



MD508 PR25%

Heavy Duty Food Belts

Modular Belt Series

- **Meat (Beef & Pork) Applications**

Trim Lines, Crates Handling

- **Poultry Applications**

Elevators

- **Sea Food Applications**

Draining, Elevators

- **Bakery & Snack Food Applications**

Cooling Lines

- **Fruits and Vegetables Applications**

Prewashing / Rinsing Lines, Draining, Peeling, Sterilization Conveyance

MD508 PR25% (Heavy Duty Food Belts)



Pitch:	50,8 mm / 2 inch
Belt Surface:	Open, Smooth Surface
Minimum Width:	150 mm / 5.90 inch
Open Area (%):	25%. (Biggest opening 3 x 19,5 mm)
Flight:	Yes
Sidewall:	No
Pin:	Ø 7 mm / 0.275 inch - Self Lock
Approved:	FDA and EU
Color:	Blue / White
Cleanability:	Good
Belt Thickness:	16 mm / 0.629 inch

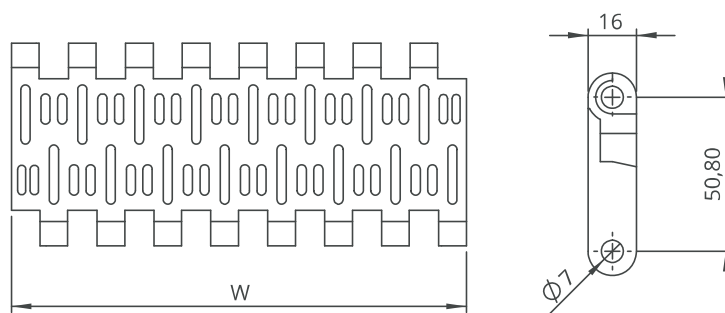


MD508 PR25% Technical Information

Belt Material		POM	POM	POM	PP	PP	PE
Pin Material		PA	POM	PP	PP	POM	POM
Belt Strength	N/m lb/ft	35000 - 2397	35000 - 2397	35000 - 2397	30000- 2055	30000- 2055	20000 - 1370
Temperature	°C °F	-40 / +93 -40 / +200	-40 / +93 -40 / +200	+5 / +93 +40 / +200	+5 / +105 +40 / +220	+5 / +93 +40 / +200	-40 / +65 -40 / +150
Belt Weight	kg/m² lb/sqft²	10.2 / 2.09	10.2 / 2.09	8.4 / 1.72	8.4 / 1.72	8.4 / 1.72	8.8 / 1.80

Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter for gravity take up center drive rollers (min.)		Backbending radius for elevators without side guards or hold down devices (min.)		Backbending radius for elevators with side guards or hold down devices (min.)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
90	3.5	100	4	150	6	150	6	250	10

Belt Width mm	150,0	225,0	300,0	375,0	450,0	525,0	600,0	675,0	750,0	825,0	900,0	975,0	1050,0	1125,0	1200,0	1275,0	1350,0
Belt Width inch	5.91	8.86	11.81	14.76	17.72	20.67	23.62	26.57	29.53	32.48	35.43	38.39	41.34	44.29	47.24	50.20	53.15
Belt Width mm	1425,0	1500,0	1575,0	1650,0	1725,0												
Belt Width inch	56.10	59.06	62.01	64.96	67.91												



Product Features and Functional Benefits

- Open, Flush grid surface.
- High horizontal and vertical strength.
- High load capacity for wide and long conveyors.
- Bi-directional belt design.
- Suitability for many different applications.

Important Notes

- Standard belt increments 75 mm.
- Non-standard belt increments 18,75 mm.
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- For PP material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.

MD508 Series

Sprockets and Technical Specifications



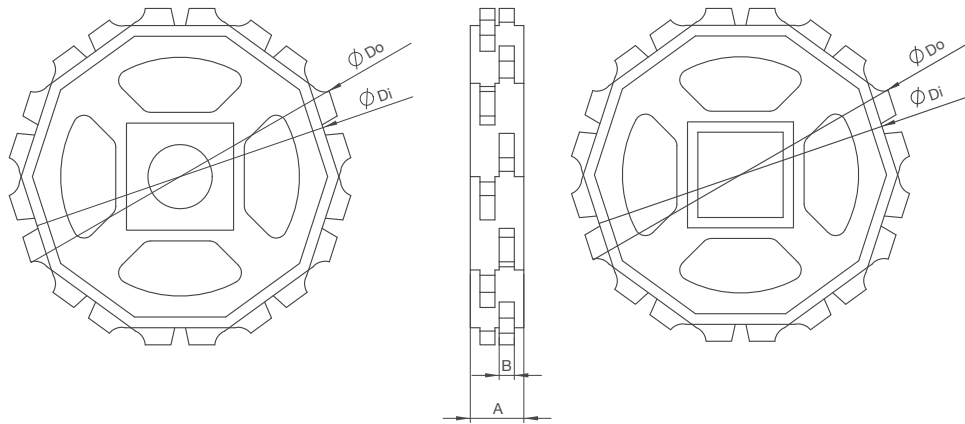
Z8



Z10



Z12



MD508 Series / Molded 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	107,4 / 4.23	127,4 / 5.01	40,00 / 1.57	7,00 / 0.27	40	1.5	25 to 30	1 to 1.25	MD-TR508SQZ8*POM	MD-TR508SRZ8*POM
Z10	141,3 / 5.56	160,4 / 6.31	40,00 / 1.57	7,00 / 0.27	40	1.5	25 to 30	1 to 1.25	MD-TR508SQZ10*POM	MD-TR508SRZ10*POM
Z12	174,7 / 6.87	193,27 / 7.61	40,00 / 1.57	7,00 / 0.27	40	1.5	25 to 30	1 to 1.25	MD-TR508SQZ12*POM	MD-TR508SRZ12*POM
Z16	240,9 / 9.48	258,7 / 10.18	40,00 / 1.57	7,00 / 0.27	60 & 90	-	-	-	MD-TR508SQZ16*POM	MD-TR508SRZ16*POM

*Other sprockets and hub sizes are manufactured on request..

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

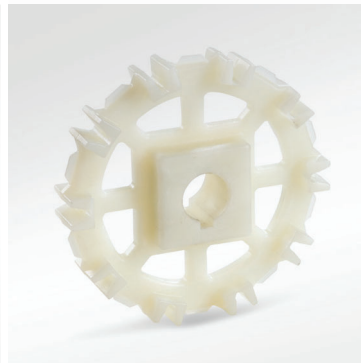
*Machined Split Sprockets are available on request.



Clamp



Machined Split Sprocket



Moulded Sprocket



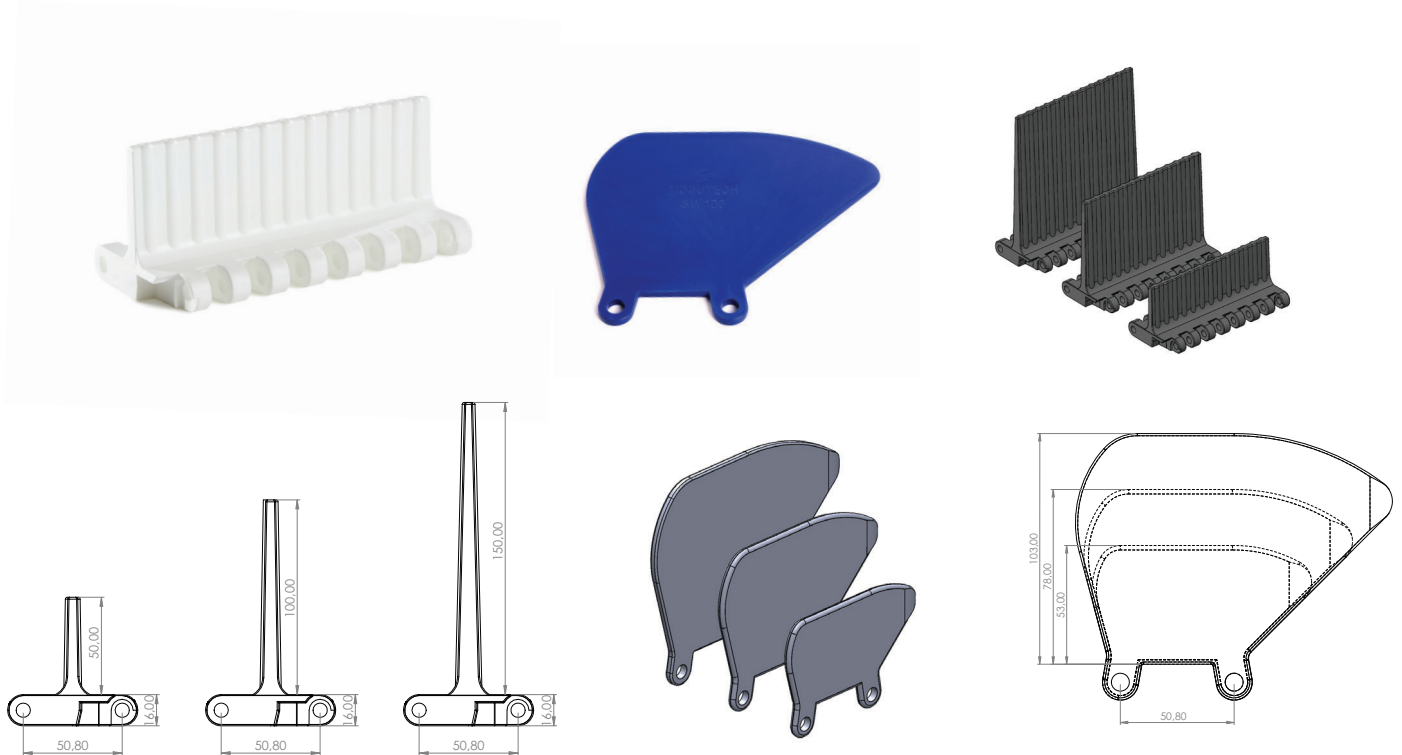
Machined Sprocket

MD508 Series

Accessories and Technical Specifications

MD508 Series / Flight & Sidewall Dimensions

MD508 Series / Flights & Universal Sidewalls				
PRODUCT CODE	Flight Height (mm/ <i>inch</i>)	Flight Width (mm/ <i>inch</i>)	PRODUCT CODE	Sidewall Height (mm/ <i>inch</i>)
MD508T50	50 / 1.97	150 / 5.9	U508SW50	53 / 2.09
MD508T100	75 / 2.95	150 / 5.9	U508SW75	78 / 3.07
MD508T150	100 / 3.94	150 / 5.9	U508SW100	103 / 4.05



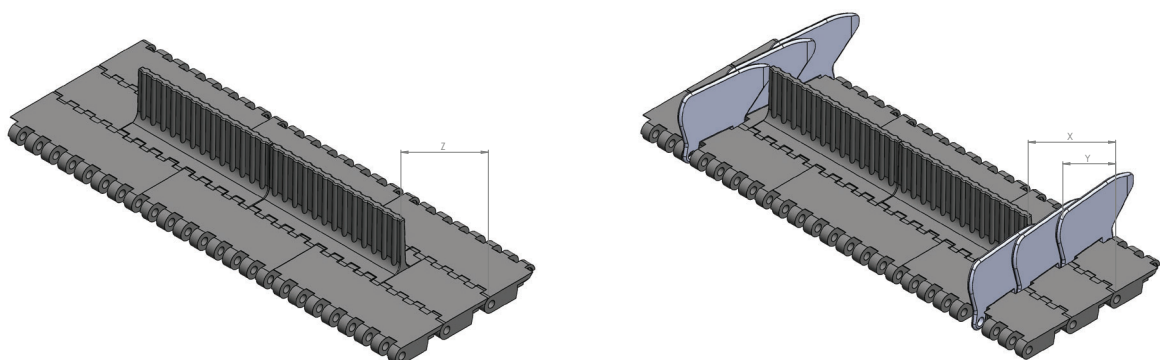
MD508 Series / Standard Installation of Flights and Sidewalls

Possible Sidewall and Flights Indents	Z		X (Max.)		Y (Min.)	
	mm	inch	mm	inch	mm	inch
Standard, module cutting	37,50	1.48	34,15	1.34	17,15	0.68
Standard, module cutting	56,25	2.21	52,90	2.08	35,90	1.41
Standard, module cutting	75,00	2.95	71,65	2.82	54,65	2.15
Standard, module cutting	112,50	4.43	109,15	4.30	92,15	3.63
Standard, module cutting	131,25	5.17	127,9	5.04	110,9	4.37

*X and Y dimensions may change depending on the sidewall height:

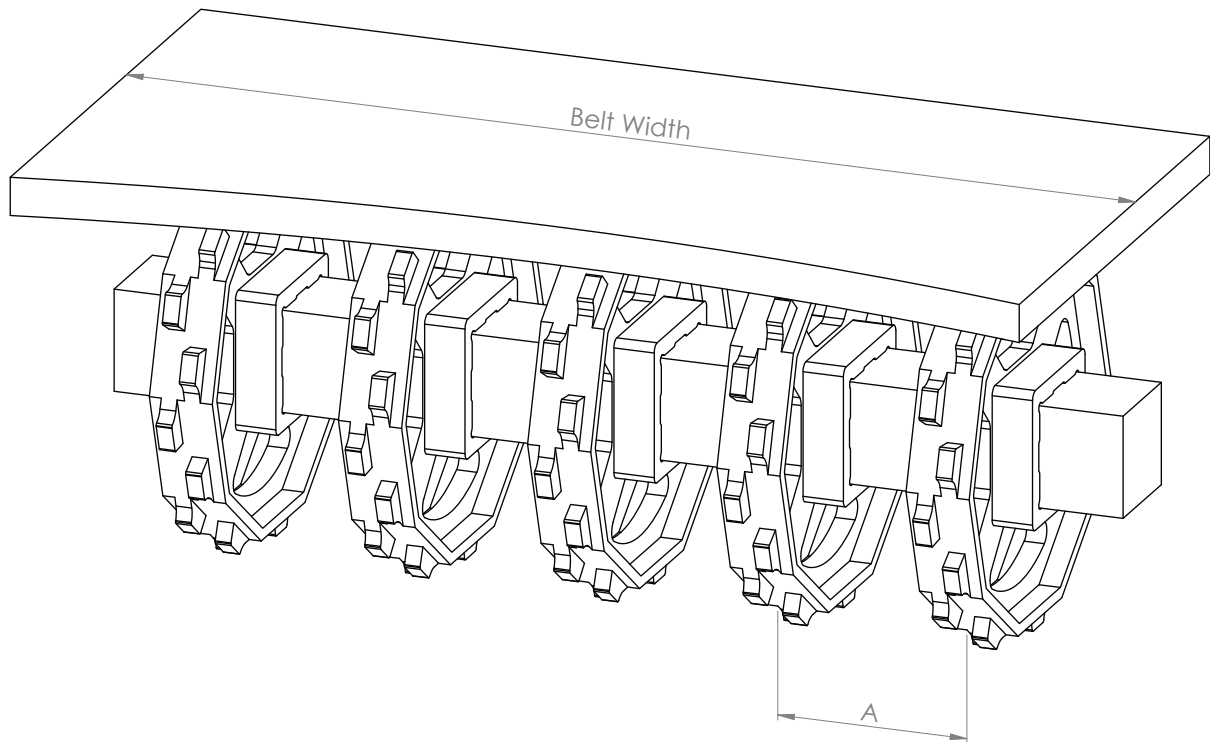
X (Max.) tolerance is -2 mm

Y (Min.) tolerance is +2 mm.



MD508 Series

Engineering Information



MD508 Series / Sprocket & Wearstrip Arrangements

Standard Belt Width		Number of sprockets per shaft	Number of wearstrips		A (mm/inch)	
mm	inch		Carryway	Returnway	Min.	Max.
150	5.9	2	2	2	75 / 2.9	150 / 5.9
225	8.9	2	2	2	75 / 2.9	150 / 5.9
300	11.8	2	3	2	75 / 2.9	150 / 5.9
375	14.8	3	3	3	75 / 2.9	150 / 5.9
450	17.7	3	3	3	75 / 2.9	150 / 5.9
525	20.7	3	4	3	75 / 2.9	150 / 5.9
600	23.6	3	4	3	75 / 2.9	150 / 5.9
675	26.6	5	5	3	75 / 2.9	150 / 5.9
750	29.5	5	5	4	75 / 2.9	150 / 5.9
825	32.5	5	6	4	75 / 2.9	150 / 5.9
900	35.4	5	6	4	75 / 2.9	150 / 5.9
975	38.4	7	7	5	75 / 2.9	150 / 5.9
1050	41.3	7	7	5	75 / 2.9	150 / 5.9
1125	44.3	7	7	5	75 / 2.9	150 / 5.9
1200	47.2	7	8	5	75 / 2.9	150 / 5.9
1500	59.0	9	8	6	75 / 2.9	150 / 5.9
1800	70.9	11	9	6	75 / 2.9	150 / 5.9
2100	82.7	13	10	7	75 / 2.9	150 / 5.9
2400	94.5	15	11	9	75 / 2.9	150 / 5.9
2700	106.3	17	12	9	75 / 2.9	150 / 5.9
3000	118.1	19	13	10	75 / 2.9	150 / 5.9

Note:

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

*For wider belts, central distance of sprockets recommended to be maximum 150mm (5.9").

*For wider belts, central distance of carryway & returnway wearstrips may change 250mm (9.8") to 300mm (11.8").