



HD254 C

Modular Belt Series

- **Corrugated Cardbord Applications**

Palletizer, Down Stackers, Corrugator Take Off, Strap Feed

- **Wood Industry**

Board Handling, Pallets Conveying, Trimming & Cutting

- **Automotive Applications**

Car Body Assembly, Car Part Manufacturing, Assembly Lines,

- **Tire Manufacturing Applications**

Scaling & Marking, Tire Transport, Sciver Cementing

- **Packaging Applications**

Box Transport

- **Beverages and Bottling Applications**

Can Palletizing and Depalletizing, Glass Palletizing and Depalletizing,

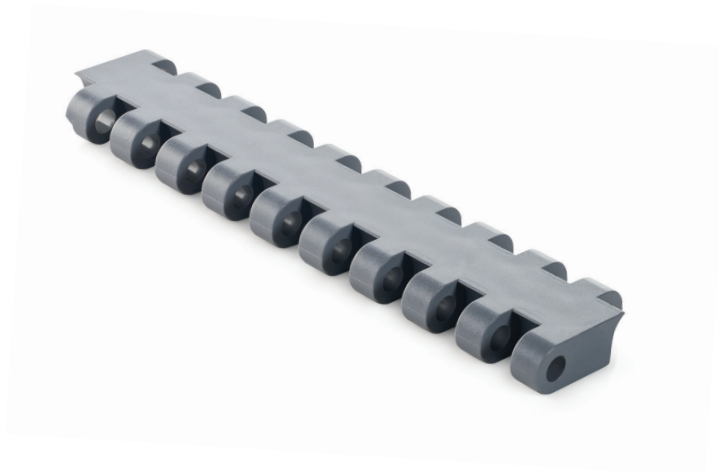
Pet Palletizing and Depalletizing



MODUTECH[®]
Movement Technologies

HD254 C

Pitch:	25,4 mm / 1 inch
Belt Surface:	Close, Smooth Surface
Minimum Width:	170 mm / 6.69 inch
Open Area (%):	0%.
Flight:	No
Sidewall:	No
Pin:	Ø 6 mm / 0.22 inch - Self Lock
Approved:	FDA and EU
Color:	Blue / Gray
Cleanability:	Excellent
Belt Thickness:	12,7 mm / 0.5 inch

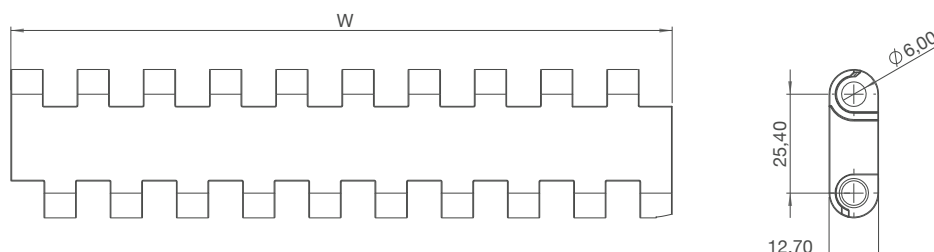


HD254 C Technical Information

Belt Material		POM
Pin Material		PA
Belt Strength	N/m lb/ft	33000 - 2261
Temperature	°C °F	-40 / +93 -40 / +200
Belt Weight	kg/m ² lb/sqft ²	13.8 / 2.83

Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter of gravity take-up and center drive support rollers (minimum)		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	-	-

Belt Width mm	85	170	255	340	425	510	595	680	765	850	935	1020	1105	1190	1275	1360	1445	1530
Belt Width inch	3,346	6,693	10	13,4	16,7	20,1	23,43	26,77	30,12	33,46	36,81	40,16	43,5	46,85	50,2	53,54	56,89	60,24



Product Features and Functional Benefits

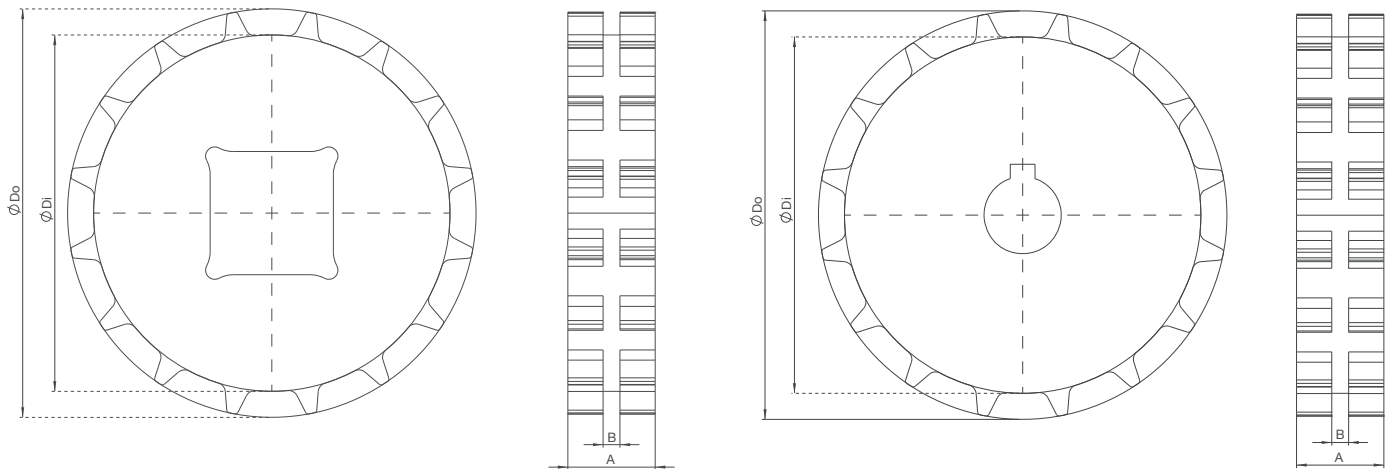
- Reinforced bottom surface - higher product load and longer conveyors.
- Strong and thick product supports allow more load without breaking.
- Unique sprocket engagement reduces pulsation and increases load capacity.
- Impact resistance to withstand heavy objects falling into the belt.

Important Notes

- Standard belt increments 85 mm.
- Non-standard belt increments 17 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.
- Up to 750 mm (30") -3 mm to 0 mm -0.4% to 0% for wider belts.

HD254 C Series

Sprockets and Technical Specifications



HD254 C Series / Machined Sprocket Dimensions

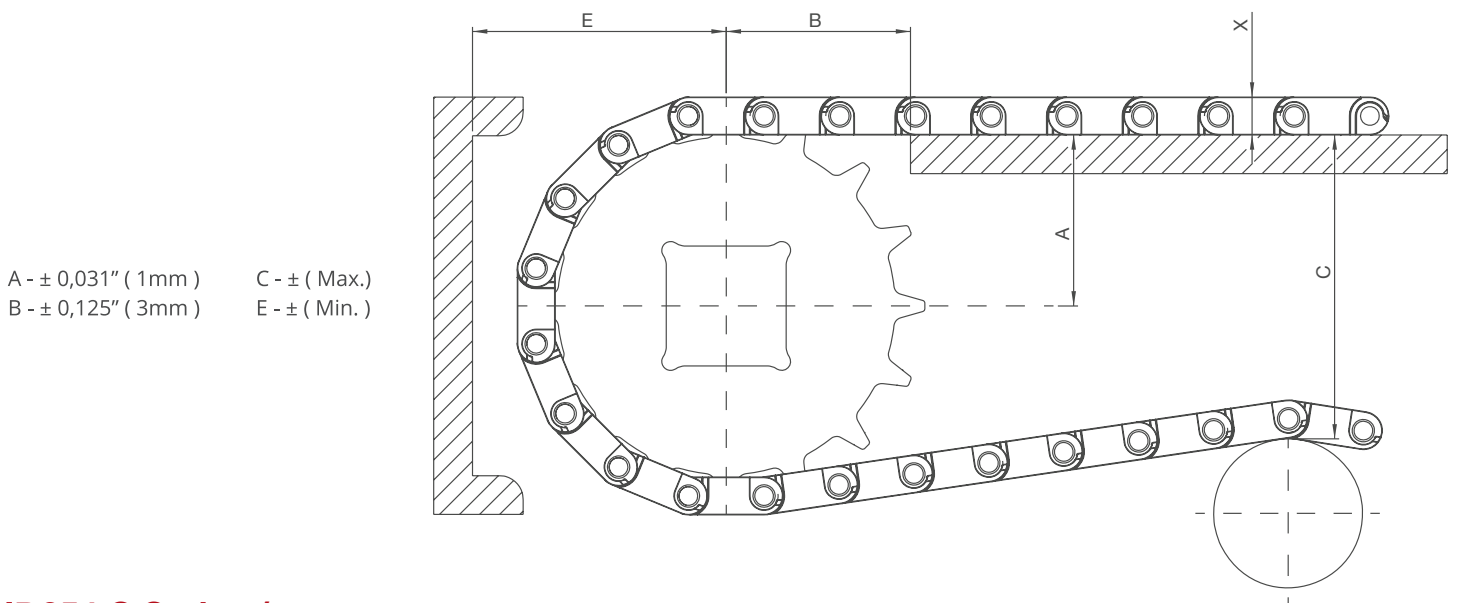
NO. TEETH	Di mm/inch	Do mm/inch	B mm/inch	A mm/inch	Square Bore (Q)		Round Bore (R)		PRODUCT CODE	
					mm	inch	mm	inch	Square Type (Q)	Round Type (R)
Z12	80,6 / 3.17	99,2 / 3.90	5,5 / 0.22	28,5 / 1.12	25	1	25	1	HD254SQZ12*POM	HD254SRZ12*POM
Z16	112,3 / 4.42	131,3 / 5.17	5,5 / 0.22	28,5 / 1.12	40	2	25-30	1-1,25	HD254SQZ16*POM	HD254SRZ16*POM
Z18	129,2 / 5.09	148,3 / 5.83	5,5 / 0.22	28,5 / 1.12	40	2	25-30	1-1,25	HD254SQZ18*POM	HD254SRZ18*POM
Z21	152,9 / 6.02	172,5 / 6.79	5,5 / 0.22	28,5 / 1.12	40-60	1,5-2,5	25-30	1-1,25	HD254SQZ21*POM	HD254SRZ21*POM

*All required sprockets produced by CNC machining.

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

*PA (Nylon) raw material and other options are available on request.

*Machined Split Sprockets are available.

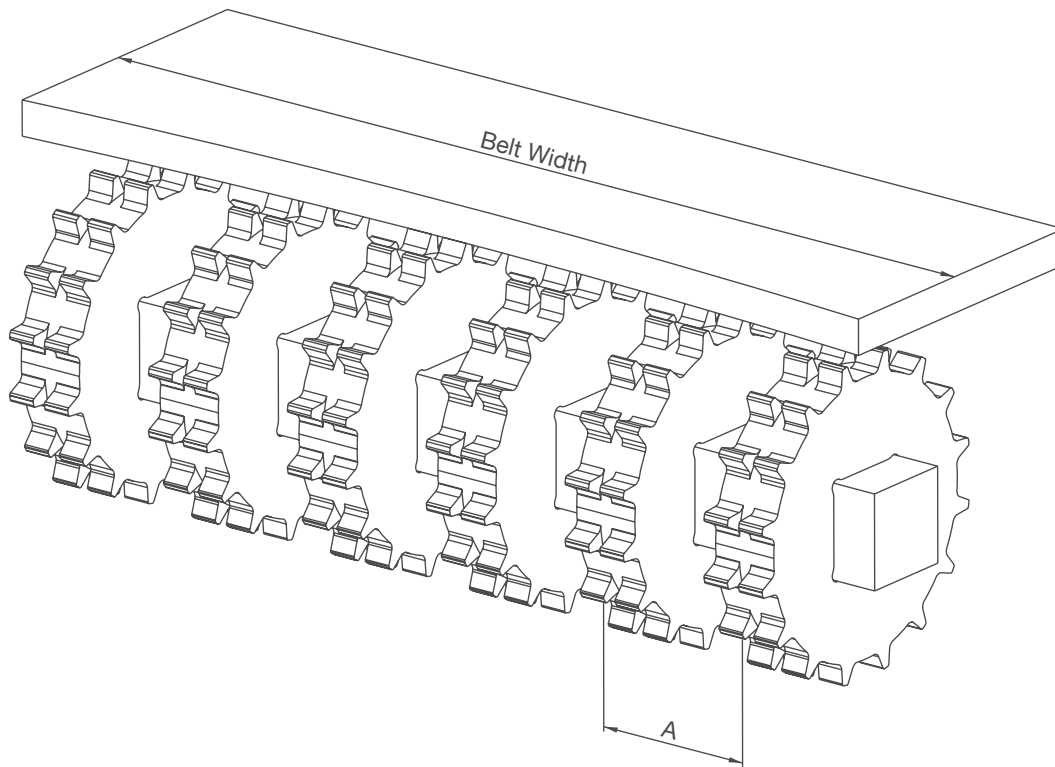


HD254 C Series / Conveyor Frame Dimensions

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								
HD254 C												
3,8	97,3	12	1,65	42	2,01	51	3,07	78	2,72	69	0,50	12,7
5,1	128,9	16	2,26	57,5	2,36	60	4,33	110	3,35	85	0,50	12,7
5,7	144,3	18	2,62	66,5	2,56	65	5,00	127	3,66	93	0,50	12,7
6,7	169,4	21	3,09	78,5	3,19	81	5,91	150	4,13	105	0,50	12,7

HD254 C Series

Engineering Information



HD254 C Series / Sprocket & Wearstrip Arrangements

Standard Belt Width		Number of sprockets per shaft	Number of wearstrips		A (mm/inch)	
mm	inch		Carryway	Returnway	Min.	Max.
85,0	3,3	1-2	2	2	-	-
170,0	6,7	2	2	2	85 / 3.35	-
255,0	10,0	2	2	2	85 / 3.35	170 / 6.7
340,0	13,4	2	2	2	85 / 3.35	170 / 6.7
425,0	16,7	3	3	3	85 / 3.35	170 / 6.7
510,0	20,1	3	3	3	85 / 3.35	170 / 6.7
595,0	23,4	4	4	3	85 / 3.35	170 / 6.7
680,0	26,8	4	4	3	85 / 3.35	170 / 6.7
765,0	30,1	5	5	4	85 / 3.35	170 / 6.7
850,0	33,5	5	5	4	85 / 3.35	170 / 6.7
935,0	36,8	6	6	4	85 / 3.35	170 / 6.7
1020,0	40,2	6	6	4	85 / 3.35	170 / 6.7
1105,0	43,5	7	7	5	85 / 3.35	170 / 6.7
1190,0	46,9	7	7	5	85 / 3.35	170 / 6.7
1275,0	50,2	8	8	5	85 / 3.35	170 / 6.7
1360,0	53,5	8	8	5	85 / 3.35	170 / 6.7
1445,0	56,9	9	9	6	85 / 3.35	170 / 6.7
1530,0	60,2	9	9	6	85 / 3.35	170 / 6.7
1615,0	63,6	10	10	6	85 / 3.35	170 / 6.7
1700,0	66,9	10	10	6	85 / 3.35	170 / 6.7
1785,0	70,3	11	11	7	85 / 3.35	170 / 6.7
1870,0	73,6	11	11	7	85 / 3.35	170 / 6.7
1955,0	77,0	12	12	7	85 / 3.35	170 / 6.7
2040,0	80,3	12	12	7	85 / 3.35	170 / 6.7

Note:

*The required number of sprockets varies depending on belt load and can differ between drive and idle shafts.

*Do not place sprockets in areas without cavities for sprocket teeth.

*For special belt widths and sprockets arrangements, please contact with Modutech technical support team.