



MD254 C

Modular Belt Series

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

Fat - Trim Lines, General Conveyence, Packing Lines, Elevator

- **Poultry Applications**

Debonning, Trim Lines, Offal - Feather Lines, Grading Lines, Freezing Lines, Elevator

- **Seafood Applications**

Inspection Tables, Grading Lines, Trim Lines

- **Bakery Applications**

Raw Dough Handling, Cooling Lines, Packing Lines

- **Snack Food Applications**

Corn Processing

- **Fruits and Vegetables Applications**

Bulk Feeding, Elevator, Control - Sorting Table

- **Automotive Applications**

Car Part Manufacturing

- **Tire Manufacturing Applications**

Mixer Infeed - Outfeed, Calendaring Infeed, Extrusion Outfeed

- **Packaging Applications**

Labelling, Case Packers, Tray Packers, Palletizing - Depalletizing

- **Corrugated Cardbord Applications**

Down Stracker, Corrugator Take Off, Strap Feed

- **Printing and Paper Applications**

Printing Machine Outfeed, Wrapping Machine Outfeed

- **Beverages and Bottling Applications**

Can Palletizing and Depalletizing, Glass Palletizing and Depalletizing,

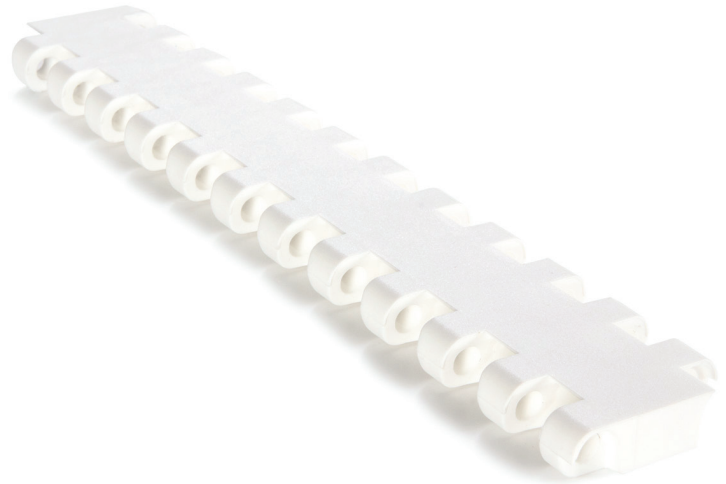
Pet Palletizing and Depalletizing

- **Material Handling Applications**

Incline Applications, Palletizers, Packaging Lines

MD254 C

Pitch:	25,4 mm / 1 inch
Belt Surface:	Close, Smooth Surface
Minimum Width:	50 mm / 1.97 inch
Open Area (%):	0%.
Flight:	Yes
Sidewall:	Yes
Pin:	Ø 5 mm / 0.197 inch - Self Lock
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Good
Belt Thickness:	10 mm / 0.394 inch

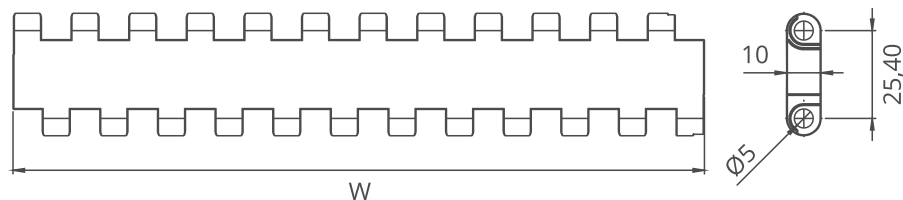


MD254 C Technical Information

Belt Material		POM	POM	POM	PP	PP	PE
Pin Material		PA	POM	PP	PP	POM	POM
Belt Strength	N/m lb/ft	32000 - 2192	32000 - 2192	21500 - 1473	18000 - 1233	18000 - 1233	10000 - 685
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	8.4 / 1.71	8.4 / 1.71	8.4 / 1.71	5.5 / 1.13	5.5 / 1.13	5.8 / 1.19

Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter for gravity take up center drive rollers (min.)		Backbending radius for elevators without side guards or hold down devices (min.)		Backbending radius for elevators with side guards or hold down devices (min.)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
50	2	50	2	100	4	150	6	250	10

Belt Width mm	50,0	100,0	150,0	200,0	250,0	300,0	350,0	400,0	450,0	500,0	550,0	600,0	650,0	700,0	750,0	800,0	850,0
Belt Width inch	1.97	3.94	5.91	7.87	9.84	11.81	13.78	15.75	17.72	19.69	21.65	23.62	25.59	27.56	29.53	31.50	33.46
Belt Width mm	900,0	950,0	1000,0	1050,0													
Belt Width inch	35.43	37.40	39.37	41.34													



Product Features and Functional Benefits

- Closed, Flat top surface.
- High horizontal and vertical strength.
- Suitability for many different applications.
- Unique sprocket engagement - higher product load and longer conveyors.
- Close transfer applications.
- Bi-directional belt for long conveyors.

Important Notes

- Standard belt increments 50 mm.
- Non-standard belt increments 16,6 mm.
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- For PE material up to 750 mm (30") -3 mm to 1 mm and -0.4% to 0.1% for wider belts.
- For PP material up to 750 mm (30") -1 mm to 2 mm and 0% to 0.45% for wider belts.
- For POM material up to 750 mm (30") -2 mm to 1 mm and -0.25% to 0.25% for wider belts.

MD254 Series

Sprockets and Technical Specifications



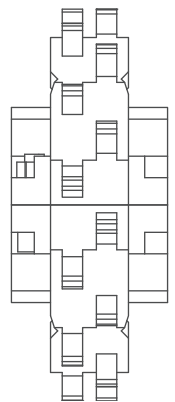
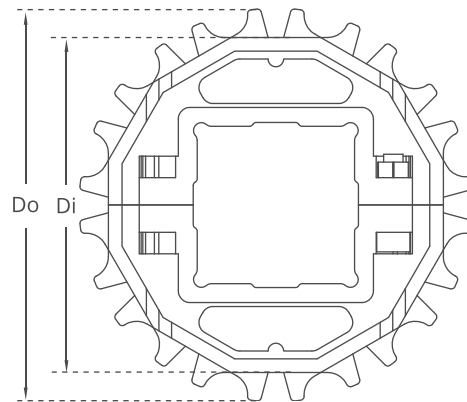
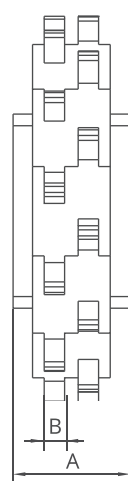
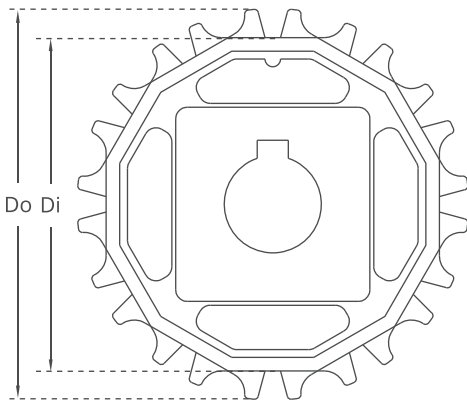
Z15



Z8



Z12-EHT



Split molded sprockets are available for the products with "Red" font color.

MD254 C Series / Moulded Sprockets Dimensions

NO.TEETH	Di mm/inch	Do mm/inch	B mm/inch	A mm/inch	Square Bore (Q) mm/inch				PRODUCT CODE	
									Square Type (Q)	Round Type (R)
Z8*	52,0 / 2.05	67,0 / 2.64	5,3 / 0.21	30,0 / 1.18	25	1	25	1	MD-TR254SQZ8*POM	MD-TR254SRZ8*POM
Z10*	69,0 / 2.72	84,0 / 3.31	5,3 / 0.21	30,0 / 1.18	40	1.5	25-30	1-1.25	MD-TR254SQZ10*POM	MD-TR254SRZ10*POM
Z12*	85,8 / 3.38	100,8 / 3.97	5,3 / 0.21	30,0 / 1.18	40	1.5	25-30-35	1-1.25	MD-TR254SQZ12*POM	MD-TR254SRZ12*POM
Z15*	110,8 / 4.36	125,8 / 4.95	5,3 / 0.21	30,0 / 1.18	40	1.5	25-30	1-1.25	MD-TR254SQZ15*POM	MD-TR254SRZ15*POM
Z16	119,1 / 4.69	134,1 / 5.28	5,3 / 0.21	30,0 / 1.18	40	1.5	25-30	1-1.25	MD-TR254SQZ16*POM	MD-TR254SRZ16*POM
Z18*	135,6 / 5.34	150,6 / 5.93	5,3 / 0.21	30,0 / 1.18	40	1.5	25-30-35	1-1.25	MD-TR254SQZ18*POM	MD-TR254SRZ18*POM
Z20	152,0 / 5.98	167,1 / 6.58	5,3 / 0.21	30,0 / 1.18	40	1.5	25-30	1-1.25	MD-TR254SQZ20*POM	MD-TR254SRZ20*POM

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

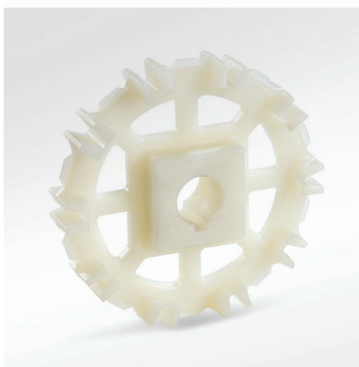
*Machined Split Sprockets are available for each size.



Clamp



Machined Split Sprocket



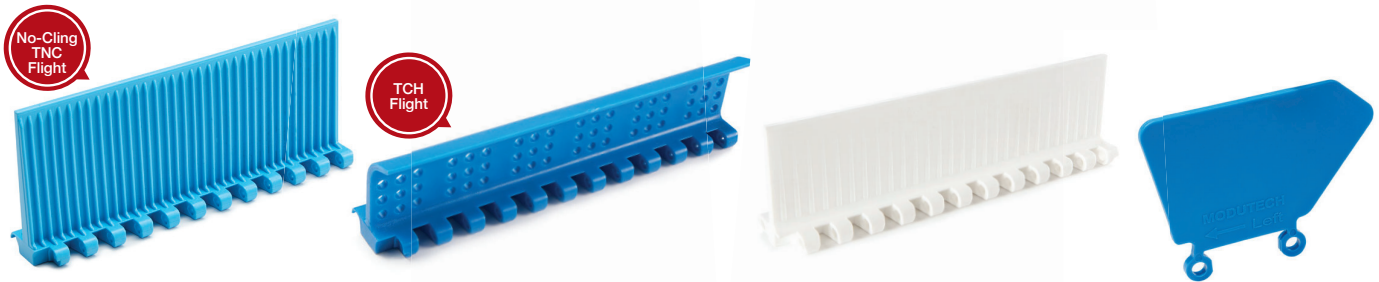
Moulded Sprocket



Machined Sprocket

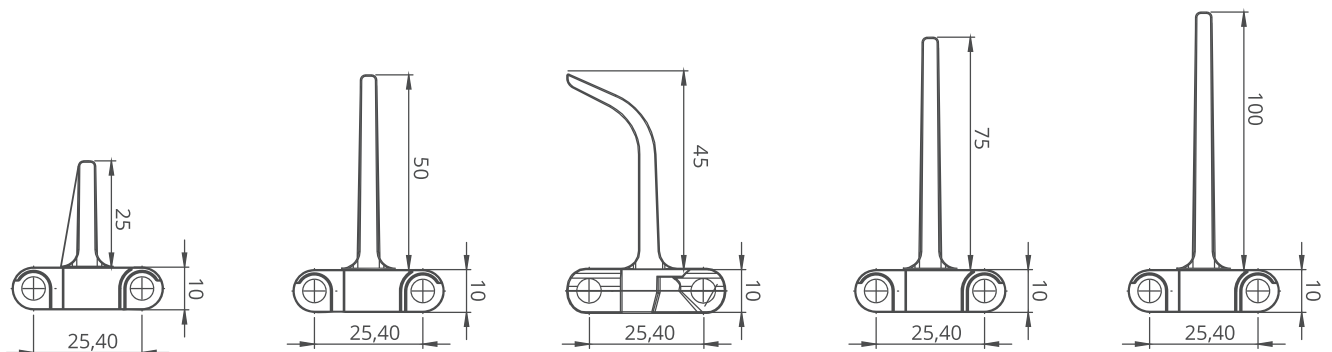
MD254 Series

Accessories and Technical Specifications

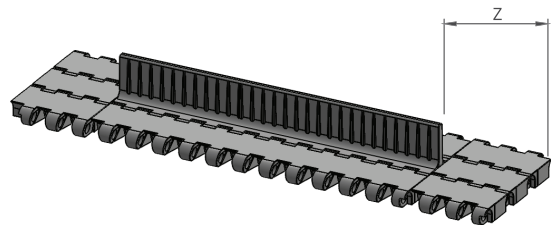
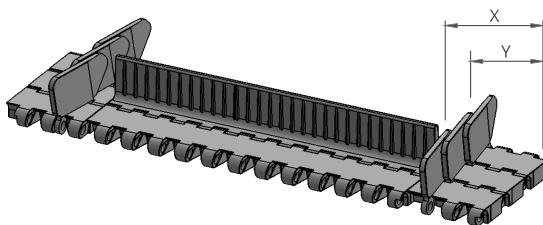


MD254 Series / Flight & Sidewall Dimensions

MD254 Series / Flights & Sidewalls				
PRODUCT CODE	Flight Height (mm/ <i>inch</i>)	Flight Width (mm/ <i>inch</i>)	PRODUCT CODE	Sidewall Height (mm/ <i>inch</i>)
MD254T25	25 / 1	200 / 7.87	MD254SW25	25 / 1
MD254T50	45 / 1.75	200 / 7.87	MD254SW50	50 / 2
MD254T75	75 / 3	200 / 7.87	MD254SW75	75 / 3
MD254T100	100 / 4	200 / 7.87	MD254SW100	100 / 4
MD254TC50	50 / 2	200 / 7.87	-	-
MD254TCH50	50 / 2	200 / 7.87	-	-
MD254TNC75	75 / 3	200 / 7.87	-	-
MD254TNC100	100 / 4	200 / 7.87	-	-



* Additional flight dimensions are available up to 100 mm.



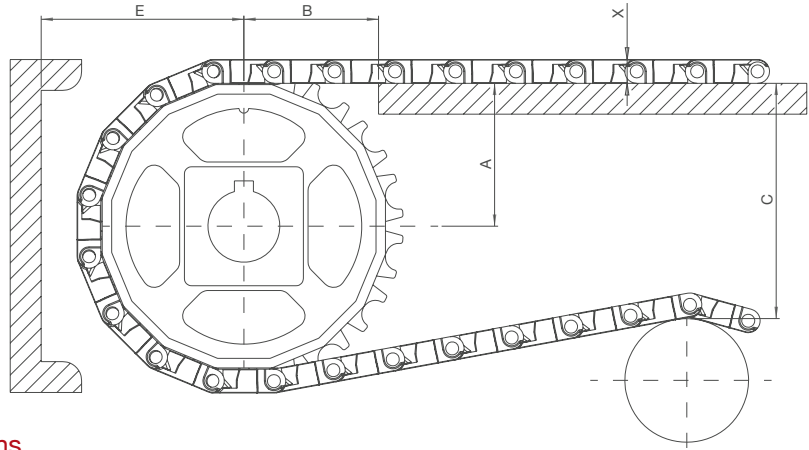
MD254 Series / Flight & Sidewall Technical Specifications

Possible Sidewall and Flights Indents	X		Y		Z	
	mm	<i>inch</i>	mm	<i>inch</i>	mm	<i>inch</i>
Standard, module cutting	25,7	1.01	15,2	0.60	33,3	1.31
Non-Standard, module cutting	34,0	1.34	23,6	0.93	41,7	1.64
Standard, module cutting	42,3	1.67	31,9	1.26	50,0	1.97
Non-Standard, module cutting	50,7	1.99	40,2	1.58	58,3	2.30
Standard, no module cutting	59,0	2.32	48,6	1.91	66,7	2.62

MD254 Series

Engineering Information

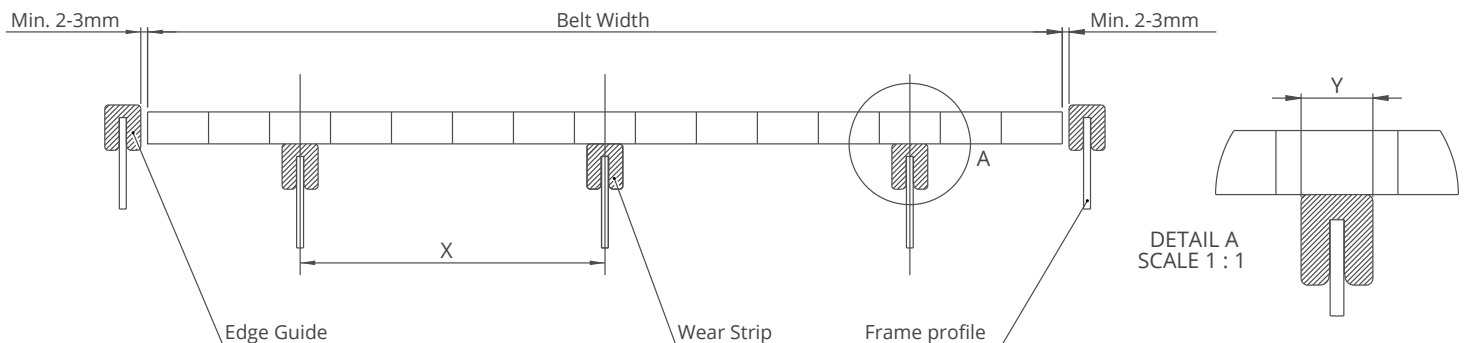
A - $\pm 0,031"$ (1mm) C - $\pm$ (Max.)
 B - $\pm 0,125"$ (3mm) E - $\pm$ (Min.)



MD254 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								
MD254 FG, MD254 C, MD254 GAP48%												
2.38	60,5	8	1.15	29,2	1.55	39,4	1.95	49,5	1.94	49,2	0.39	10,0
3.07	78,0	10	1.46	37,1	1.77	45,0	2.60	66,1	2.25	57,1	0.39	10,0
3.74	95,0	12	1.76	44,8	1.97	50,1	3.24	82,3	2.55	64,8	0.39	10,0
4.70	119,5	15	2.22	56,4	2.23	56,7	4.18	106,1	3.01	76,4	0.39	10,0
5.02	127,5	16	2.37	60,2	2.38	60,5	4.46	113,2	3.21	81,5	0.39	10,0
5.71	145,0	18	2.73	69,3	2.45	62,3	5.19	131,8	3.51	89,3	0.39	10,0
6.46	164,0	20	3.03	77,0	2.64	67,0	5.82	148,0	3.86	98,0	0.39	10,0
MD254 RR, MD254 GT												
2.38	60,5	8	1.15	29,2	1.55	39,4	1.95	49,5	2.18	55,4	0.64	16,3
3.07	78,0	10	1.46	37,1	1.77	45,0	2.60	66,1	2.48	63,1	0.64	16,3
3.74	95,0	12	1.76	44,8	1.97	50,1	3.24	82,3	2.79	70,9	0.64	16,3
4.70	119,5	15	2.22	56,4	2.23	56,7	4.18	106,1	3.25	82,7	0.64	16,3
5.02	127,5	16	2.37	60,2	2.38	60,5	4.46	113,2	3.46	87,8	0.64	16,3
5.71	145,0	18	2.73	69,3	2.45	62,3	5.19	131,8	3.76	95,5	0.64	16,3
6.46	164,0	20	3.03	77,0	2.64	67,0	5.82	148,0	4.10	104,5	0.64	16,3
MD254 FG-RT, MD254 C-RT												
2.38	60,5	8	0.99	25,2	1.55	39,4	1.79	45,5	2.09	53,2	0.71	18,0
3.07	78,0	10	1.30	33,1	1.77	45,0	2.44	62,1	2.41	61,1	0.71	18,0
3.74	95,0	12	1.61	40,8	1.97	50,1	3.08	78,3	2.71	68,8	0.71	18,0
4.70	119,5	15	2.06	52,4	2.23	56,7	4.02	102,1	3.17	80,4	0.71	18,0
5.02	127,5	16	2.21	56,2	2.38	60,5	4.30	109,2	3.37	85,5	0.71	18,0
5.71	145,0	18	2.57	65,3	2.45	62,3	5.03	127,8	3.67	93,3	0.71	18,0
6.46	164,0	20	2.87	73,0	2.64	67,0	5.66	144,0	4.01	102,0	0.71	18,0

MD254 Series / Slider Support System For Straight Running Belts



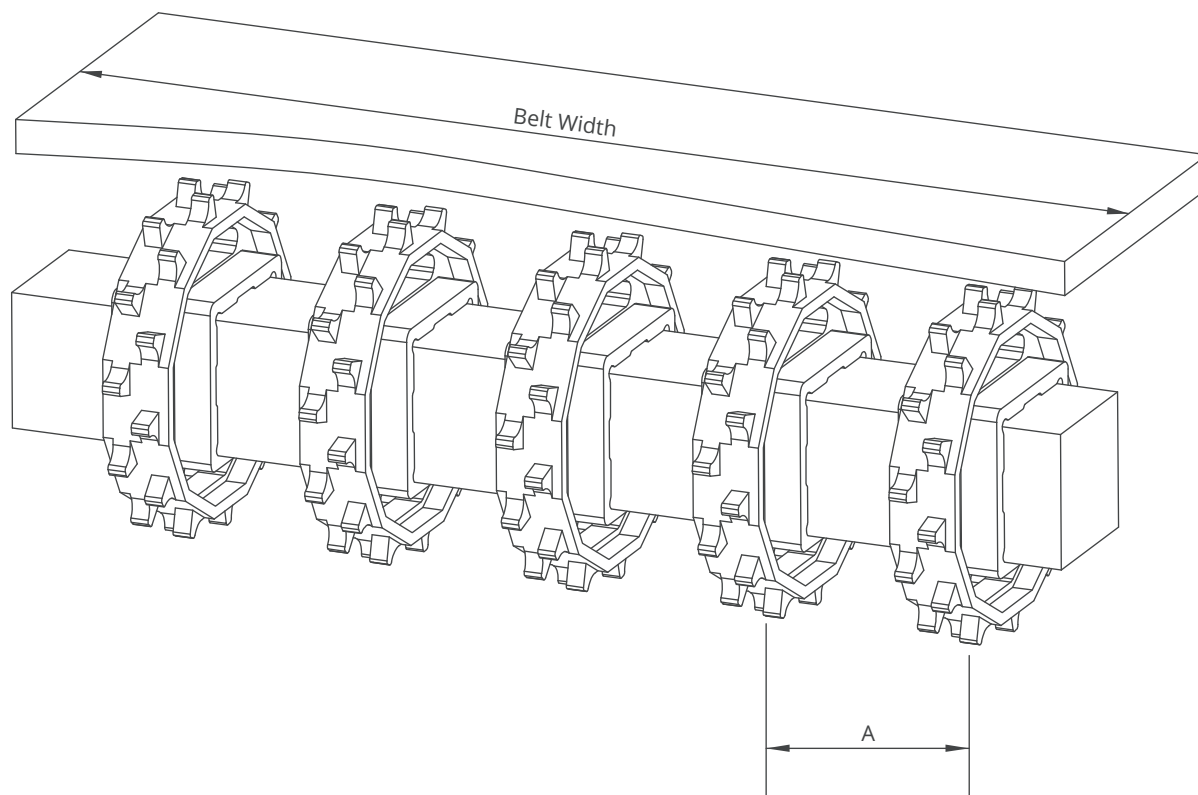
Note: The distances between the carryway wear strips (X) may be changed to due to operation conditions and transported load. In general, we recommend;

100-200mm for 2" belts
100-145mm for 1"belts
100-145mm for 0,5" belts
70-120mm for 0,3" belts

For specific applications, please contact with Modutech representatives.

MD254 Series

Engineering Information



MD254 Series / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/inch)	
mm	inch	Drive Shaft	Return Shaft	Min.	Max.
150,0	6.0	2	2	50/2	120/4.7
200,0	8.0	2	2	50/2	120/4.7
250,0	10.0	3	2	50/2	120/4.7
300,0	12.0	3	2	50/2	120/4.7
350,0	14.0	3	3	50/2	120/4.7
400,0	16.0	4	3	50/2	120/4.7
450,0	18.0	4	3	50/2	120/4.7
500,0	20.0	5	4	50/2	120/4.7
550,0	22.0	5	4	50/2	120/4.7
600,0	24.0	6	5	50/2	120/4.7
700,0	26.0	7	5	50/2	120/4.7
800,0	28.0	8	6	50/2	120/4.7
900,0	30.0	9	7	50/2	120/4.7
1000,0	32.0	10	7	50/2	120/4.7

Note: Number of sprockets depends on the belt load.