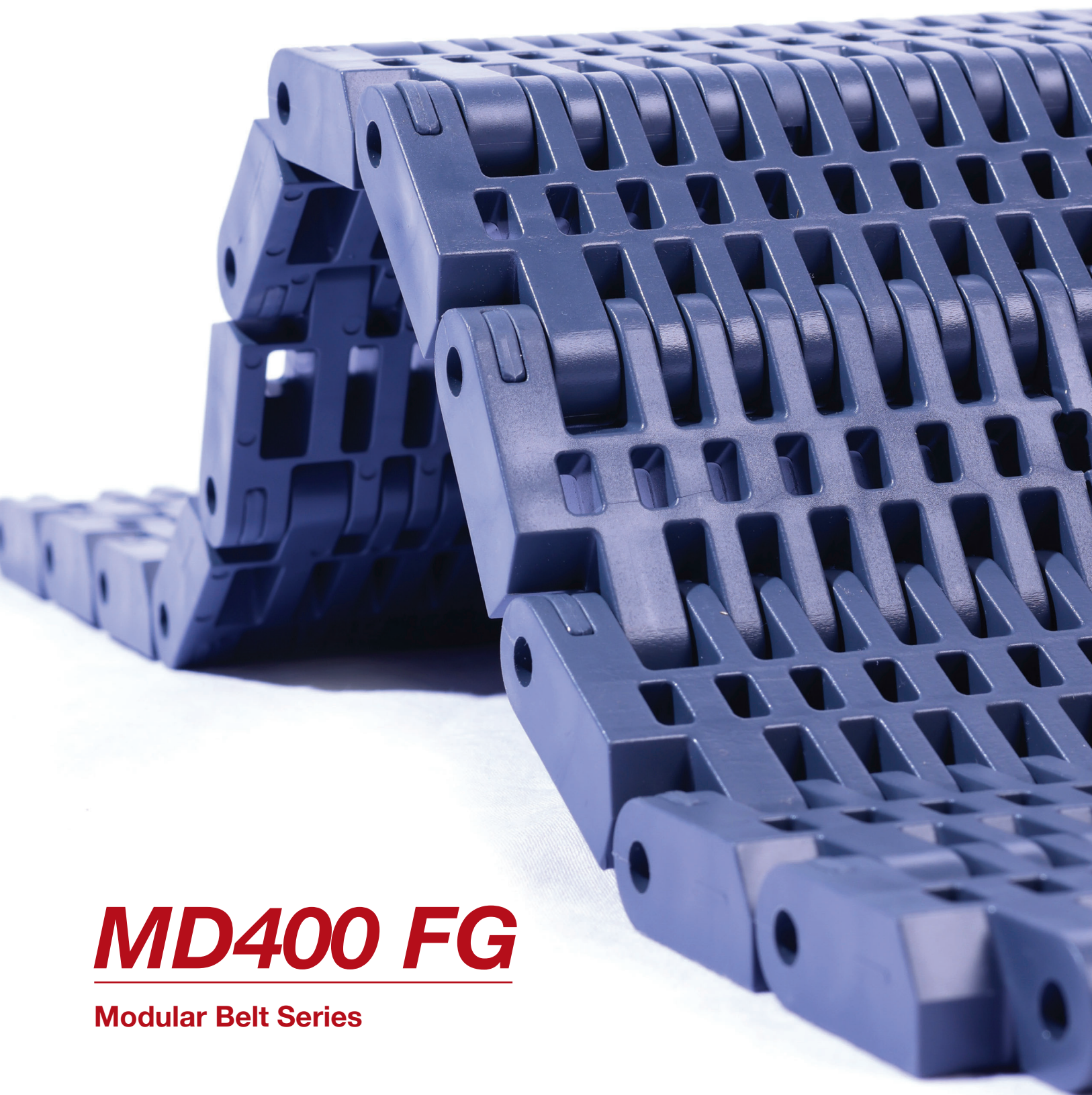




MD400 FG

Modular Belt Series

MD400 FG

Pitch:	40 mm / 1.57 inch
Belt Surface:	Open, Smooth Surface
Minimum Width:	60 mm / 2.36 inch
Open Area (%):	14% (Biggest opening 4,4 x 8mm)
Flight:	No
Sidewall:	No
Pin:	Ø6mm / 0.236 inch with Special Lock
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Good
Belt Thickness:	16 mm / 0.63 inch

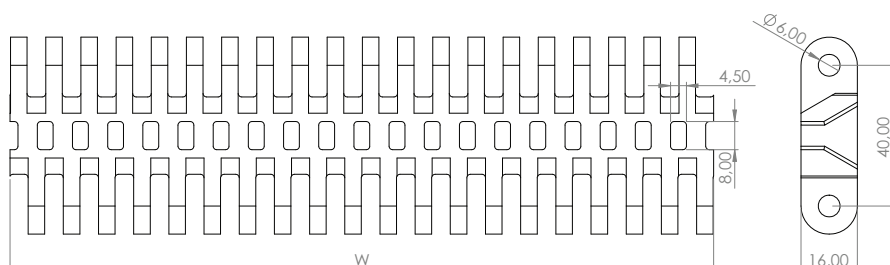


MD400 FG Technical Information

Belt Material		POM	POM	POM	PP	PP	PE	PE
Pin Material		POM	PA	PP	PP	POM	POM	PE
Belt Strength	N/m lb/ft	70000 / 4796	70000 / 4796	47500 / 3255	36000 / 2467	36000 / 2467	26500 / 1815	26500 / 1815
Temperature	°C °F	-40 / +93 -40 / +200	+5 / +93 +40 / +200	+5 / +93 +40 / +200	+5 / +105 +40 / +220	+5 / +93 +40 / +200	-40 / +65 +40 / +150	-70 / +65 -50 / +150
Belt Weight	kg/m² lb/sqft²	16,76 / 3.43	16,58 / 3.39	16,42 / 3.36	11,59 / 2.37	11,96 / 2.45	11,76 / 2.41	11,46 / 2.35

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
90	3.5	100	4	150	6	150	6	-	-

Belt Width mm	60,0	100,0	150,0	200,0	250,0	300,0	350,0	400,0	450,0	500,0	550,0	600,0	1050,0	1350,0	1650,0	1900,0	2250,0	2500,0	2850,0
Belt Width inch	2.36	3.94	5.9	7.87	9.84	11.8	13.78	15.75	17.72	19.7	21.6	23.6	41.3	53.1	64.9	74.8	88.5	98.4	112.2
Belt Width mm	3150,0	3450,0	3750,0	4000,0															
Belt Width inch	124.0	135.8	147.6	157.5															



Product Features and Functional Benefits

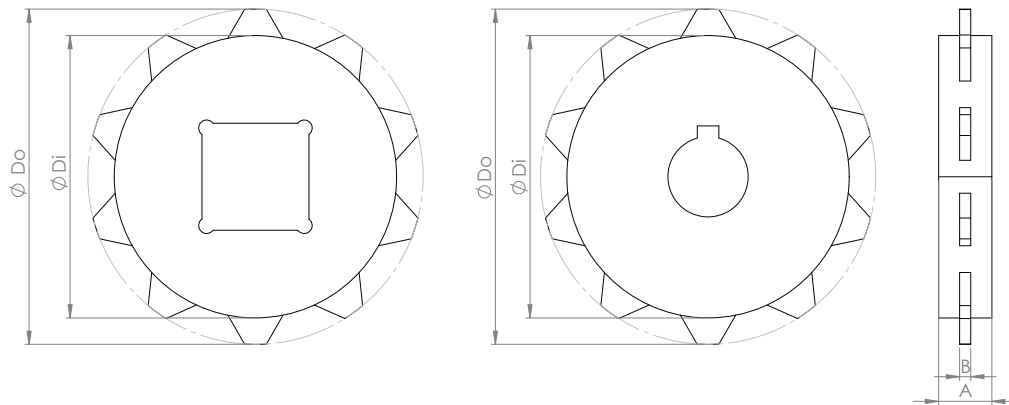
- Strong hinge design provides higher product load capacity and longer conveyors.
- Flush grid surface to optimize performance in cooling and draining applications.
- Unique sprocket engagement
- Food approved materials

Important Notes

- Standard belt increments 50 mm.
- Non-Standard belt increments 10 mm.
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 0.1% to 0.3% smaller.

MD400 Series

Sprockets and Technical Specifications



MD400 Series / Machined Sprocket Dimensions

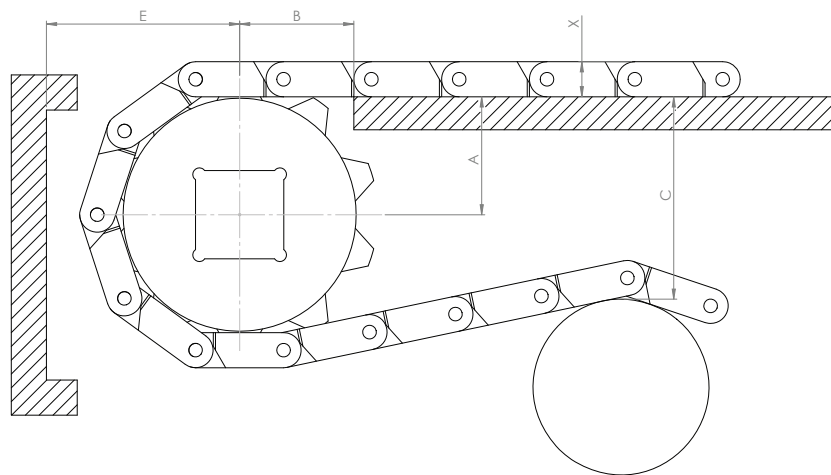
NO. TEETH	Di mm/inch	Do mm/inch	A mm/inch	B mm/inch	Square Bore (Q)		Round Bore (R)		PRODUCT CODE	
					mm	inch	mm	inch	Square Type (Q)	Round Type (R)
Z8	79,5	100,5	20	4,2	40	1.5	25	1	MD400SQZ8*POM	MD400SRZ8*POM
Z10	106	126	20	4,2	40 to 60	1.5	25 to 30	1 to 1.25	MD400SQZ10*POM	MD400SRZ10*POM
Z13	145,3	165,3	20	4,2	40 to 60	1.5	25 to 30	1 to 1.25	MD400SQZ13*POM	MD400SRZ13*POM
Z20	235,5	255,5	20	4,2	40 to 90	1.5 to 2.5	30 to 60	1.5 to 2.5	MD400SQZ20*POM	MD400SRZ20*POM

*All required sprockets machined by CNC.

*Other sprockets and hub sizes are manufactured on request.

*PA (Polyamide) sprockets are available on request.

*Machined Split Sprockets are available on request.

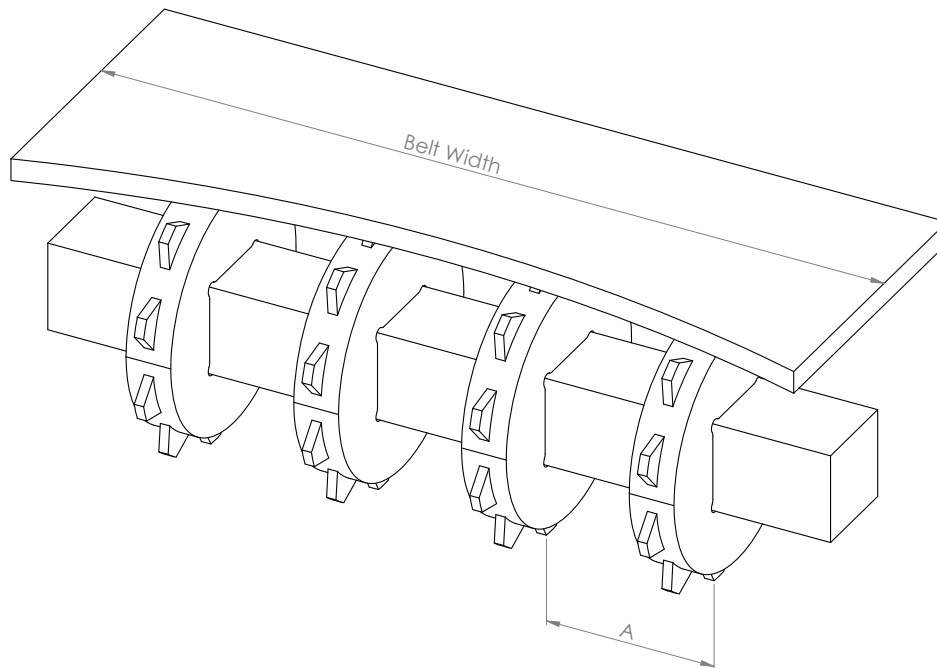


MD400 Series / Conveyor Frame Dimensions

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								
MD400												
-	104,4	8	-	43,0	-	42,0	-	105,0	-	77,6	-	16
-	129,3	10	-	56,0	-	52,0	-	130,0	-	90,0	-	16
-	167	13	-	75,0	-	67,0	-	205,0	-	108,8	-	16
-	255,6	20	-	120,0	-	87,0	-	255,0	-	153,1	-	16

MD400 Series

Engineering Information



MD400 Series / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft	Number of wearstrips		A (mm/inch)	
mm	inch		Carryway	Returnway	Min.	Max.
60	2.36	1	2	2	-	-
100	3.94	1	2	2	-	-
150	5.91	3	2	2	50 / 1.97	150 / 5.90
200	7.87	3	2	2	50 / 1.97	150 / 5.90
250	9.84	3	2	2	50 / 1.97	150 / 5.90
300	11.81	3	2	2	50 / 1.97	150 / 5.90
350	13.78	3	2	2	50 / 1.97	150 / 5.90
400	15.75	3	2	2	50 / 1.97	150 / 5.90
450	17.72	5	3	2	50 / 1.97	150 / 5.90
500	19.69	5	3	2	50 / 1.97	150 / 5.90
550	21.65	5	3	2	50 / 1.97	150 / 5.90
600	23.62	5	3	2	50 / 1.97	150 / 5.90
650	25.59	5	3	2	50 / 1.97	150 / 5.90
750	29.53	7	5	3	50 / 1.97	150 / 5.90
1050	41.34	9	6	4	50 / 1.97	150 / 5.90
1350	53.15	11	7	5	50 / 1.97	150 / 5.90
1650	64.96	13	9	6	50 / 1.97	150 / 5.90
1950	76.77	15	10	7	50 / 1.97	150 / 5.90
2250	88.58	17	11	8	50 / 1.97	150 / 5.90
2550	100.39	19	12	9	50 / 1.97	150 / 5.90
2850	112.20	21	14	10	50 / 1.97	150 / 5.90
3150	124.02	23	15	11	50 / 1.97	150 / 5.90
3450	135.83	25	16	12	50 / 1.97	150 / 5.90
3750	147.64	27	18	13	50 / 1.97	150 / 5.90

Note:

Number of sprockets depends on the belt load.