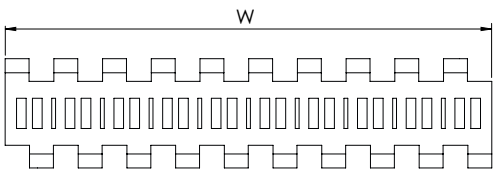
Belt material	Pin material	Belt performance [N/m]	Range di temperature [°C]	Weight [Kg/m²]
PP	PP	13100	+5 ÷ +90	5,3
PE	PE	11600	-73 ÷ +66	5,5
POM	PA	25500	-40 ÷ +80	7,5
POM	PP	21000	+5 ÷ +70	7,5

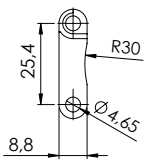
PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
152,4	Multiple: 76,2	Multiple: 15,24	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*



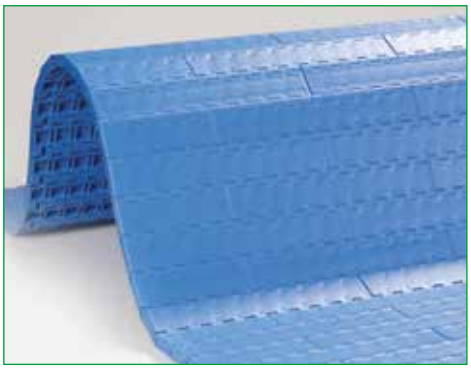


Part number **NMXP 254 P17 -PP -B**

- Type
- Pitch
- Perforated flat belt surface
- Belt material: POM = acetal resin / PP = polypropylene / PE = polyethylene / PA = polyamide
- Belt color: B = blue

NMXP254C

PITCH 25,4 mm / 1”



Belt type: closed flat top surface
Pin diameter: Ø 4,5 mm
Open area: 0%
Hole openings: -
Minimum width: 152,4 mm
Thickness: 8,8 mm
Accessories: flights - side wall - positrack

Standard executions

Belt material	Belt color	Pin
PP	Blue	PP

Other materials and colors are available upon request.

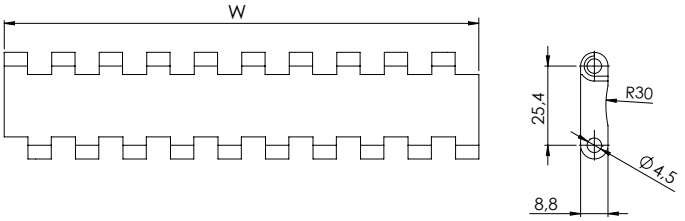
Belt material	Pin material	Belt performance [N/m]	Range di temperature [°C]	Weight [Kg/m²]
PP	PP	13800	+5 ÷ +90	5,6
PE	PE	12100	-73 ÷ +66	5,8
POM	PA	26700	-40 ÷ +80	7,9
POM	PP	22000	+5 ÷ +70	7,9

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
152,4	Multiple: 76,2	Multiple: 15,24	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*



POSITRACK EXECUTION

Part number **NMXP 254 C -PP -B**

- Type: Closed flat top surface
- Pitch
- Belt material: POM = acetal resin / PP = polypropylene / PE = polyethylene / PA = polyamide
- Belt color: B = blue

NMXP254GT

PITCH 25,4 mm / 1”

Belt type: closed rubber top surface
Pin diameter: Ø 4,5 mm
Open area: 0%
Hole openings: -
Minimum width: 152,4 mm
Thickness: 8,8
Accessories: flights - side wall

Standard executions

Belt material	Belt color	Rubber color	Pin
PP	Blue	Black	PP

Other materials and colors are available upon request.

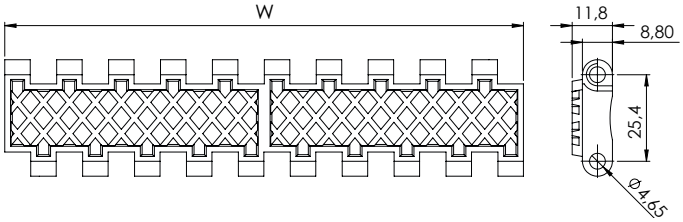
Belt material	Pin material	Belt performance [N/m]	Range di temperature [°C]	Weight [Kg/m²]
PP	PP	13800	-5 ÷ +60	6,3

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
152,4	Multiple: 76,2	Multiple: 15,24	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*



Part number **NMXP 254 GT -PP -BK**

- Type
- Pitch
- Closed rubber top surface
- Belt material: POM = acetal resin / PP = polypropylene PE = polyethylene / PA = polyamide
- Belt color: BK = blue base black rubber

NMXP254CL

PITCH 25,4 mm / 1”

Belt type: closed flat top surface
Pin diameter: Ø 4,5 mm
Open area: 0%
Hole openings: -
Minimum width: 152,4 mm
Thickness: 8,8 mm
Accessories: flights - side wall

Standard executions

Belt material	Belt color	Pin
POM	Blue / yellow	PA - POM - PP

Other materials and colors are available upon request.

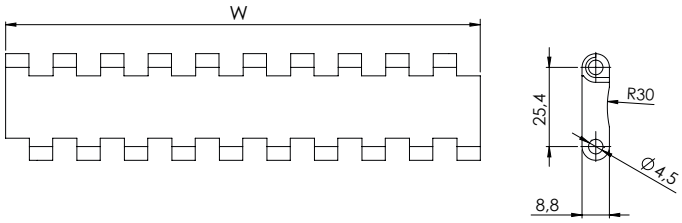
Belt material	Pin material	Belt performance [N/m]	Range di temperature [°C]	Weight [Kg/m²]
POM	PA	28400	-40 ÷ +80	7,9
POM	PP	23400	+5 ÷ +70	7,9

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
152,4	Multiple: 76,2	-	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*



Part number **NMXP 254 CL -PP -B**

- Type
- Pitch
- Closed flat top surface
- Belt material: POM = acetal resin / PP = polypropylene PE = polyethylene / PA = polyamide
- Belt color: B = blue / Y = yellow

NMXP254CR

PITCH 25,4 mm / 1”

Belt type: non-slip closed surface
Pin diameter: Ø 4,5 mm
Open area: 0%
Hole openings: -
Minimum width: 152,4 mm
Thickness: 8,8 + 0,5 mm
Accessories: flights - side wall

Standard executions

Belt material	Belt color	Pin
POM	Blue / yellow	PA - POM - PP

Other materials and colors are available upon request.

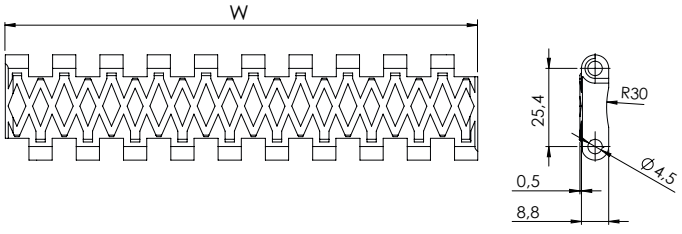
Belt material	Pin material	Belt performance [N/m]	Range di temperature [°C]	Weight [Kg/m²]
POM	PA	28400	-40 ÷ +80	8,0
POM	PP	23400	+5 ÷ +70	8,0

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
152,4	Multiple: 76,2	-	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*

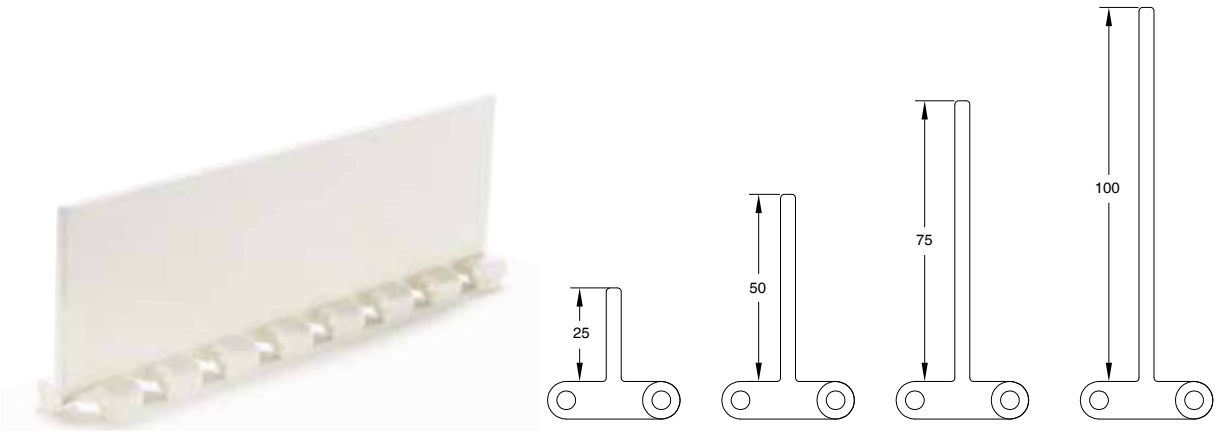


Part number **NMXP 254 CR -POM -B**

- Type
- Pitch
- Non-slip closed surface
- Belt color: B = blue / Y = yellow
- Belt material: POM = acetal resin / PP = polypropylene PE = polyethylene / PA = polyamide

Accessories for XP254 type

Flights

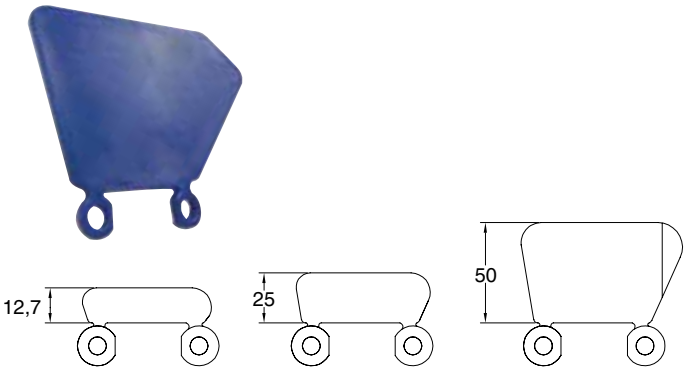


In case of need of flights the following table shows the standard indent. it is possible to have a special indent according to specific customer request.

Standard indent [mm]	Z	30,4	45,6	60,8

In the case of wide belts, one or more gaps is recommended between flights to allow the belt to be supported on the return path. The maximum width not supported by guides depends on several factors such as the load on the belt, possible incline of the conveyor, and belt or pin material.

Side wall



Inner and outer side wall indent [mm]							
	Y_i	16	23	30	38	46	53
	Y_e	26	33	40	48	56	63

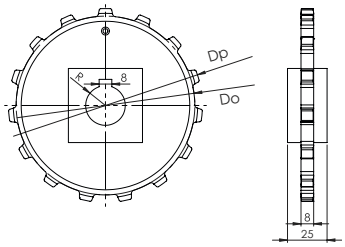
Sprockets for XP254 type

Teeth nr.	Dp [mm]	Do [mm]	A [mm]	B [mm]	Available standard bore	
					Square [mm]	Ø round + set-screw UNI
8	66,4	65	25	8	25x25	25
10	82,2	81	25	8	40x40	25 - 30
12	98,1	97	25	8	40x40	25 - 30
15	122,2	122	25	8	40x40* - 60x60*	25 - 30
18	146,3	146	25	8	40x40* - 60x60*	25 - 30

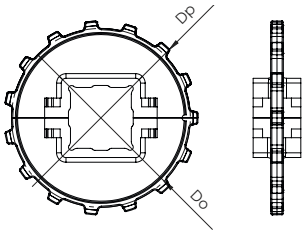
** Available in split version.*
Standard material: nylon PA6 fiberglass.
It is possible to supply sprocket with any number of teeth or any material by CNC machining
Dp = Pitch diameter
Do = External tooth diameter

Part number NSXP254 -R 25 K -Z12

- Type
- Bore type: R = round / Q = square
- Bore dimension (mm)
- K = with set-scew
- Teeth nr.



Molded version
in one piece.



Split version
molded in two parts.

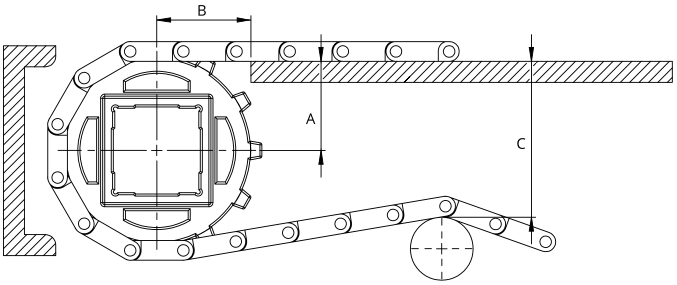
Belt width [mm]			152,4	228,6	304,8	381,0	457,2	533,4	609,6	685,8	762,0	838,2	914,4	990,6	1066,8
Number of sprockes	Drive shaft	Belt tension ≤ 50% of the capacity	2	2	3	4	5	5	6	6	7	7	8	8	9
		Belt tension = 100% of the capacity	2	3	4	5	6	7	8	9	10	11	13	14	15
	Driven shaft		2	2	2	3	3	3	3	4	4	4	4	5	5
Sliding guides			2	3	3	4	4	5	5	6	6	7	7	8	8

Belt width [mm]			1143	1219,2	1295,4	1371,6	1447,8	1524	1600,2	1676,4	1752,6	1828,8	1905	1981,2	2057,4
Number of sprockes	Drive shaft	Belt tension ≤ 50% of the capacity	9	10	10	11	11	12	12	12	13	14	14	15	15
		Belt tension = 100% of the capacity	16	17	18	19	20	21	22	23	25	26	27	28	29
	Driven shaft		5	6	6	7	7	7	8	8	8	9	9	10	10
Sliding guides			9	9	10	10	11	11	12	12	13	13	14	14	15

Mounting

When mounting the sprockets, make sure that you have mounted all sprockets oriented in the same phase.
Only axially lock the central sprocket and leave the other sprockets free to move axially

Sprockets for XP254 type

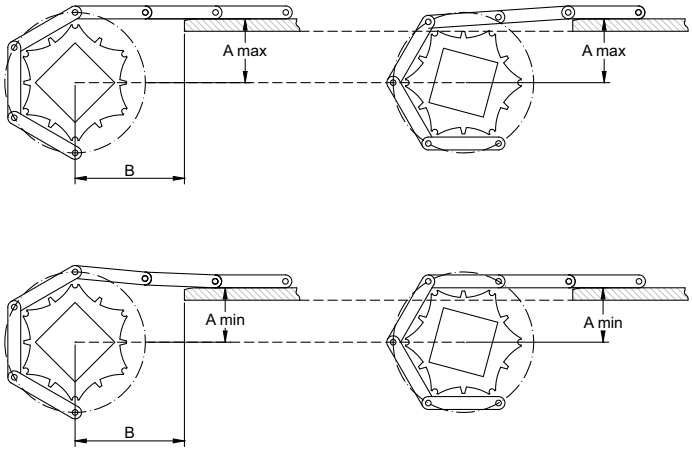


Teeth nr.	A_{max} [mm]	A_{min} [mm]	B1 [mm]	B2 [mm]	C_{max} [mm]
8	28,5	27	39	28	60
10	35,0	33,2	41	28	77
12	43,0	41,5	45	28	93
15	55,5	54,5	51	28	118
18	68,2	67,5	55	28	143

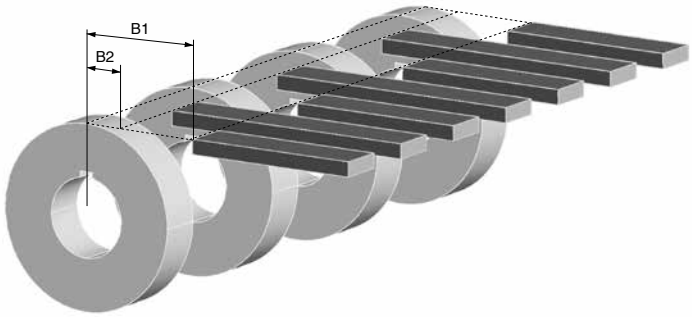
A_{max} = sliding surface position so that the height of the belt engaging the sprocket oscillates between the sliding surface height and a lower one. The height variation depends on the number of teeth and the pitch of the sprocket.

A_{min} = sliding surface position so that the height of the belt engaging the sprocket oscillates between the sliding surface height and a higher one. The height variation depends on the number of teeth and the pitch of the sprocket.

The choice of A dimensions depends on the items you have to carry.
It is always suggested to make a chamfer at the end of the sliding guides.



In order to avoid any subsidence of the belt in the area between the guiding strip and the sprockets, it It is possible to locate the guides between the sprockets. Two minimum B1 and B2 dimensions are defined.



NMHP254C

PITCH 25,4 mm / 1”

Belt type: closed flat top surface
Pin diameter: Ø 5 mm
Open area: 0%
Hole openings: -
Minimum width: 152,4 mm
Thickness: 10 mm
Accessories: flights - side wall
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
PP	White - blue - Gray	PP
POM	White - blue	PA

Other materials and colors are available upon request.

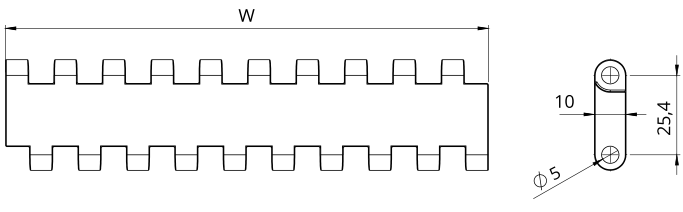
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	14620	+5 ÷ +90	FDA - EU	6,9
POM	POM	26250	-43 ÷ +70	FDA - EU	9,9
POM	PA	28350	-40 ÷ +80	FDA - EU	9,7
POM	PP	23100	+5 ÷ +70	FDA - EU	9,7

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
152,4	Multiple: 76,2	Multiple: 15,24	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*



Part number **NMHP 254 C -POM -W**

- Type
- Pitch
- Closed flat top surface
- Belt material: POM = acetal resin / PP = polypropylene PE = polyethylene / PA = polyamide
- Belt color: W = white / B = blue / G = Gray

NMHP254P22

PITCH 25,4 mm / 1”

Belt type: flat perforated surface
Pin diameter: Ø 5 mm
Open area: 16%
Hole openings: 2,2x7,6 mm
Minimum width: 152,4 mm
Thickness: 10 mm
Accessories: flights - side wall
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
PP	White - blue	PP
POM	White - blue	PA

Other materials and colors are available upon request.

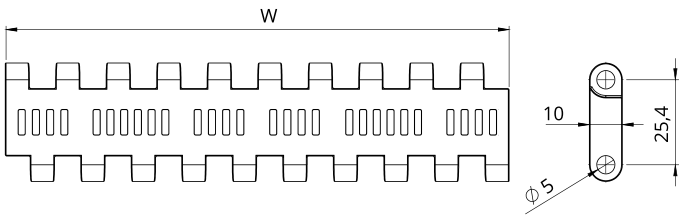
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	13650	+5 ÷ +90	FDA - EU	6,6
POM	POM	25120	-43 ÷ +70	FDA - EU	9,2
POM	PA	27100	-40 ÷ +80	FDA - EU	9,0
POM	PP	22100	+5 ÷ +70	FDA - EU	9,0

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
152,4	Multiple: 76,2	Multiple: 15,24	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*



Part number **NMHP 254 P22 -POM -W**

- Type
- Pitch
- Flat perforated surface at 22%
- Belt material: POM = acetal resin / PP = polypropylene PE = polyethylene / PA = polyamide
- Belt color: W = white / B = blue

NMHP254GT

PITCH 25,4 mm / 1”

Belt type: closed surface with rubber top insert
Pin diameter: Ø 5 mm
Open area: 0%
Inserto: gomma 40 Sh
Minimum width: 152,4 mm
Thickness: 10 + 3 mm
Accessories: flights - side wall

Standard executions

Belt material	Belt color	Rubber color	Pin
PP	White	White	PP

Other materials and colors are available upon request.

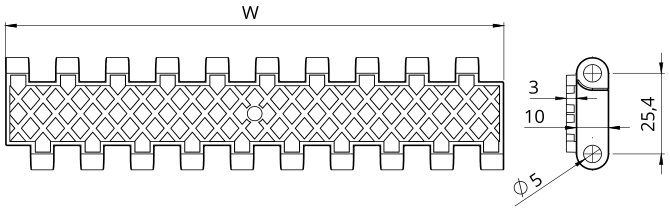
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	14620	+5 ÷ +50	-	7,1

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
152,4	Multiple: 76,2	Multiple: 15,24	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*

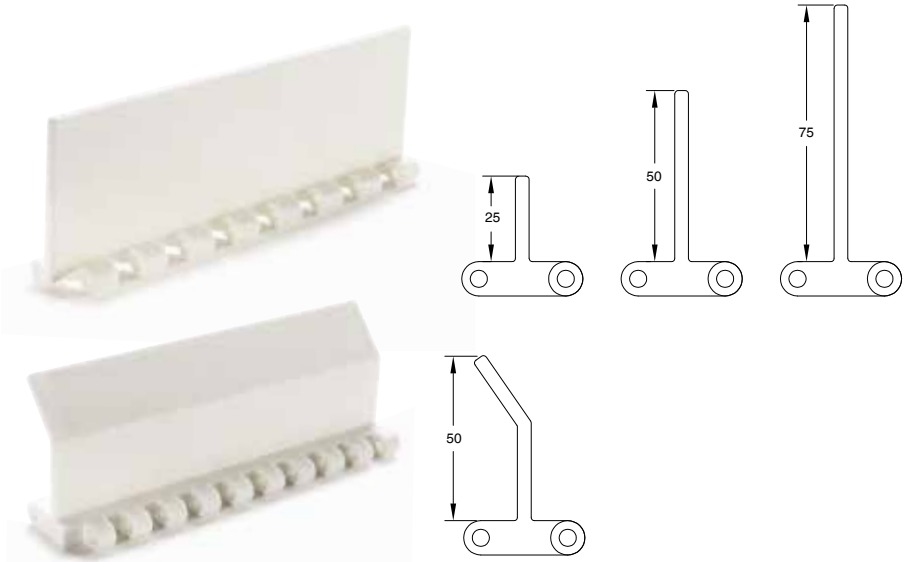


Part number **NMHP 254 GT -POM -WW**

- Type: Closed surface with rubber top insert
- Pitch
- Belt material: POM = acetal resin / PP = polypropylene / PE = Polyethylene
- Belt color: WW = white base rubber white

Accessories for NMHP254 type

Flights

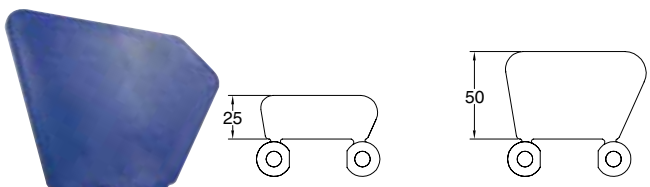


In case of need of flights the following table shows the standard indent. it is possible to have a special indent according to specific customer request.

Standard indent [mm]	Z	30,4	45,6	60,8

In the case of wide belts, one or more gaps is recommended between flights to allow the belt to be supported on the return path. The maximum width not supported by guides depends on several factors such as the load on the belt, possible incline of the conveyor, and belt or pin material.

Side wall

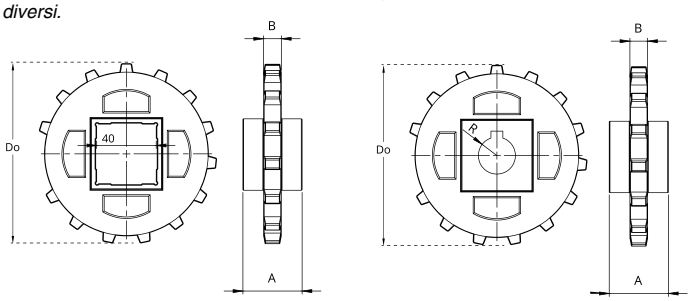


Inner and outer side wall indent [mm]	Y_i	16	23	30	38	46	53
	Y_e	26	33	40	48	56	63

Sprockets for HP254 type

Teeth nr.	Dp [mm]	Do [mm]	A [mm]	B [mm]	Available standard bore	
					Square [mm]	Ø round + set-screw UNI
8	67,4	64,0	40	12	25x25	25 - 30
10	83,5	82,5	40	12	40x40	25 - 30
12	99,7	99,5	40	12	40x40	25 - 30
15	124,1	124,0	40	12	40x40	25 - 30
18	148,6	149,5	40	12	40x40	25 - 30

Materiale standard: POM.
È possibile realizzare da macchina utensile pignoni con numero di denti e materiali diversi.



Part number NSHP254 -R 25 K -Z12

- Type
- Bore type: R = round / Q = square
- Bore dimension (mm)
- K = with set-scew
- Teeth nr.

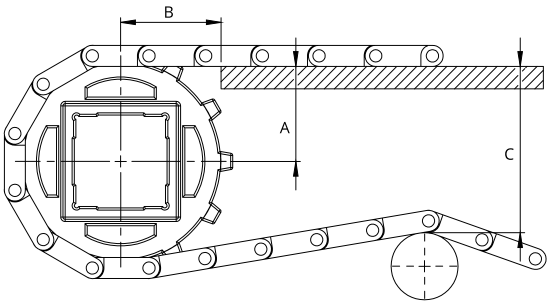
Belt width [mm]			152,4	228,6	304,8	381,0	457,2	533,4	609,6	685,8	762,0	838,2	914,4	990,6	1066,8
Number of sprockes	Drive shaft	Belt tension ≤ 50% of the capacity	2	2	3	4	5	5	6	6	7	7	8	8	9
		Belt tension = 100% of the capacity	2	3	4	5	6	7	8	9	10	11	13	14	15
	Driven shaft		2	2	2	3	3	3	3	4	4	4	4	5	5
Sliding guides			2	3	3	4	4	5	5	6	6	7	7	8	8

Belt width [mm]			1143	1219,2	1295,4	1371,6	1447,8	1524	1600,2	1676,4	1752,6	1828,8	1905	1981,2	2057,4
Number of sprockes	Drive shaft	Belt tension ≤ 50% of the capacity	9	10	10	11	11	12	12	12	13	14	14	15	15
		Belt tension = 100% of the capacity	16	17	18	19	20	21	22	23	25	26	27	28	29
	Driven shaft		5	6	6	7	7	7	8	8	8	9	9	10	10
Sliding guides			9	9	10	10	11	11	12	12	13	13	14	14	15

Mounting

When mounting the sprockets, make sure that you have mounted all sprockets oriented in the same phase.
Only axially lock the central sprocket and leave the other sprockets free to move axially

Sprockets for HP254 type

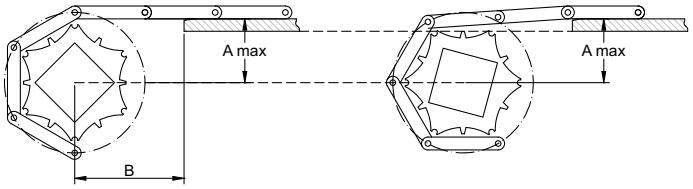


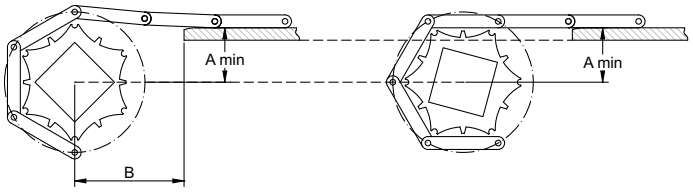
Teeth nr.	A_{max} [mm]	A_{min} [mm]	B1 [mm]	B2 [mm]	C_{max} [mm]
8	28,0	26,0	39	28	58
10	36,8	35,0	41	28	77
12	45,0	43,5	45	28	93
15	57,0	56,0	51	28	118
18	69,0	68,3	55	28	143

A_{max} = sliding surface position so that the height of the belt engaging the sprocket oscillates between the sliding surface height and a lower one. The height variation depends on the number of teeth and the pitch of the sprocket.

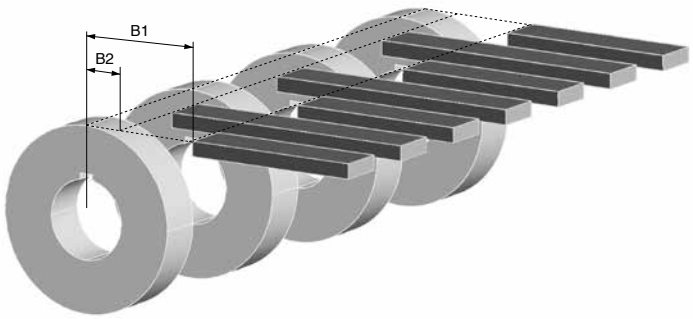
A_{min} = sliding surface position so that the height of the belt engaging the sprocket oscillates between the sliding surface height and a higher one. The height variation depends on the number of teeth and the pitch of the sprocket.

The choice of A dimensions depends on the items you have to carry.
It is always suggested to make a chamfer at the end of the sliding guides.





In order to avoid any subsidence of the belt in the area between the guiding strip and the sprockets, it It is possible to locate the guides between the sprockets. Two minimum B1 and B2 dimensions are defined.



NMEC381C

PITCH 38,1 mm / 1,5”

Belt type: closed flat top surface
Pin diameter: Ø 5,7 mm
Open area: 0%
Hole openings: -
Minimum width: 152,4 mm
Thickness: 12,5 mm
Accessories: flights - side wall
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
PP	White - blue	PP
PE	White - light blue	POM
POM	White - blue	PA

Other materials and colors are available upon request.

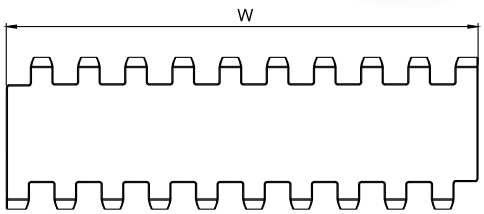
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	15900	+5 ÷ +90	FDA - EU	6,35
PE	PE	15200	-73 ÷ +66	FDA - EU	6,60
POM	POM	26950	-43 ÷ +70	FDA - EU	9,60
POM	PA	29100	-40 ÷ +80	FDA - EU	9,30
POM	PP	24200	+5 ÷ +70	FDA - EU	9,30

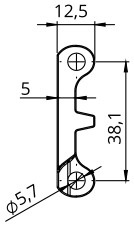
PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
152,4	Multiple: 76,2	Multiple: 15,24	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*





Part number **NMEC 381 C -POM -W**

- Type
- Pitch
- Closed flat top surface
- Belt material: POM = acetal resin / PP = polypropylene PE = polyethylene / PA = polyamide
- Belt color: W = white / B = blue / LB = light blue

NMEC381P22

PITCH 38,1 mm / 1,5”

Belt type: open flat surface
Pin diameter: Ø 5,7 mm
Open area: 22%
Hole openings: 2,5 x 8 mm
Minimum width: 152,4 mm
Thickness: 12,5 mm
Accessories: flights - side wall
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
PP	White - blue	PP
PE	White - light blue	POM
POM	White - blue	PA

Other materials and colors are available upon request.

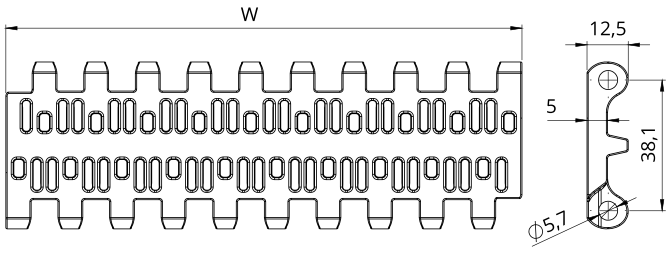
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	15270	+5 ÷ +90	FDA - EU	5,7
PE	PE	13970	-73 ÷ +66	FDA - EU	5,9
POM	POM	26900	-43 ÷ +70	FDA - EU	8,6
POM	PA	29000	-40 ÷ +80	FDA - EU	8,3
POM	PP	23650	+5 ÷ +70	FDA - EU	8,3

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
152,4	Multiple: 76,2	Multiple: 15,24	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*



Part number **NMEC 381 P22 -POM -W**

- Type
- Pitch
- Open flat surface
- Belt material: POM = acetal resin / PP = polypropylene / PE = polyethylene / PA = polyamide
- Belt color: W = white / B = blue / LB = light blue

NMEC381FG

PITCH 38,1 mm / 1,5”

Belt type: open flat surface flush grid
Pin diameter: Ø 5,7 mm
Open area: 30%
Hole openings: 6,5x11 mm
Minimum width: 152,4 mm
Thickness: 12,5 mm
Accessories: flights - side wall
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
PP	White - blue	PP
PE	White - light blue	POM
POM	White - blue	PA

Other materials and colors are available upon request.

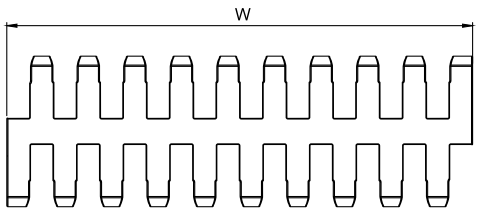
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	14900	+5 ÷ +90	FDA - EU	5,3
PE	PE	14300	-73 ÷ +66	FDA - EU	5,4
POM	POM	24800	-43 ÷ +70	FDA - EU	8,0
POM	PA	26850	-40 ÷ +80	FDA - EU	7,7
POM	PP	21850	+5 ÷ +70	FDA - EU	7,7

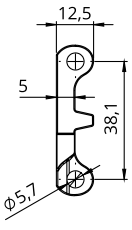
PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
152,4	Multiple: 76,2	Multiple: 15,24	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*





Part number **NMEC 381 FG -POM -W**

- Type: Open flat surface flush grid
- Pitch: 381
- Belt material: POM = acetal resin / PP = polypropylene / PE = polyethylene / PA = polyamide
- Belt color: W = white / B = blue / LB = light blue

NMEC381NT

PITCH 38,1 mm / 1,5”

Belt type: closed surface nub top pattern
Pin diameter: Ø 5,7 mm
Open area: 0%
Hole openings: -
Minimum width: 152,4 mm
Thickness: 14,5 mm
Accessories: flights - side wall
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
PP	White - blue	PP
PE	White - light blue	POM
POM	White - blue	PA

Other materials and colors are available upon request.

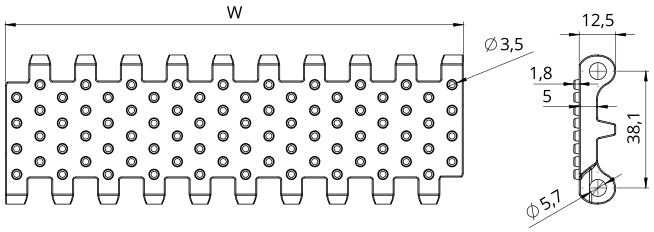
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	15900	+5 ÷ +90	FDA - EU	6,50
PE	PE	15200	-73 ÷ +66	FDA - EU	6,85
POM	POM	26950	-43 ÷ +70	FDA - EU	9,90
POM	PA	29100	-40 ÷ +80	FDA - EU	9,60
POM	PP	24200	+5 ÷ +70	FDA - EU	9,60

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
152,4	Multiple: 76,2	Multiple: 15,24	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*

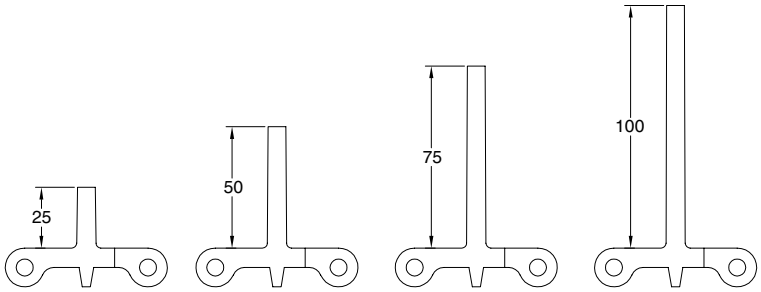


Part number **NMEC 381 NT -POM -W**

- Type
- Pitch
- Closed surface nub top pattern
- Belt material: POM = acetal resin / PP = polypropylene PE = polyethylene / PA = polyamide
- Belt color: W = white / B = blue / BL = light blue

Accessories for EC381 type

Flights

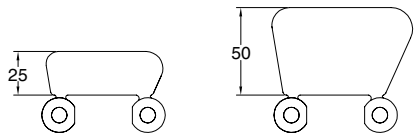


In case of need of flights the following table shows the standard indent. it is possible to have a special indent according to specific customer request.

Standard indent [mm]	Z	15,2	30,4	45,6	60,8

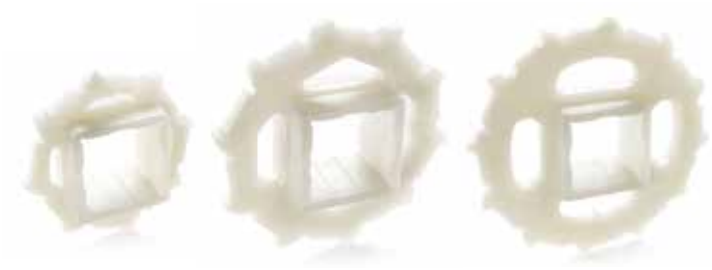
In the case of wide belts, one or more gaps is recommended between flights to allow the belt to be supported on the return path. The maximum width not supported by guides depends on several factors such as the load on the belt, possible incline of the conveyor, and belt or pin material.

Side wall



Inner and outer side wall indent [mm]							
	Y_i	16	23	30	38	46	53
	Y_e	26	33	40	48	56	63

Sprockets for EC381 type

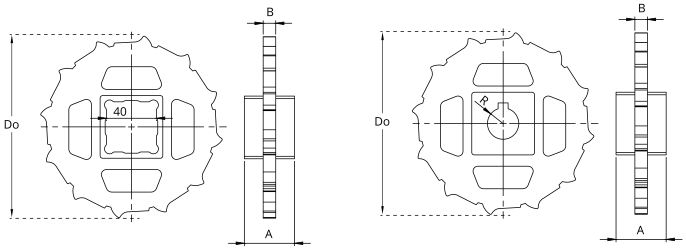


Teeth nr.	Dp [mm]	Do [mm]	A [mm]	B [mm]	Available standard bore	
					Square [mm]	Ø round + set-screw UNI
8	99,6	97,6	40	10	40x40	20 - 25 - 30
10	123,3	122,0	40	10	40x40	20 - 25 - 30
12	147,2	146,4	40	10	40x40	20 - 25 - 30

Materiale standard: nylon PA6 caricato fibra di vetro.
È possibile realizzare da macchina utensile pignoni con numero di denti e materiali diversi.

Part number NSEC381 -R 25 K -Z12

- Type
- Bore type: R = round / Q = square
- Bore dimension (mm)
- K = with set-scew
- Teeth nr.



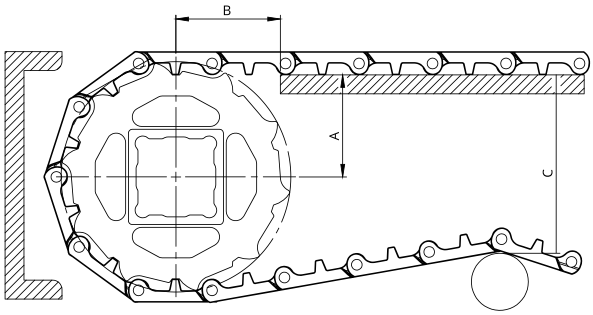
Belt width [mm]			152,4	228,6	304,8	381,0	457,2	533,4	609,6	685,8	762,0	838,2	914,4	990,6	1066,8
Number of sprockes	Drive shaft	Belt tension ≤ 50% of the capacity	2	2	3	4	5	5	6	6	7	7	8	8	9
		Belt tension = 100% of the capacity	2	2	3	4	5	6	7	8	9	10	11	12	13
	Driven shaft		2	2	2	3	3	3	3	4	4	4	4	5	5
Sliding guides			2	3	3	3	4	4	5	5	5	6	6	6	7

Belt width [mm]			1143,0	1219,2	1295,4	1371,6	1447,8	1524,0	1600,2	1676,4	1752,6	1828,8	1905,0	1981,2	2057,4
Number of sprockes	Drive shaft	Belt tension ≤ 50% of the capacity	9	10	10	11	11	12	12	12	13	14	14	15	15
		Belt tension = 100% of the capacity	14	15	16	17	18	19	20	20	21	22	23	24	25
	Driven shaft		5	6	6	7	7	7	8	8	8	9	9	10	10
Sliding guides			7	8	8	8	9	9	10	10	10	11	11	11	12

Mounting

When mounting the sprockets, make sure that you have mounted all sprockets oriented in the same phase.
Only axially lock the central sprocket and leave the other sprockets free to move axially

Sprockets for EC381 type

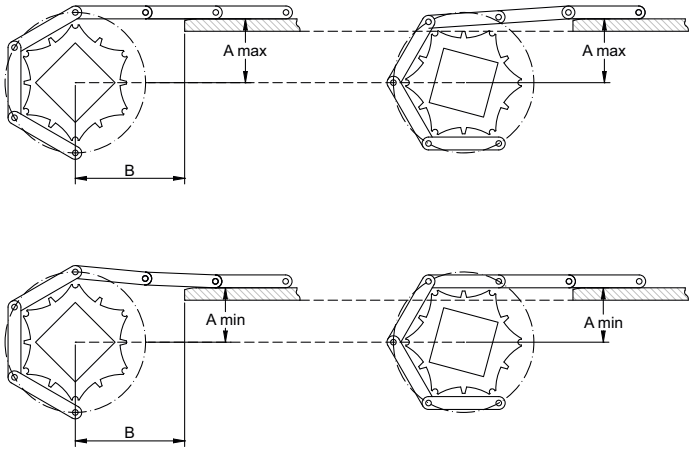


Teeth nr.	A_{max} [mm]	A_{min} [mm]	B1 [mm]	B2 [mm]	C_{max} [mm]
8	44,0	41,0	49	42	91
10	55,5	54,0	55	42	116
12	67,5	66,5	59	42	140

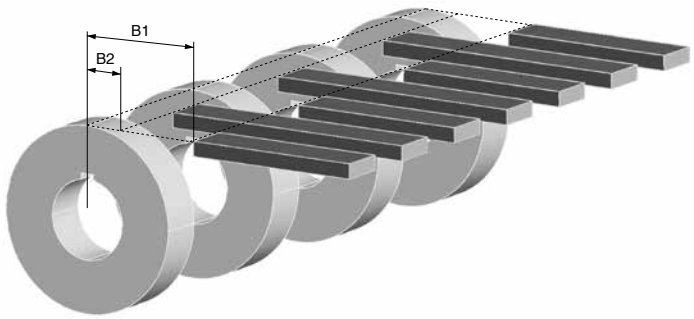
A_{max} = sliding surface position so that the height of the belt engaging the sprocket oscillates between the sliding surface height and a lower one. The height variation depends on the number of teeth and the pitch of the sprocket.

A_{min} = sliding surface position so that the height of the belt engaging the sprocket oscillates between the sliding surface height and a higher one. The height variation depends on the number of teeth and the pitch of the sprocket.

The choice of A dimensions depends on the items you have to carry.
It is always suggested to make a chamfer at the end of the sliding guides.



In order to avoid any subsidence of the belt in the area between the guiding strip and the sprockets, it It is possible to locate the guides between the sprockets. Two minimum B1 and B2 dimensions are defined.



NMEC508C

PITCH 50,8 mm / 2”

Belt type: closed flat top surface
Pin diameter: Ø 7 mm
Open area: 0%
Hole openings: -
Minimum width: 200 mm
Thickness: 16 mm
Accessories: flights - side wall
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
PP	White - blue	PP
PE	White - light blue	POM
POM	White - blue	PA

Other materials and colors are available upon request.

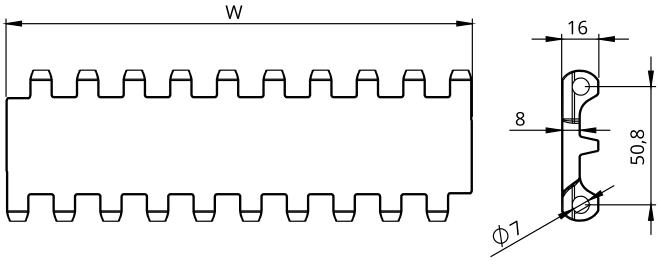
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	17500	+5 ÷ +90	FDA - EU	8,0
PE	PE	16750	-73 ÷ +66	FDA - EU	8,2
POM	POM	29500	-43 ÷ +70	FDA - EU	12,1
POM	PA	31500	-40 ÷ +80	FDA - EU	11,7
POM	PP	25650	+5 ÷ +70	FDA - EU	11,7

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
200	Multiple: 100	20	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*



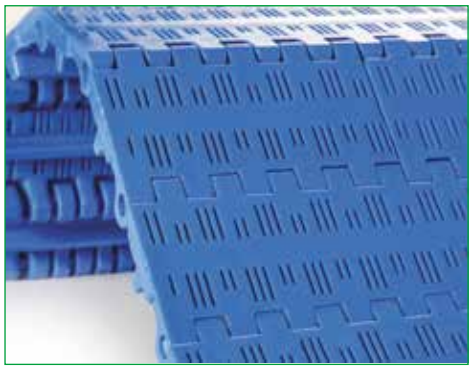
Part number **NMEC 508 C -POM -W**

- Type
- Pitch
- Closed flat top surface
- Belt material: POM = acetal resin / PP = polypropylene / PE = polyethylene / PA = polyamide
- Belt color: W = white / B = blue / BL = light blue

NMEC508P11

PITCH 50,8 mm / 2”

Belt type: open flat surface
Pin diameter: Ø 7 mm
Open area: 11%
Hole openings: 1,2x12 mm
Minimum width: 200 mm
Thickness: 16 mm
Accessories: flights - side wall
Food Certification: FDA - EU



Standard executions

Belt material	Belt color	Pin
PP	White - blue	PP

Other materials and colors are available upon request.

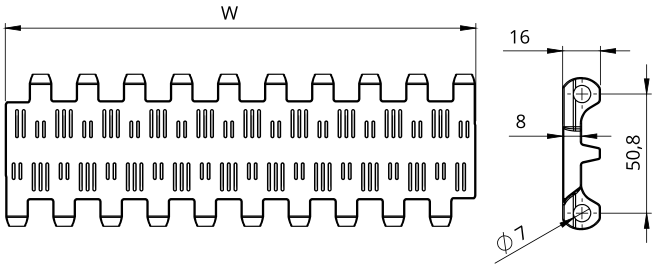
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	16060	+5 ÷ +90	FDA - EU	6,9
PE	PE	15000	-73 ÷ +66	FDA - EU	7,2

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
200	Multiple: 100	20	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*



Part number **NMEC 508 P11 -POM -W**

- Type
- Pitch
- Open flat surface at 11%
- Belt color: W = white / B = blue
- Belt material: POM = acetal resin / PP = polypropylene PE = polyethylene / PA = polyamide

NMEC508P13

PITCH 50,8 mm / 2”

Belt type: flat perforated surface
Pin diameter: Ø 7 mm
Open area: 13%
Hole openings: Ø 3,8 mm
Minimum width: 200 mm
Thickness: 16 mm
Accessories: flights - side wall
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
PP	White - blue	PP
POM	Blue	POM

Other materials and colors are available upon request.

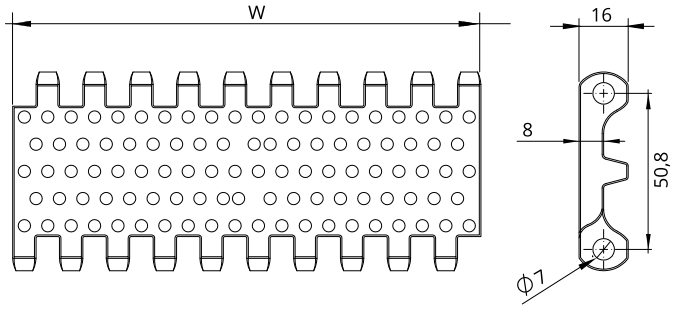
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	16060	+5 ÷ +90	FDA - EU	6,9
PE	PE	15000	-73 ÷ +66	FDA - EU	7,2
POM	POM	28400	-43 ÷ +70	FDA - EU	10,5
POM	PA	30200	-40 ÷ +80	FDA - EU	10,2
POM	PP	24600	+5 ÷ +70	FDA - EU	10,2

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
200	Multiple: 100	20	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*



Part number **NMEC 508 P13 -POM -W**

- Type
- Pitch
- Flat perforated surface at 13%
- Belt material: POM = acetal resin / PP = polypropylene / PE = polyethylene / PA = polyamide
- Belt color: W = white / B = blue

NMEC508P22

PITCH 50,8 mm / 2”

Belt type: open flat surface
Pin diameter: Ø 7 mm
Open area: 22%
Apertura fori max.: 3x12 mm
Minimum width: 200 mm
Thickness: 16 mm
Accessories: flights - side wall
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
PP	White - blue	PP
PE	White - light blue	POM
PPH	Blue	PPH

Other materials and colors are available upon request.

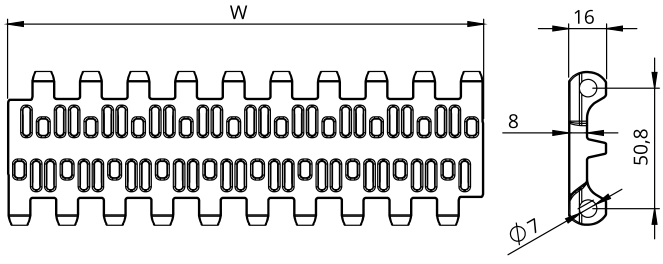
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	16060	+5 ÷ +90	FDA - EU	6,9
PE	PE	15000	-73 ÷ +66	FDA - EU	7,2
PPH	PPH	16200	+20 ÷ +105	FDA - EU	6,9

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamideP-PH = Polypropylene per alte temperature ambiente umido

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
200	Multiple: 100	20	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*



Part number **NMEC 508 P22 -POM -W**

- Type
- Pitch
- Open flat surface at 22%
- Belt color: W = white / B = blue / LB = light blue
- Belt material:
  POM = acetal resin / PP = polypropylene
  PE = polyethylene / PA = polyamide / PH = high temperature polypropylene

NMEC508FG

PITCH 50,8 mm / 2”

Belt type: open flat surface flush grid
Pin diameter: Ø 7 mm
Open area: 35%
Hole openings: 9x12 mm
Minimum width: 200 mm
Thickness: 16 mm
Accessories: flights - side wall
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
PP	White - blue	PP

Other materials and colors are available upon request.

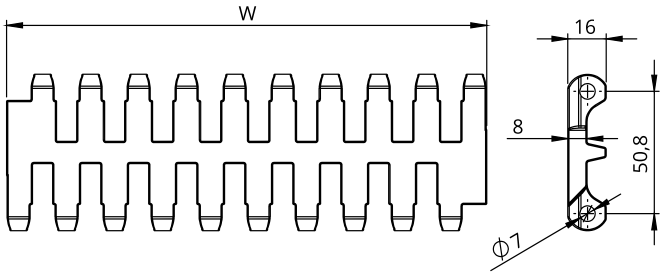
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	15050	+5 ÷ +90	FDA - EU	6,0
PE	PE	12100	-73 ÷ +66	FDA - EU	7,0
POM	POM	24900	-43 ÷ +70	FDA - EU	10,3
POM	PA	26600	-40 ÷ +80	FDA - EU	10,2
POM	PP	21600	+5 ÷ +70	FDA - EU	10,2

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
200	Multiple: 100	20	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*

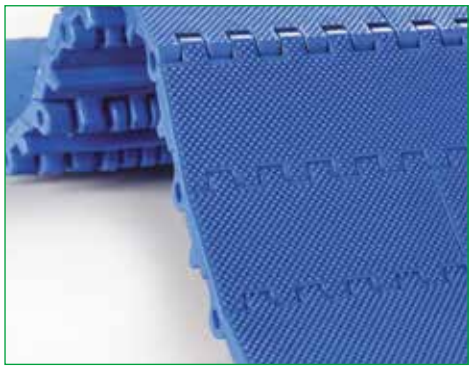


Part number **NMEC 508 FG -POM -W**

- Type: Open flat surface flush grid
- Pitch: 508
- Belt material: POM = acetal resin / PP = polypropylene / PE = polyethylene / PA = polyamide
- Belt color: W = white / B = blue

NMEC508DT

PITCH 50,8 mm / 2”



Belt type: closed surface with pyramid pattern
Pin diameter: Ø 7 mm
Open area: 0%
Hole openings: -
Minimum width: 200 mm
Thickness: 16 + 1 mm
Accessories: flights - side wall
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
PP	White - blue	PP
POM	White - blue	PA

Other materials and colors are available upon request.

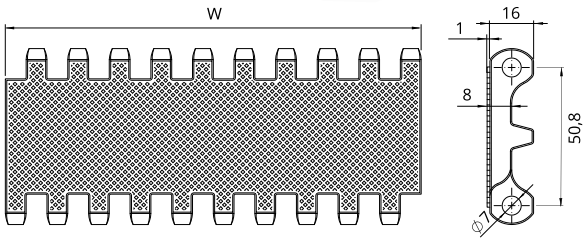
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	17500	+5 ÷ +90	FDA - EU	8,0
PE	PE	16750	-73 ÷ +66	FDA - EU	8,2
POM	POM	29500	-43 ÷ +70	FDA - EU	12,2
POM	PA	31500	-40 ÷ +80	FDA - EU	11,9
POM	PP	25650	+5 ÷ +70	FDA - EU	11,9

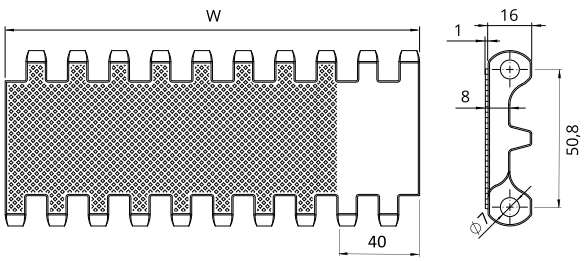
PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
200	Multiple: 100	20	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*



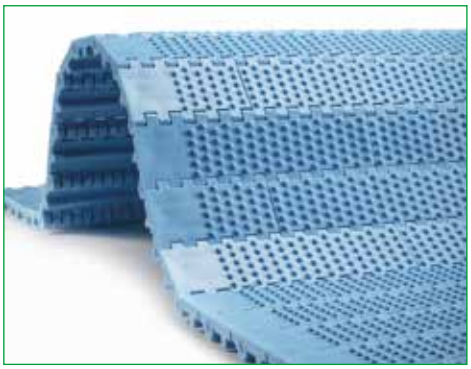


Part number **NMEC 508 DT -POM -W**

- Type
- Pitch
- Closed surface with pyramid pattern
- Belt material: POM = acetal resin / PP = polypropylene PE = polyethylene / PA = polyamide
- Belt color: W = white / B = blue

NMEC508NT

PITCH 50,8 mm / 2”



Belt type: closed surface with pyramid pattern - indent 40 mm
Pin diameter: Ø 7 mm
Open area: 0%
Hole openings: -
Minimum width: 200 mm
Thickness: 16 + 2,5 mm
Accessories: flights - side wall
Food Certification: FDA - EU

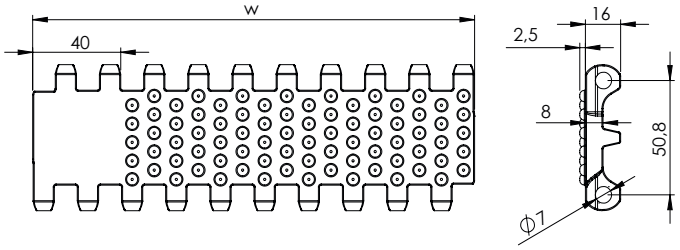
Standard executions

Belt material	Belt color	Pin
POM	White - blue	PP
PE	White - light blue	POM

Other materials and colors are available upon request.

Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PE	PE	16750	-73 ÷ +66	FDA - EU	8,4
POM	POM	29500	-43 ÷ +70	FDA - EU	12,3
POM	PA	31500	-40 ÷ +80	FDA - EU	11,9
POM	PP	26550	+5 ÷ +70	FDA - EU	11,9

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide



Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
200	Multiple: 100	Multiple: 20	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

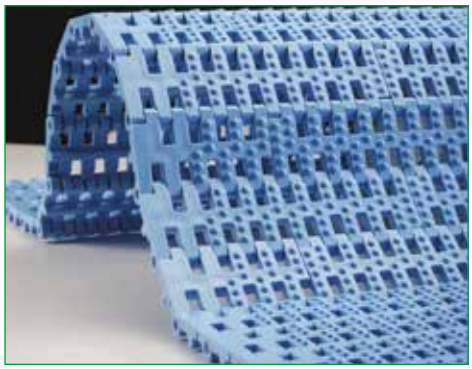
**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*

Part number **NMEC 508 NT -POM -W**

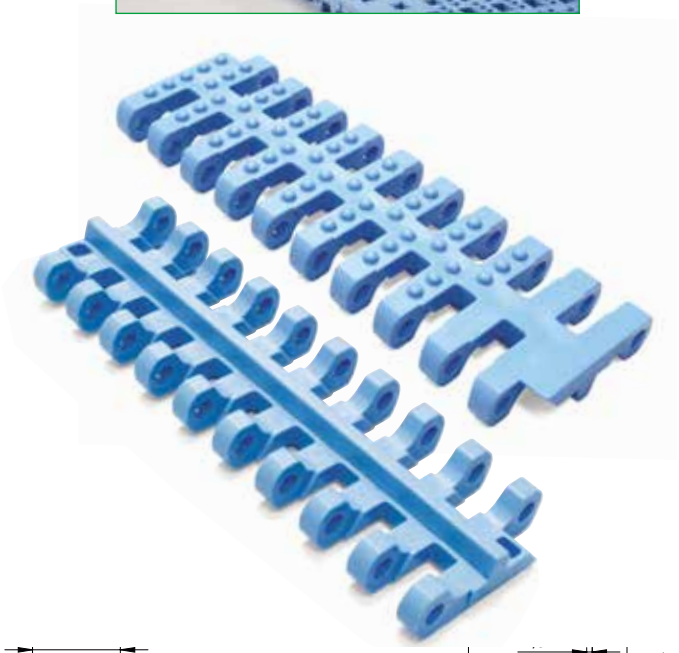
- Type
- Pitch
- Closed surface with pyramid pattern - indent 40 mm
- Belt material: POM = acetal resin / PP = polypropylene / PE = polyethylene / PA = polyamide
- Belt color: W = white / B = blue / LB = light blue

NMEC508FT

PITCH 50,8 mm / 2”



Belt type: open surface with sferical - indetn 40 mm
Pin diameter: Ø 7 mm
Open area: 35%
Hole openings: 9x12 mm
Minimum width: 200 mm
Thickness: 16 + 2,5 mm
Accessories: flights - side wall
Food Certification: FDA - EU



Standard executions

Belt material	Belt color	Pin
POM	White - blue	PP
PE	White - light blue	POM

Other materials and colors are available upon request.

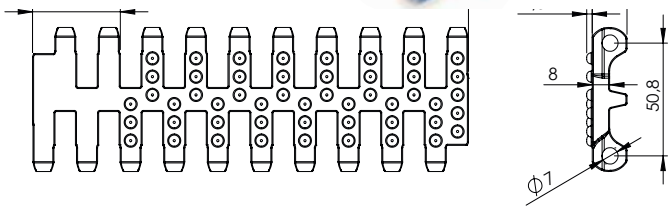
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PE	PE	12100	-73 ÷ +66	FDA - EU	7,2
POM	POM	24900	-43 ÷ +70	FDA - EU	10,5
POM	PA	26600	-40 ÷ +80	FDA - EU	10,4
POM	PP	21600	+5 ÷ +70	FDA - EU	10,4

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
200	Multiple: 50	Multiple: 20	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*



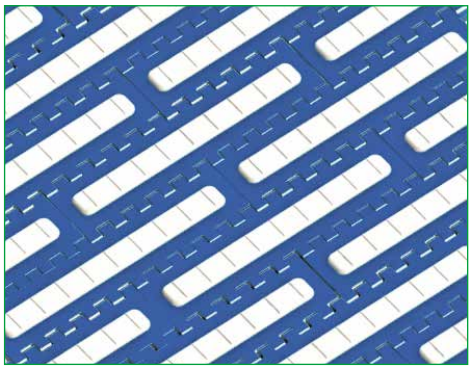
Part number **NMEC 508 FT -POM -W**

- Type
- Pitch
- Open surface with sferical - indetn 40 mm
- Belt material: POM = acetal resin / PP = polypropylene / PE = polyethylene / PA = polyamide
- Belt color: W = white / B = blue / LB = light blue

NMEC508GT

PITCH 50,8 mm / 2”

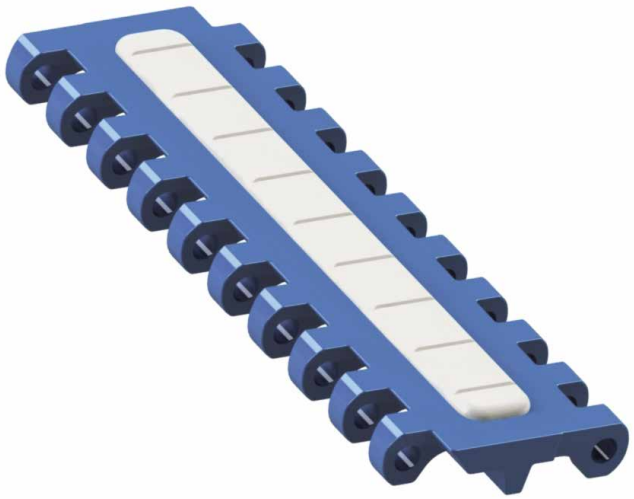
Belt type: closed rubber surface
Pin diameter: Ø 7 mm
Open area: 0%
Hole openings: -
Minimum width: 200 mm
Thickness: 16 mm
Accessories: flights - side wall
Food Certification: FDA - EU



Standard executions

Belt material	Belt color	Pin
PP	White - white	PP
PP	Blue - white	PP

Other materials and colors are available upon request.



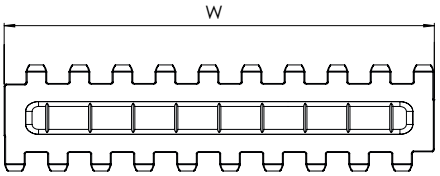
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	17500	+5 ÷ +60	FDA - EU	8,2

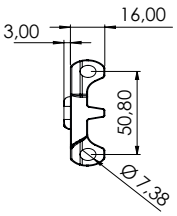
PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
200	Multiple: 100	20	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*





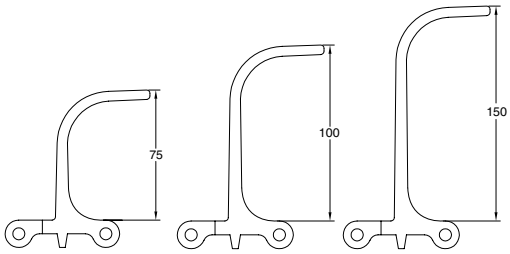
Part number **NMEC 508 GT -PP -WW**

- Type
- Pitch
- Closed rubber surface
- Belt color: W = white / B = blue
- Belt material:
  POM = acetal resin / PP = polypropylene
  PE = polyethylene / PA = polyamide

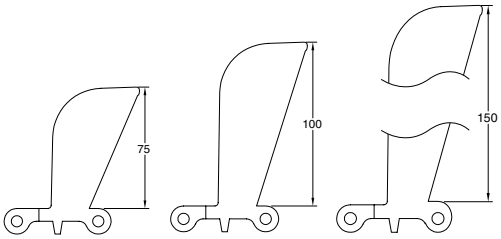
Accessories for EC508 type

Flights

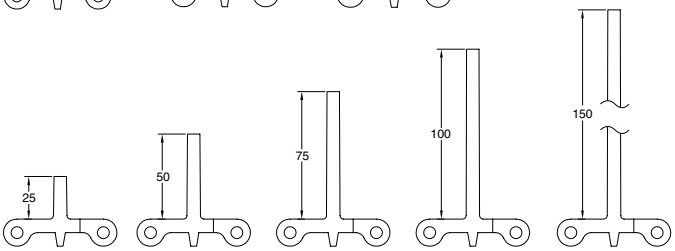
Curved



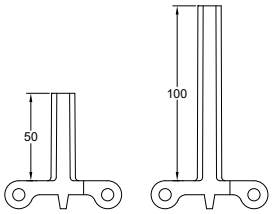
Cup



Heavy load design



No cling execution

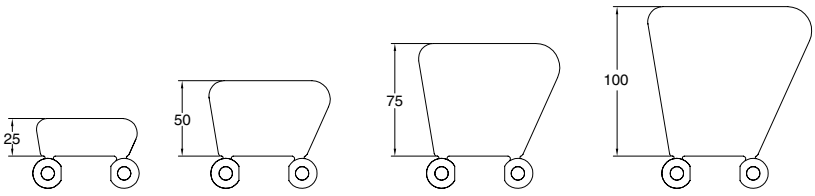


In case of need of flights the following table shows the standard indent. it is possible to have a special indent according to specific customer request.

Standard indent [mm]	Z	40	60	80	100

In the case of wide belts, one or more gaps is recommended between flights to allow the belt to be supported on the return path.
The maximum width not supported by guides depends on several factors such as the load on the belt, possible incline of the conveyor, and belt or pin material.

Side wall



Inner and outer side wall indent [mm]							
	Y_i	20	30	40	50	60	70
	Y_e	32	42	52	62	72	82

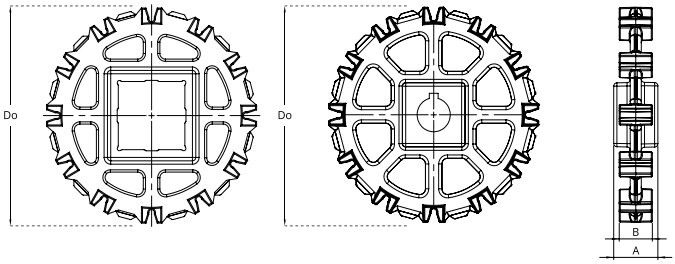
Sprockets for EC508 type

Teeth nr.	Dp [mm]	Do [mm]	A [mm]	B [mm]	Available standard bore	
					Square [mm]	Ø round + set-screw UNI
6	101,6	88,5	40	31	40x40	25 - 30
8	132,7	122,4	40	31	40x40	25 - 30
10	164,4	156,5	40	31	40x40 - 60x60	25 - 30
12	196,3	189,7	40	31	40x40 - 60x60	25 - 30 - 60

Standard material: nylon PA6 fiberglass.
It is possible to supply sprocket with any number of teeth or any material by CNC machining
Dp = Pitch diameter
Do = External tooth diameter

Part number NSEC508 -R 25 K -Z8

- Type
- Bore type: R = round / Q = square
- Bore dimension (mm)
- K = with set-scew
- Teeth nr.



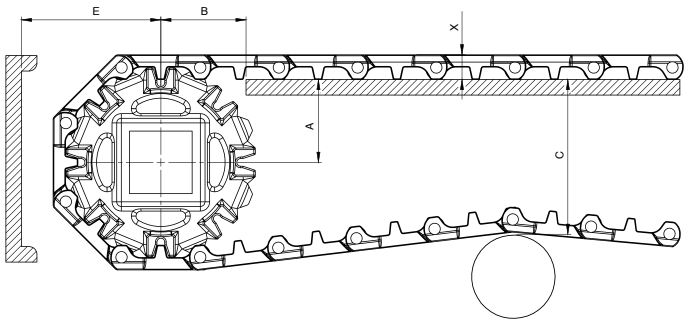
Belt width [mm]			200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600
Number of sprockes	Drive shaft	Belt tension ≤ 50% of the capacity	2	2	3	3	4	5	5	6	6	7	8	9	10
		Belt tension = 100% of the capacity	2	3	5	6	7	8	10	11	12	13	15	17	20
	Driven shaft		2	2	3	3	3	4	4	5	5	5	6	7	7
Sliding guides			2	3	3	3	4	4	5	5	5	6	6	7	8

Belt width [mm]			1800	2000	2200	2400	2600	2800	3000
Number of sprockes	Drive shaft	Belt tension ≤ 50% of the capacity	11	12	13	15	16	17	18
		Belt tension = 100% of the capacity	22	25	27	30	32	35	37
	Driven shaft		8	8	9	10	11	12	13
Sliding guides			9	9	10	11	12	13	13

Mounting

When mounting the sprockets, make sure that you have mounted all sprockets oriented in the same phase.
Only axially lock the central sprocket and leave the other sprockets free to move axially

Sprockets for EC508 type

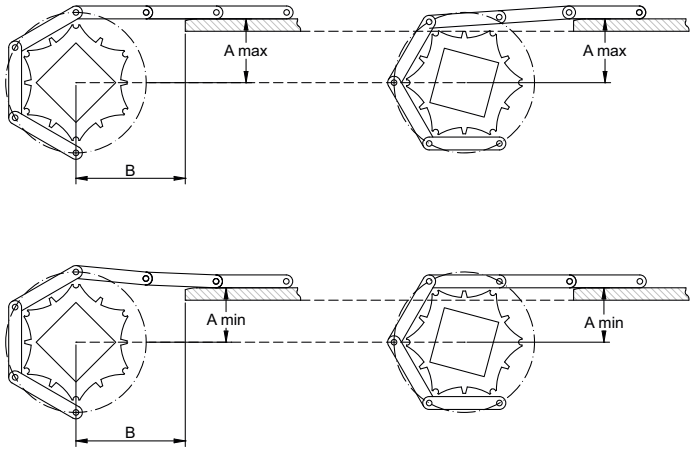


Teeth nr.	A_{max} [mm]	A_{min} [mm]	B1 [mm]	B2 [mm]	C_{max} [mm]
6	42,0	38,0	54	56	89
8	58,0	56,0	62	56	122
10	74,0	72,5	66	56	155
12	90,5	89,0	73	56	187

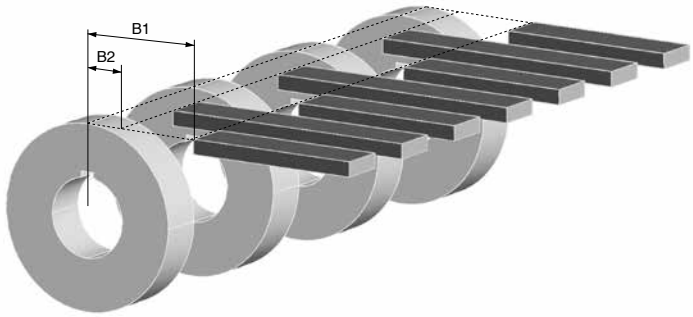
A_{max} = sliding surface position so that the height of the belt engaging the sprocket oscillates between the sliding surface height and a lower one. The height variation depends on the number of teeth and the pitch of the sprocket.

A_{min} = sliding surface position so that the height of the belt engaging the sprocket oscillates between the sliding surface height and a higher one. The height variation depends on the number of teeth and the pitch of the sprocket.

The choice of A dimensions depends on the items you have to carry.
It is always suggested to make a chamfer at the end of the sliding guides.



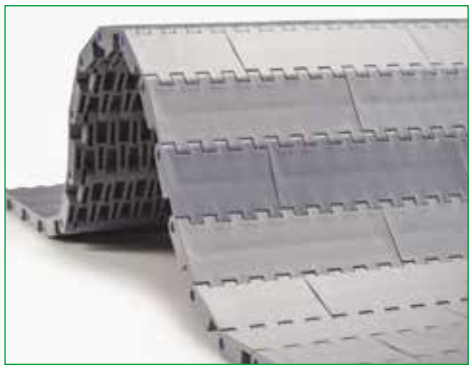
In order to avoid any subsidence of the belt in the area between the guiding strip and the sprockets, it It is possible to locate the guides between the sprockets. Two minimum B1 and B2 dimensions are defined.



NMMD508C

PITCH 50,8 mm / 2”

Belt type: closed flat top surface
Pin diameter: Ø 7 mm
Open area: 0%
Hole openings: -
Minimum width: 150 mm
Thickness: 16 mm
Accessories: flights - side wall
Food Certification: FDA - EU



Standard executions

Belt material	Belt color	Pin
PP	White - blue	PP
POM	White - blue - Gray	PA

Other materials and colors are available upon request.

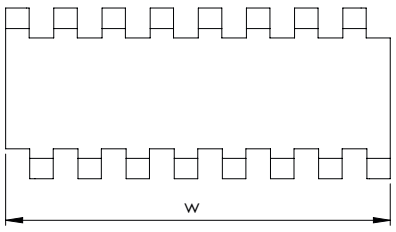
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	38000	+5 ÷ +90	FDA - EU	7,8
PE	PE	24000	-73 ÷ +66	FDA - EU	8,6
POM	POM	55000	-43 ÷ +70	FDA - EU	12,2
POM	PA	57000	-40 ÷ +80	FDA - EU	12,2

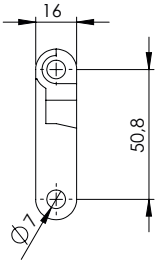
PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
150	Multiple: 75	Multiple: 18,75	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*





Part number **NMMD 508 C -PP -W**

- Type
- Pitch
- Closed flat top surface
- Belt material: POM = acetal resin / PP = polypropylene / PE = polyethylene / PA = polyamide
- Belt color: W = white / B = blue / G = Gray

NMMD508P25

PITCH 50,8 mm / 2”

Belt type: open flat surface
Pin diameter: Ø 7 mm
Open area: 25%
Hole openings: 2x8 - 2x12
Larghezza minima:150 mm
Thickness: 16 mm
Accessories: flights
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
PP	White - blue	PP
POM	White - blue	PA

Other materials and colors are available upon request.

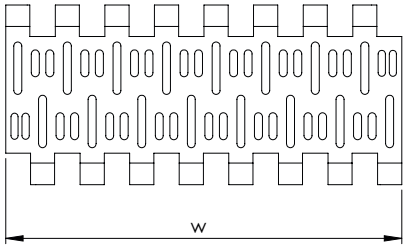
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	36000	+5 ÷ +90	FDA - EU	7,3
PE	PE	23000	-73 ÷ +66	FDA - EU	8,1
POM	POM	53000	-43 ÷ +70	FDA - EU	11,5
POM	PA	55000	-40 ÷ +80	FDA - EU	11,5

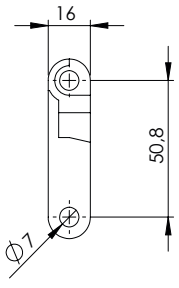
PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
150	Multiple: 75	Multiple: 18,75	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*





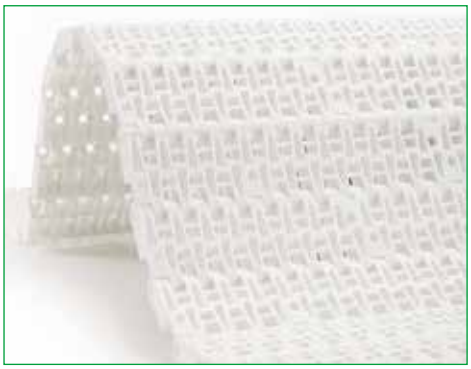
Part number **NMMD 508 P25 -POM -W**

Type
Pitch
Superficie del nastro aperta al 25% liscia

Belt color: W = white / B = blue
Belt material:
POM = acetal resin / PP = polypropylene
PE = polyethylene / PA = polyamide

NMMD508FG

PITCH 50,8 mm / 2”



Belt type: open flat surface flush grid
Pin diameter: Ø 7 mm
Open area: 37%
Hole openings: 20x7 - 9x7 mm
Minimum width: 150 mm
Thickness: 16 mm
Accessories: flights
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
PP	White - blue	PP
POM	White - blue	PA

Other materials and colors are available upon request.

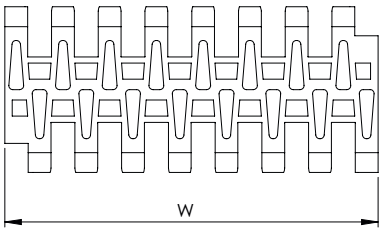
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	35000	+5 ÷ +90	FDA - EU	7,2
PE	PE	22000	-73 ÷ +66	FDA - EU	7,9
POM	POM	51000	-43 ÷ +70	FDA - EU	11,2
POM	PA	52000	-40 ÷ +80	FDA - EU	11,2

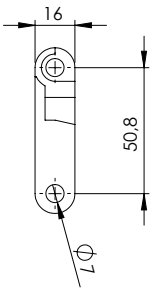
PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
150	Multiple: 75	Multiple: 18,75	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*





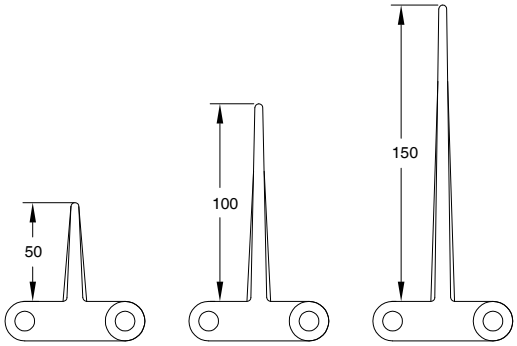
Part number **NMMD 508 FG -PP -W**

- Type: Superficie del nastro aperta liscia flush grid
- Pitch
- Belt material: POM = acetal resin / PP = polypropylene / PE = polyethylene / PA = polyamide
- Belt color: W = white / B = blue

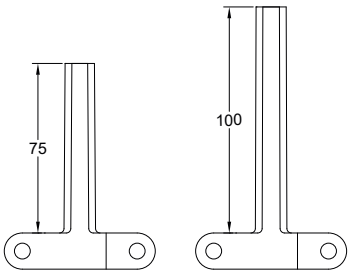
Accessories for MD508 type

Flights

Esecuzione robusta



Esecuzione no cling



In case of need of flights the following table shows the standard indent. it is possible to have a special indent according to specific customer request.

Standard indent [mm]	Z	37,5	56	75

In the case of wide belts, one or more gaps is recommended between flights to allow the belt to be supported on the return path. The maximum width not supported by guides depends on several factors such as the load on the belt, possible incline of the conveyor, and belt or pin material.

Sprockets for MD508 type

Teeth nr.	Dp [mm]	Do [mm]	A [mm]	B [mm]	Available standard bore	
					Square [mm]	Ø round + set-screw UNI
8	107,12	123	40	7	40x40	25 - 30
10	141,00	157	40	7	40x40/60x60	25 - 30
12	174,33	190	40	7	40x40/60x60	25 - 30

Standard material: nylon PA6 fiberglass.
It is possible to supply sprocket with any number of teeth or any material by CNC machining
Dp = Pitch diameter
Do = External tooth diameter

Part number NSMD508C -R 25 K -Z8

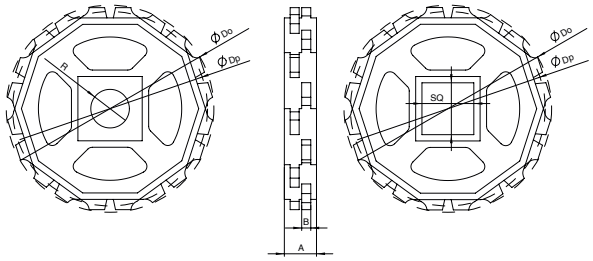
Type

Bore type: R = round / Q = square

Bore dimension (mm)

K = with set-scew

Teeth nr.



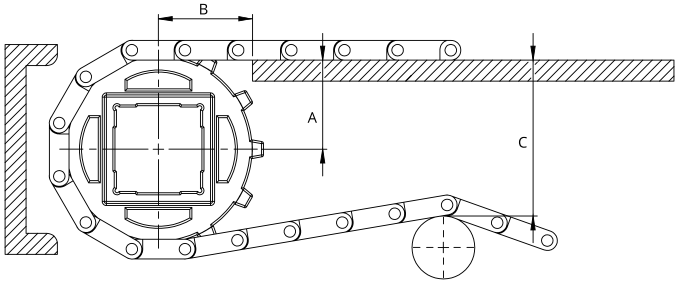
Belt width [mm]			150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950
Number of sprockes	Drive shaft	Belt tension ≤ 50% of the capacity	2	3	4	6	7	9	10	12	13	15	16	18	19
		Belt tension = 100% of the capacity	2	4	6	8	10	12	14	16	18	20	22	24	26
	Driven shaft		2	2	2	4	4	6	6	8	8	10	10	12	12
Sliding guides			2	3	4	4	5	6	6	7	7	8	9	10	11

Belt width [mm]			2100	2250	2400	2550	2700
Number of sprockes	Drive shaft	Belt tension ≤ 50% of the capacity	21	22	24	25	27
		Belt tension = 100% of the capacity	28	30	32	34	36
	Driven shaft		14	14	16	16	18
Sliding guides			12	13	14	14	15

Mounting

When mounting the sprockets, make sure that you have mounted all sprockets oriented in the same phase.
Only axially lock the central sprocket and leave the other sprockets free to move axially

Sprockets for MD508 type

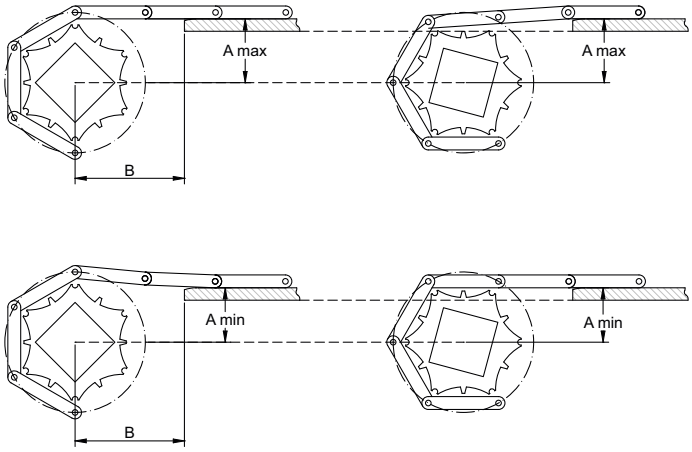


Type	Teeth nr.	A_{max} [mm]	A_{min} [mm]	B1 [mm]	B2 [mm]	C_{max} [mm]
	8	61	55	62	56	110
	10	77	72	66	56	150
	12	92	88	73	56	180

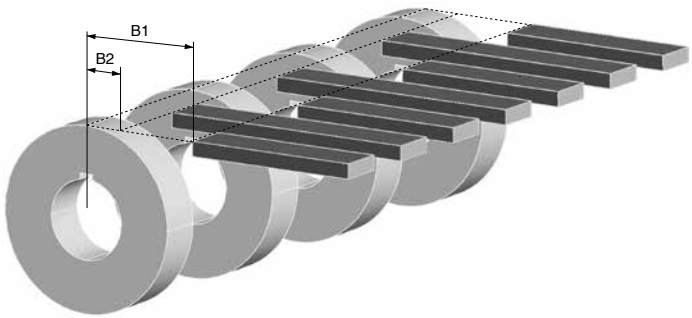
A_{max} = sliding surface position so that the height of the belt engaging the sprocket oscillates between the sliding surface height and a lower one. The height variation depends on the number of teeth and the pitch of the sprocket.

A_{min} = sliding surface position so that the height of the belt engaging the sprocket oscillates between the sliding surface height and a higher one. The height variation depends on the number of teeth and the pitch of the sprocket.

The choice of A dimensions depends on the items you have to carry.
It is always suggested to make a chamfer at the end of the sliding guides.



In order to avoid any subsidence of the belt in the area between the guiding strip and the sprockets, it It is possible to locate the guides between the sprockets. Two minimum B1 and B2 dimensions are defined.



NMHP508C

PITCH 50,8 mm / 2”

Belt type: closed flat top surface
Pin diameter: Ø 7 mm
Open area: 0%
Hole openings: -
Minimum width: 152,4 mm
Thickness: 16 mm
Accessories: -
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
PP	White - blue	PP
PE	White - light blue	POM
POM	White - blue - Gray	PA

Other materials and colors are available upon request.

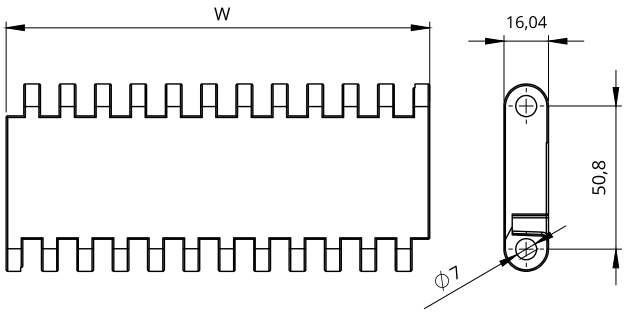
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	26970	+5 ÷ +90	FDA - EU	7,8
PE	PE	24080	-73 ÷ +66	FDA - EU	8,6
POM	POM	40600	-43 ÷ +70	FDA - EU	12,2
POM	PA	43400	-40 ÷ +80	FDA - EU	12,0
POM	PP	35300	+5 ÷ +70	FDA - EU	12,0

PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
152,4	Multiple: 76,2	Multiple: 38,1	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*

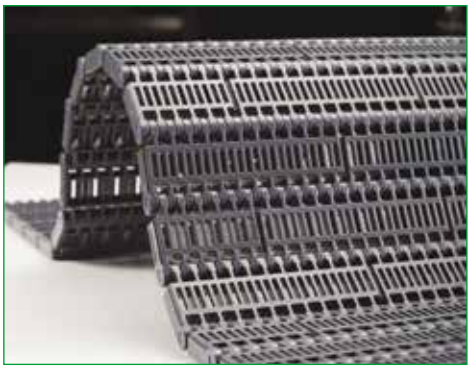


Part number **NMHP 508 P22 -POM -W**

- Type
- Pitch
- Closed flat top surface
- Belt material: POM = acetal resin / PP = polypropylene / PE = polyethylene / PA = polyamide
- Belt color: W = white / B = blue / G = Gray / LB = light blue

NMHP508FG

PITCH 50,8 mm / 2”



Belt type: open flat surface flush grid
Pin diameter: Ø 7 mm
Open area: 36%
Hole openings: 3,5x18,5 mm
Minimum width: 152,4 mm
Thickness: 16 mm
Accessories: -
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
PP	Gray	PP
PE	White - light blue	POM
POM	Blue	PA

Other materials and colors are available upon request.

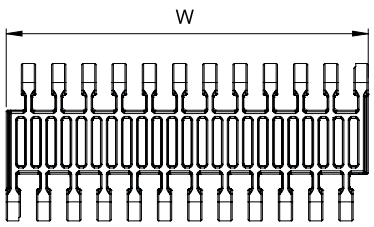
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PP	PP	27000	+5 ÷ +90	FDA - EU	6,7
PE	PE	24000	-73 ÷ +66	FDA - EU	7,4
POM	POM	39500	-43 ÷ +70	FDA - EU	10,9
POM	PA	42000	-43 ÷ +70	FDA - EU	10,6
POM	PP	34000	-43 ÷ +70	FDA - EU	10,6

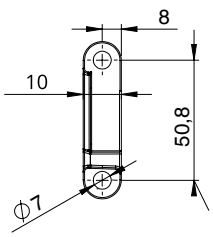
PP = polypropylene - PE = polyethylene - POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
152,4	Multiple: 76,2	-	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*



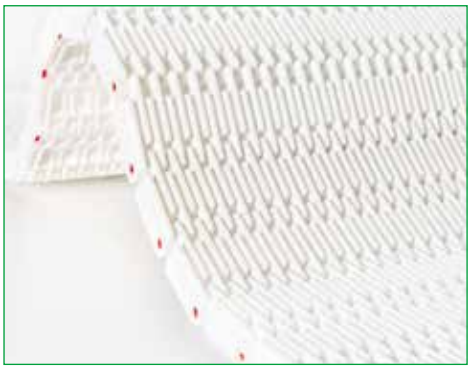


Part number **NMHP 508 FG -POM -W**

- Type
- Pitch
- Superficie del nastro aperta liscia flush grid
- Belt material: POM = acetal resin / PP = polypropylene / PE = polyethylene / PA = polyamide
- Belt color: W = white / B = blue / G = Gray / LB = light blue

NMHP508RR

PITCH 50,8 mm / 2”



Belt type: superficie aperta rised rib
Pin diameter: Ø 7 mm
Open area: 36% (apertura max 3,5x18,5 mm)
Are di contatto con il prodotto: 25%
Minimum width: 152,4 mm
Thickness: 24 mm
Accessories: pettine di carico e scarico
Food Certification: FDA - EU

Standard executions

Belt material	Belt color	Pin
PPH	Gray	PPH

Other materials and colors are available upon request.

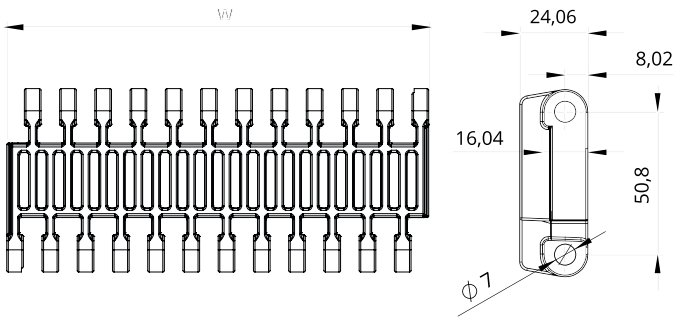
Belt material	Pin material	Belt performance [N/m]	Temperature range [°C]	Certification	Weight [Kg/m²]
PPH	PPH	26050	+15 ÷ +105	FDA - EU	8,9
POM	POM	39500	-43 ÷ +70	FDA - EU	13,5
POM	PA	42200	-40 ÷ +80	FDA - EU	13,2
POM	PP	34350	+5 ÷ +70	FDA - EU	13,2

PPH = Polypropylene per alte temperature - PE = Polyethylene
POM = acetal resin - PA = polyamide

Belt width [W]

Minimum [mm]	Standard increment [mm]	Special increment [mm]	Width tolerance* [mm]
152,4	Multiple: 76,2	-	+/-2 fino a 300
			+/-3 fino a 600
			+/-4 oltre 600

**It is advisable to consider dimensional variations in width based on operating temperatures and humidity when the belt is made of polyamide.*

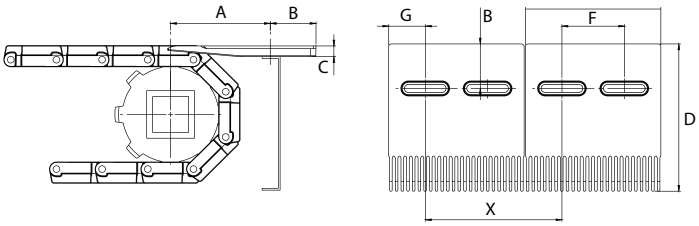


Part number **NMHP 508 RR -PH -G**

- Type
- Pitch
- Superficie del nastro aperta rised rib
- Belt color: G = Gray
- Belt material:
  POM = acetal resin / PP = polypropylene / PA = polyamide
  PH = Polypropylene per alte temperature

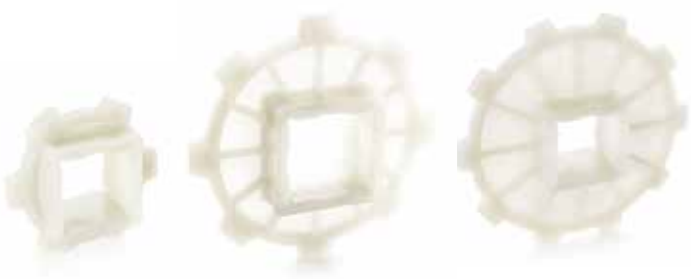
Accessories for NMHP508RR belt

Comb for NMHP508RR belt



Quota	A	B	C	D	E	F	G	X
[mm]	105-115	25	12,5	146	150	75	37,5	155

Sprockets for HP508 type

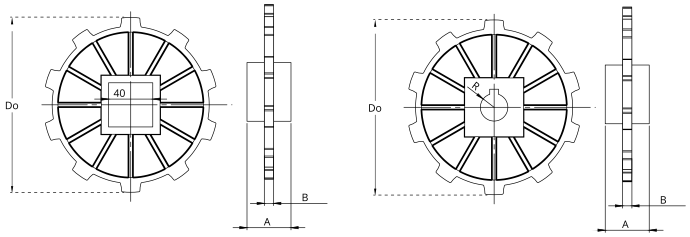


Teeth nr.	Dp [mm]	Do [mm]	A [mm]	B [mm]	Available standard bore	
					Square [mm]	Ø round + set-screw UNI
6	101,6	94,6	40	8,5	40x40	20 - 25 - 30
8	132,7	125,0	40	8,5	40x40	20 - 25 - 30
10	164,4	159,0	40	8,5	40x40	20 - 25 - 30
12	196,3	192,0	40	8,5	40x40	20 - 25 - 30

Materiale standard: nylon PA6 caricato fibra di vetro.
È possibile realizzare da macchina utensile pignoni con numero di denti e materiali diversi.

Part number NSHP508 -R 25 K -Z6

- Type
- Bore type: R = round / Q = square
- Bore dimension (mm)
- K = with set-scew
- Teeth nr.



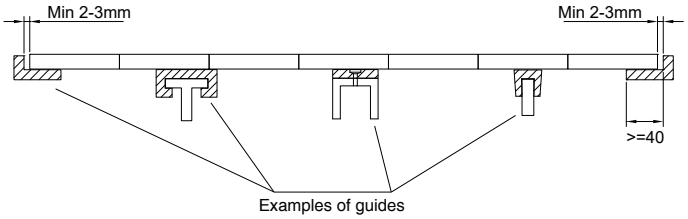
Belt width [mm]			152,4	228,6	304,8	381	457,2	533,4	609,6	685,8	762	838,2	914,4	990,6	1066,8	1143	1219,2	1295,4	1371,6	1447,8
Number of sprockes	Drive shaft	Belt tension ≤ 50% of the capacity	2	2	2	3	3	4	4	5	5	5	6	6	7	7	8	8	9	9
		Belt tension = 100% of the capacity	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	Driven shaft		2	2	2	3	3	3	3	3	4	4	4	4	5	5	6	6	6	7
Sliding guides			2	2	3	3	3	4	4	4	5	5	5	5	6	6	6	7	7	7

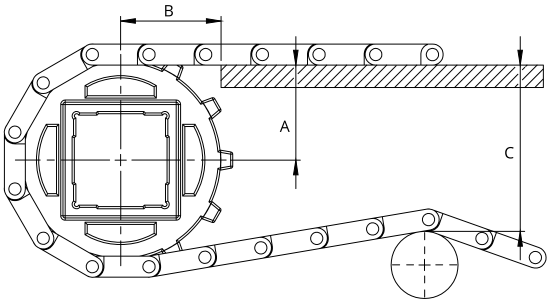
Belt width [mm]			1524	1600,2	1676,4	1752,6	1828,8	1905	1981,2	2057,4	2133,6	2209,8	2286	2514,6	2743,2	2971,8	3200,4	3429	3657,6	3810
Number of sprockes	Drive shaft	Belt tension ≤ 50% of the capacity	9	10	10	11	11	12	12	13	13	13	14	15	17	18	19	21	22	23
		Belt tension = 100% of the capacity	19	20	20	21	22	23	24	25	26	27	28	31	34	37	40	42	45	47
	Driven shaft		7	7	8	8	9	9	9	10	10	10	11	11	12	13	14	15	16	17
Sliding guides			8	8	8	9	9	9	9	10	10	10	11	12	12	13	14	15	16	17

Sprockets for HP508 type

Mounting

When mounting the sprockets, make sure that you have mounted all sprockets oriented in the same phase.
Only axially lock the central sprocket and leave the other sprockets free to move axially



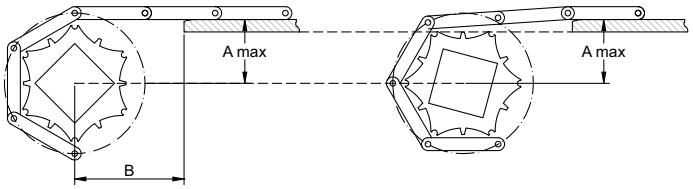


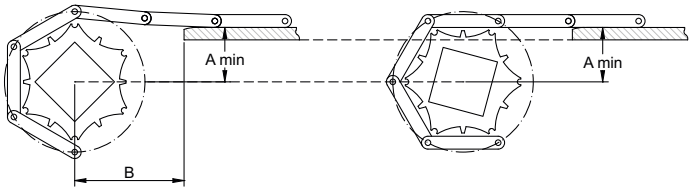
Teeth nr.	A_{max} [mm]	A_{min} [mm]	B1 [mm]	B2 [mm]	C_{max} [mm]
6	42,0	38,0	54	56	89
8	58,0	56,0	62	56	122
10	74,0	72,5	66	56	155
12	90,5	89,0	73	56	187

A_{max} = sliding surface position so that the height of the belt engaging the sprocket oscillates between the sliding surface height and a lower one. The height variation depends on the number of teeth and the pitch of the sprocket.

A_{min} = sliding surface position so that the height of the belt engaging the sprocket oscillates between the sliding surface height and a higher one. The height variation depends on the number of teeth and the pitch of the sprocket.

The choice of A dimensions depends on the items you have to carry.
It is always suggested to make a chamfer at the end of the sliding guides.





In order to avoid any subsidence of the belt in the area between the guiding strip and the sprockets, it It is possible to locate the guides between the sprockets. Two minimum B1 and B2 dimensions are defined.