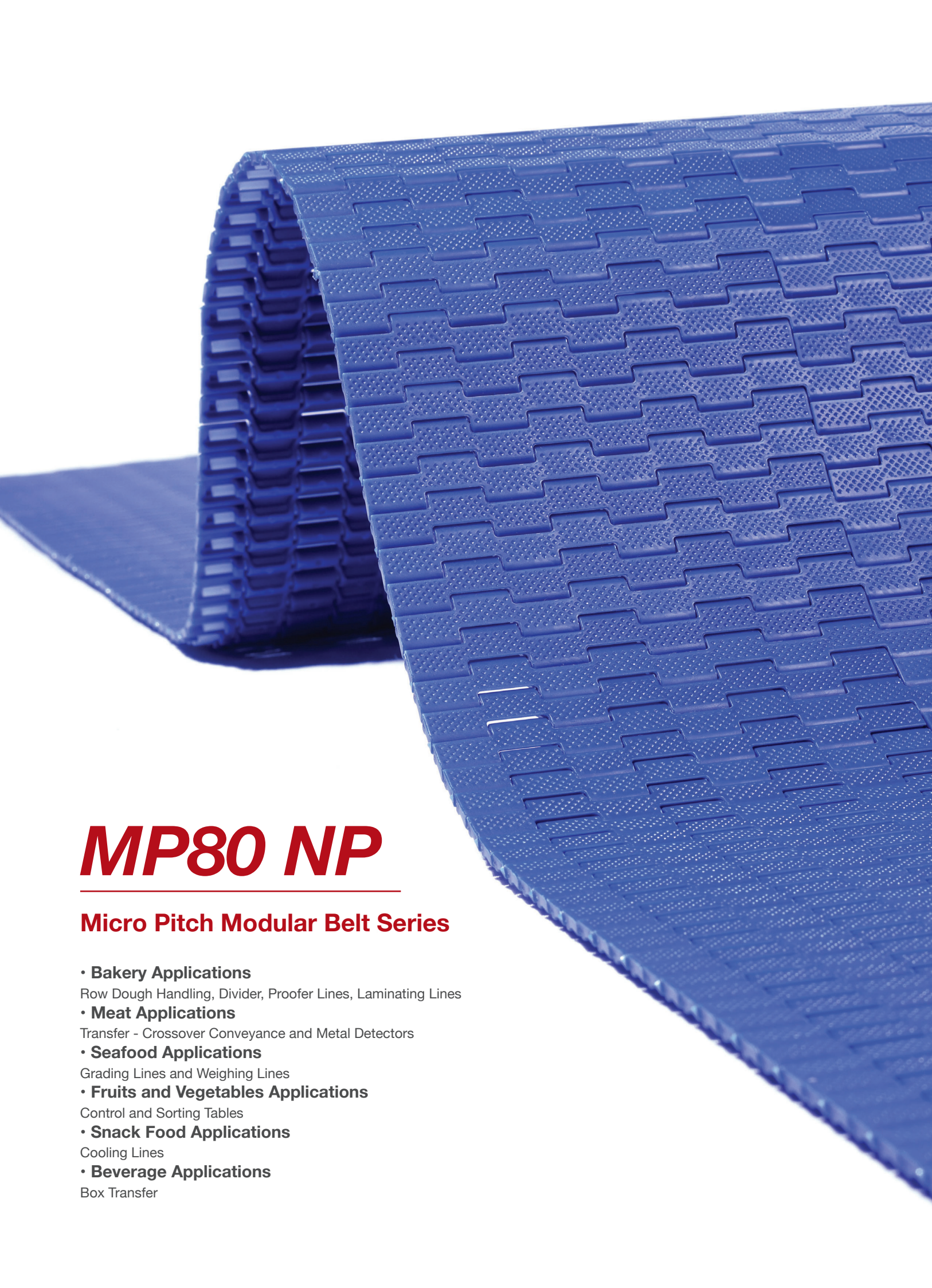




MP80 NP

Micro Pitch Modular Belt Series

- **Bakery Applications**

Row Dough Handling, Divider, Proofer Lines, Laminating Lines

- **Meat Applications**

Transfer - Crossover Conveyance and Metal Detectors

- **Seafood Applications**

Grading Lines and Weighing Lines

- **Fruits and Vegetables Applications**

Control and Sorting Tables

- **Snack Food Applications**

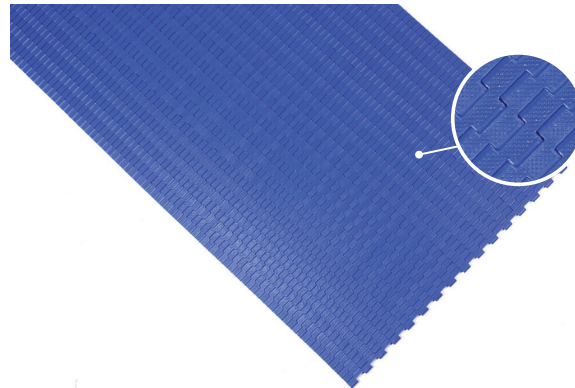
Cooling Lines

- **Beverage Applications**

Box Transfer

MP80 NP

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

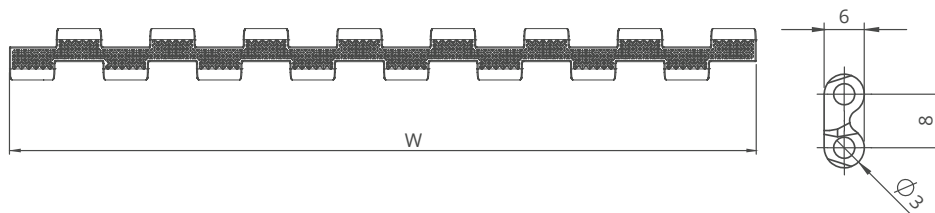


MP80 NP Technical Information

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

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

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



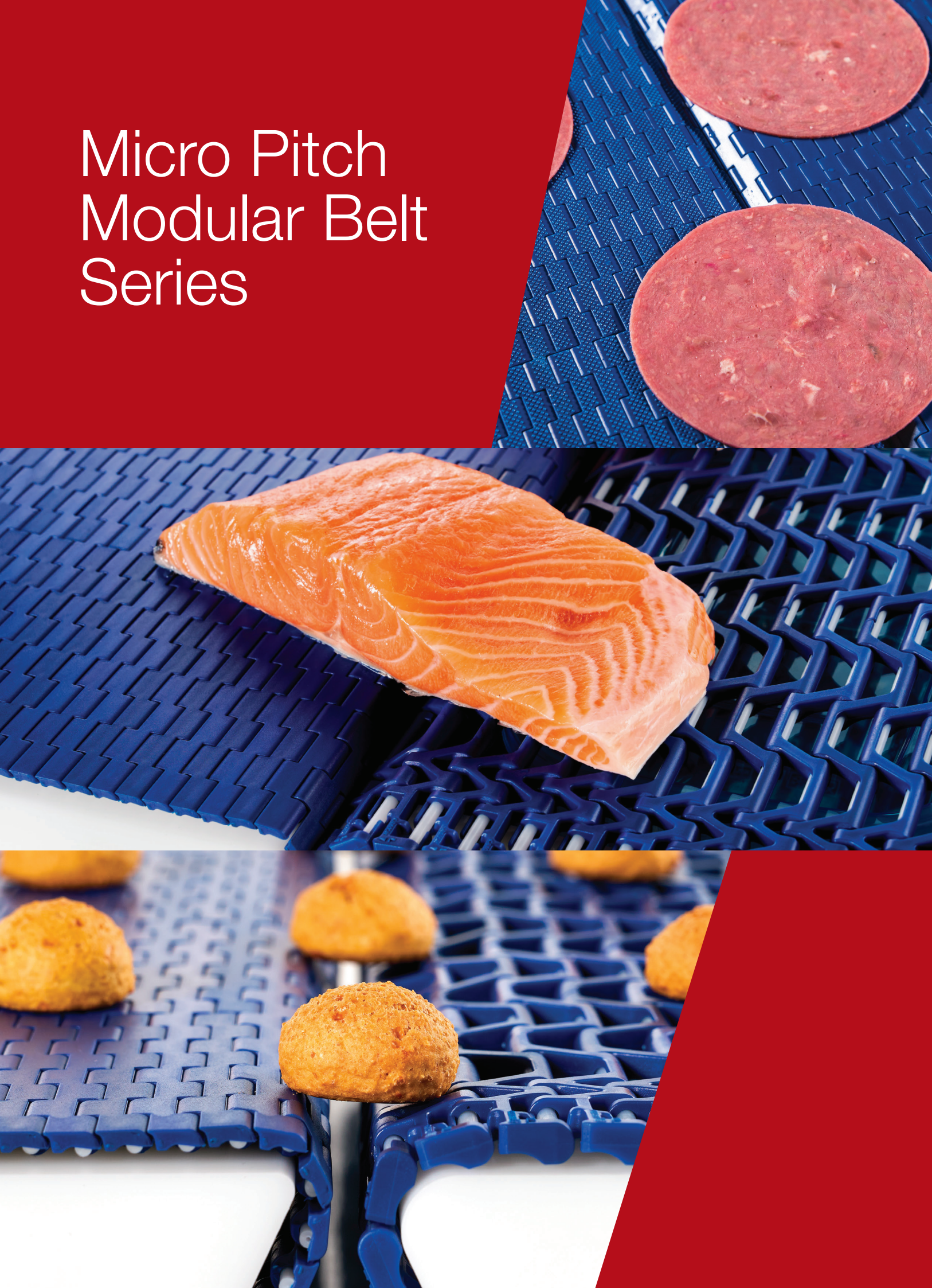
Product Features and Functional Benefits

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

Important Notes

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

Micro Pitch Modular Belt Series



MP80 (Micro Pitch Series)

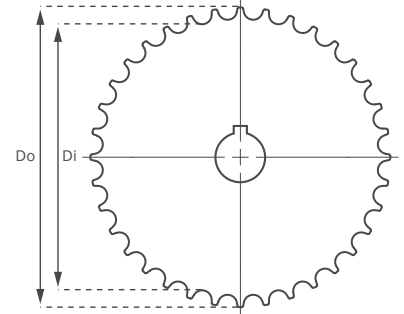
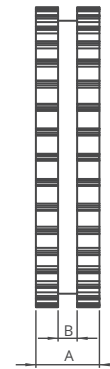
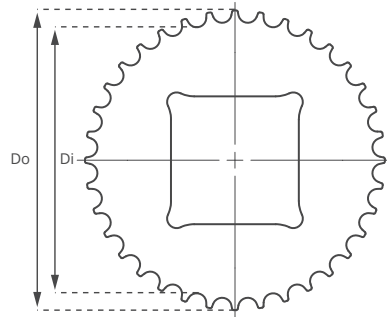
Technical Specifications



MODUTECH[®]
Movement Technologies



Z36



MP80 Micro Pitch Series / Machined Sprocket Dimensions

NO. TEETH	Di mm/inch	Do mm/inch	B mm/inch	A mm/inch	Square Bore (Q)		Round Bore (R)		PRODUCT CODE	
					mm	inch	mm	inch	Square Type (Q)	Round Type (R)
Z18	40,9 / 1.61	48,0 / 1.89	6,0 / 0.23	20 / 0.78	20	-	20-25	1	MP80SQZ18	MP80SRZ18
Z24	56,4 / 2.22	63,7 / 2.51	6,0 / 0.23	20 / 0.78	25-30	1-1.25	25-30	1-1.25	MP80SQZ24	MP80SRZ24
Z36	87,5 / 3.44	94,9 / 3.74	6,0 / 0.23	20 / 0.78	40	1.5	25-30	1-1.25	MP80SQZ36	MP80SRZ36

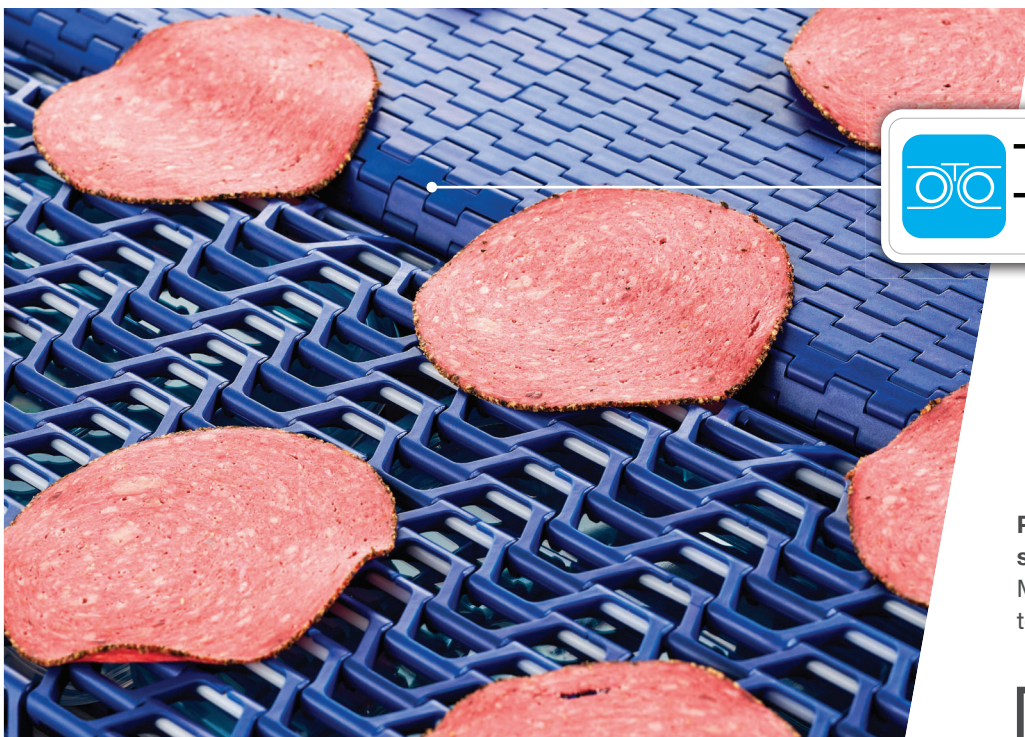
*All required sprockets produced by CNC.

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

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

*Machined Split Sprockets are available for each size.

*Drum motor sprockets are available upon request.



**Tight
Transfer**

**Precise transfer even the
smallest products!**

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

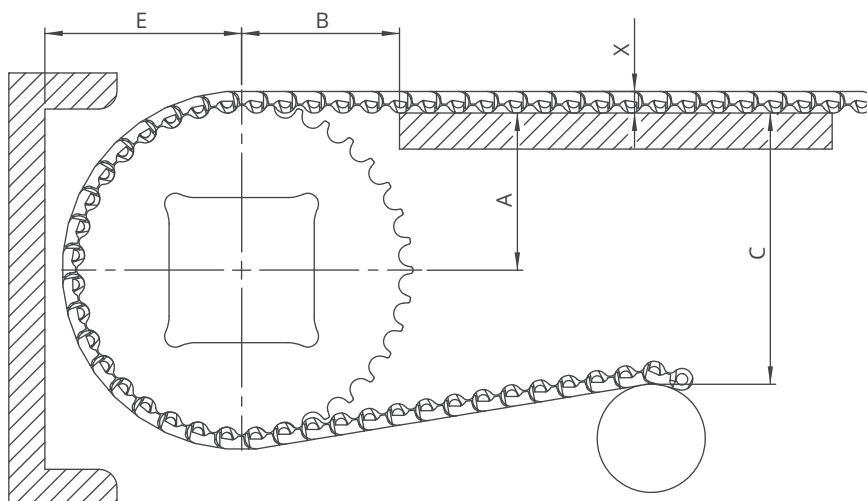


MP80 Series

Engineering Information

A - $\pm 0,031"$ (1mm)
 B - $\pm 0,125"$ (3mm)

C - $\pm$ (Max.)
 E - $\pm$ (Min.)

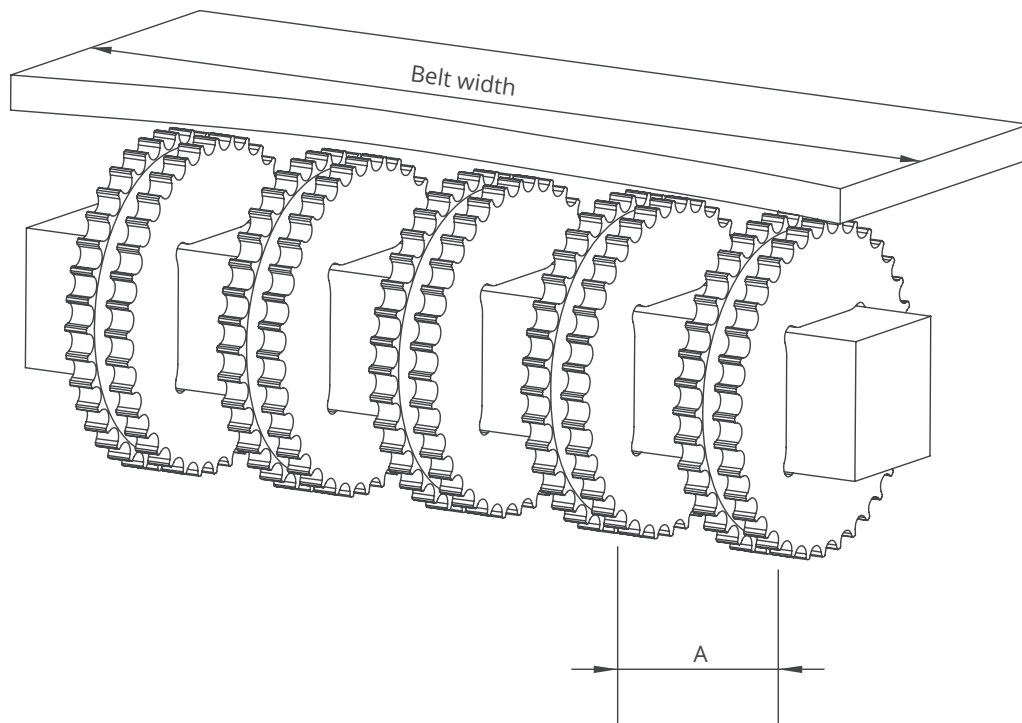


MP80 Series / Conveyor Frame Dimensions

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

MP80 Series

Engineering Information



MP80 Series / Sprocket & Wearstrip Arrangements

Standard Belt Width		Number of sprockets per shaft	Number of wearstrips		A (mm/inch)	
mm	inch	Minimum	Carryway	Returnway	Min.	Max.
101,6	4	1-2	2	2	51 / 2	203 / 8
203,2	8	2-3	3	3	51 / 2	203 / 8
304,8	12	3	4	3	51 / 2	203 / 8
406,4	16	4	5	4	51 / 2	203 / 8
508,0	20	5	5	5	51 / 2	203 / 8
609,6	24	6	6	5	51 / 2	203 / 8
711,2	28	7	7	6	51 / 2	203 / 8
812,8	32	8	8	7	51 / 2	203 / 8
914,4	36	9	9	7	51 / 2	203 / 8
1016,0	40	10	10	8	51 / 2	203 / 8
1117,6	44	11	10	8	51 / 2	203 / 8
1219,2	48	12	11	9	51 / 2	203 / 8
1320,8	52	13	12	10	51 / 2	203 / 8
1422,4	56	14	12	10	51 / 2	203 / 8
1524,0	60	15	13	11	51 / 2	203 / 8
1625,6	64	16	15	12	51 / 2	203 / 8
1727,2	68	17	15	12	51 / 2	203 / 8
1828,8	72	18	16	13	51 / 2	203 / 8
1930,4	76	19	17	14	51 / 2	203 / 8
2032,0	80	20	17	14	51 / 2	203 / 8
2133,6	84	21	18	15	51 / 2	203 / 8

Note:

*The number of sprockets and wearstrips may vary depending on the conveyor load.