

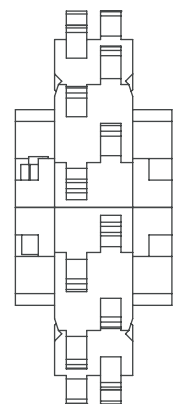
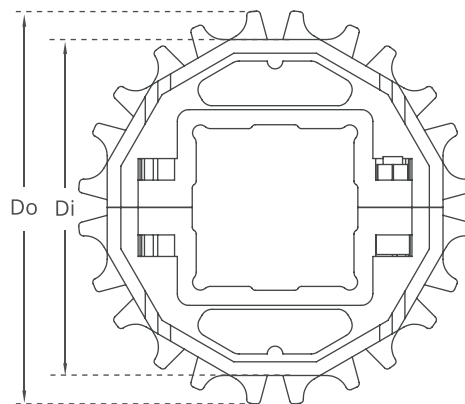
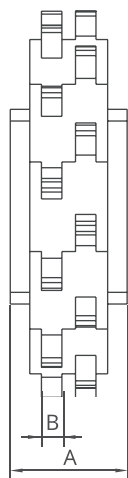
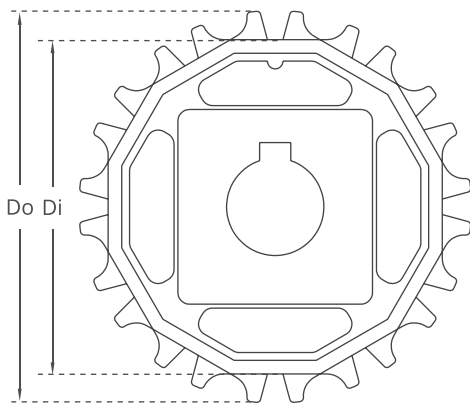
# MD254 Series Sprockets and Technical Specifications



Z15



Z8



Split moulded sprockets are available.

## MD254 Series / Standard Sprockets Dimensions

NO. TEETH	Di mm/inch	Do mm/inch	B mm/inch	A mm/inch	Square Bore (Q) mm/inch	Round Bore (R) mm/inch	PRODUCT CODE	
							Square Type (Q)	Round Type (R)
Z8	52,0 / <b>2.05</b>	67,0 / <b>2.64</b>	6 / <b>0.24</b>	30 / <b>1.18</b>	25 / <b>1</b>	25 / <b>1</b>	MD-TR254SQ25Z8*POM	MD-TR254SRZ8*POM
Z10	69,0 / <b>2.72</b>	84,0 / <b>3.31</b>	6 / <b>0.24</b>	30 / <b>1.18</b>	40 / <b>1.5</b>	25-30 / <b>1-1.25</b>	MD-TR254SQZ10*POM	MD-TR254SRZ10*POM
Z12	85,8 / <b>3.38</b>	100,8 / <b>3.97</b>	6 / <b>0.24</b>	30 / <b>1.18</b>	40 / <b>1.5</b>	25-30 / <b>1-1.25</b>	MD-TR254SQZ12*POM	MD-TR254SRZ12*POM
Z15	110,8 / <b>4.36</b>	125,8 / <b>4.95</b>	6 / <b>0.24</b>	30 / <b>1.18</b>	40 / <b>1.5</b>	25-30 / <b>1-1.25</b>	MD-TR254SQZ15*POM	MD-TR254SRZ15*POM
Z16	119,1 / <b>4.69</b>	134,1 / <b>5.28</b>	6 / <b>0.24</b>	30 / <b>1.18</b>	40 / <b>1.5</b>	25-30 / <b>1-1.25</b>	MD-TR254SQZ16*POM	MD-TR254SRZ16*POM
Z18	135,6 / <b>5.34</b>	150,6 / <b>5.93</b>	6 / <b>0.24</b>	30 / <b>1.18</b>	40 / <b>1.5</b>	25-30 / <b>1-1.25</b>	MD-TR254SQZ18*POM	MD-TR254SRZ18*POM
Z20	150,7 / <b>5.93</b>	167,3 / <b>6.59</b>	6 / <b>0.24</b>	30 / <b>1.18</b>	40 / <b>1.5</b>	25-30 / <b>1-1.25</b>	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.

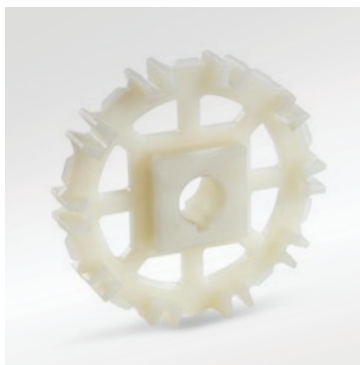
**\*Machined Split Sprockets are available for each size.**



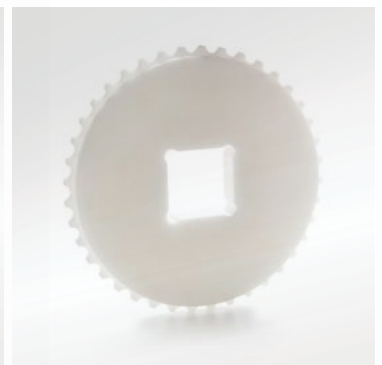
Clamp



Machined Split Sprocket

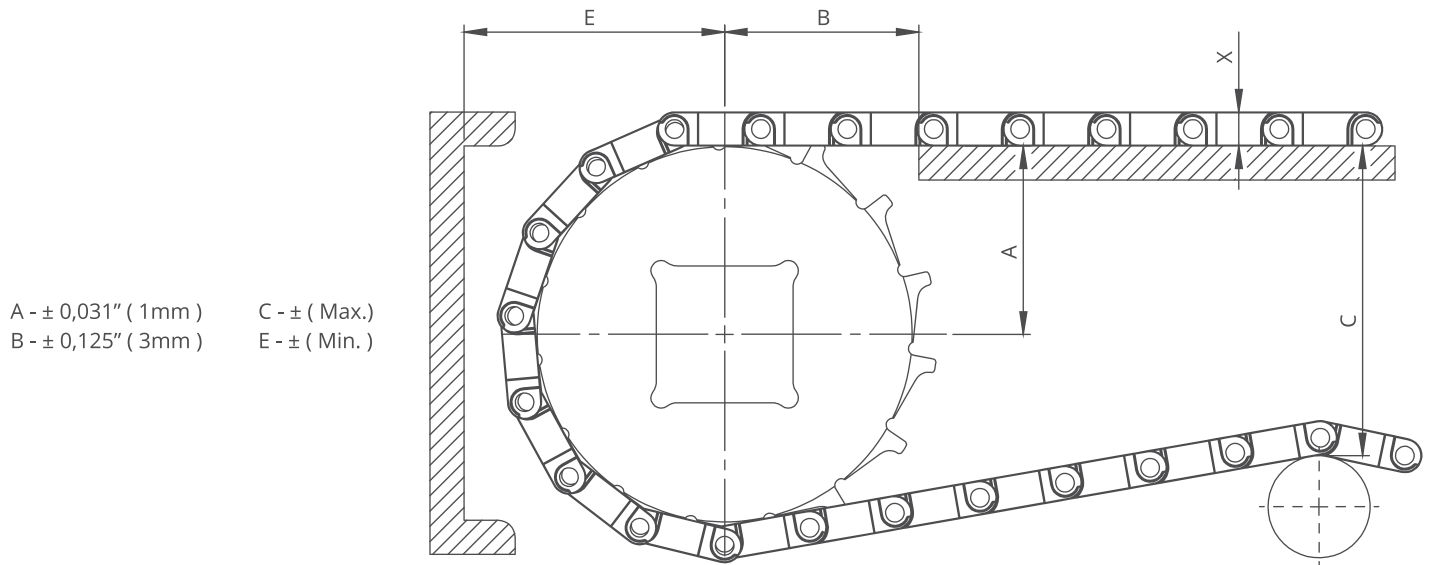


Moulded Sprocket



Machined Sprocket

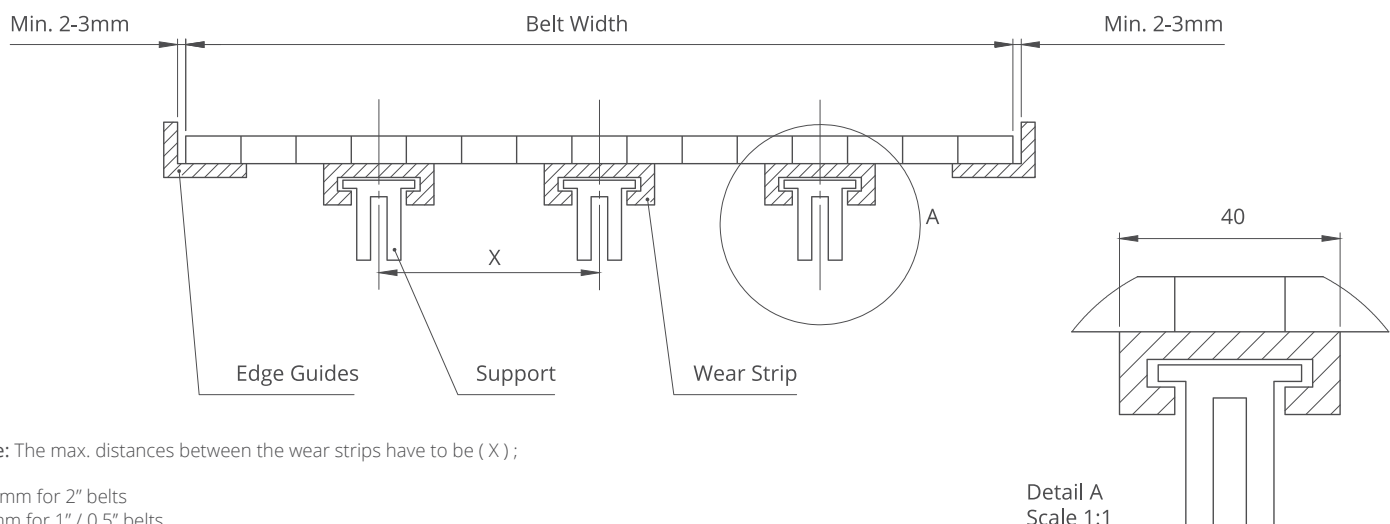
# MD254 Series *Engineering Information*



## MD254 Series / Conveyor Frame Dimensions

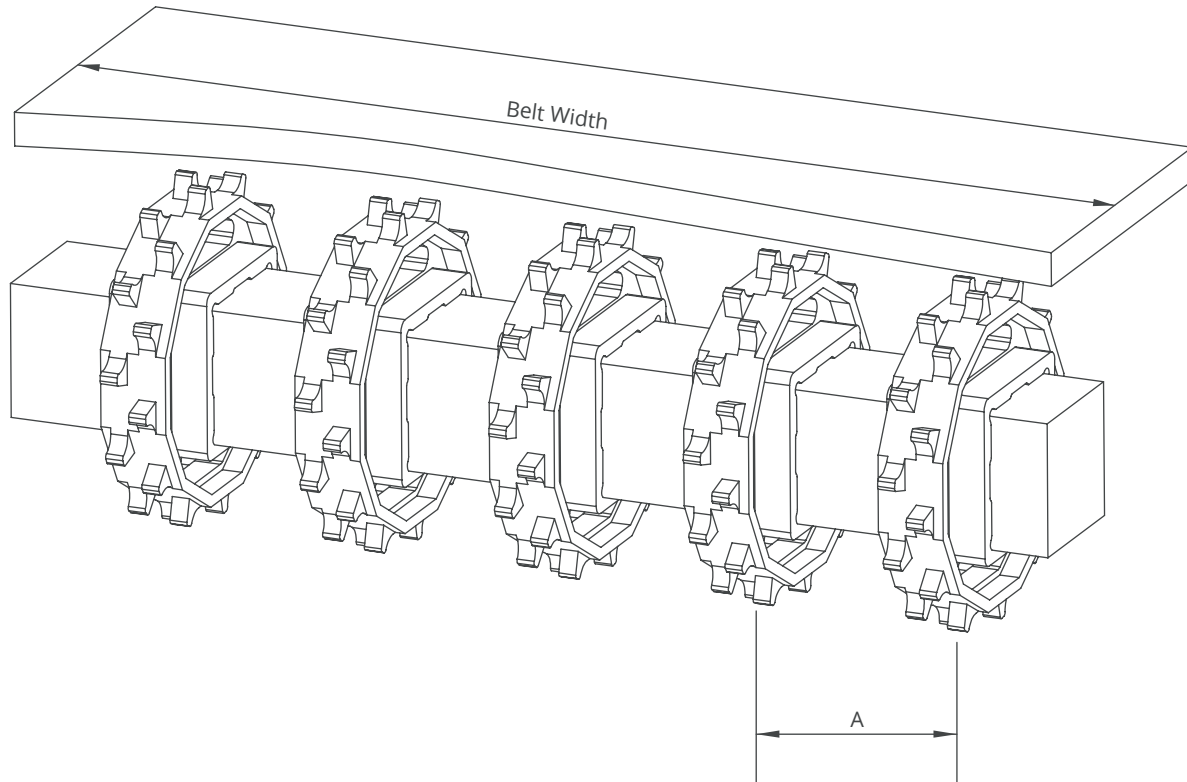
Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)		inch	mm	inch	mm	inch	mm	inch	mm
inch	mm		inch	mm								
<b>MD254 FG, MD254 C</b>												
<b>2.38</b>	60,5	8	<b>1.15</b>	29,2	<b>1.55</b>	39,4	<b>1.95</b>	49,5	<b>1.94</b>	49,2	<b>0.39</b>	10,0
<b>3.07</b>	78,0	10	<b>1.46</b>	37,1	<b>1.77</b>	45,0	<b>2.60</b>	66,1	<b>2.25</b>	57,1	<b>0.39</b>	10,0
<b>3.74</b>	95,0	12	<b>1.76</b>	44,8	<b>1.97</b>	50,1	<b>3.24</b>	82,3	<b>2.55</b>	64,8	<b>0.39</b>	10,0
<b>4.70</b>	119,5	15	<b>2.22</b>	56,4	<b>2.23</b>	56,7	<b>4.18</b>	106,1	<b>3.01</b>	76,4	<b>0.39</b>	10,0
<b>5.02</b>	127,5	16	<b>2.37</b>	60,2	<b>2.38</b>	60,5	<b>4.46</b>	113,2	<b>3.21</b>	81,5	<b>0.39</b>	10,0
<b>5.71</b>	145,0	18	<b>2.73</b>	69,3	<b>2.45</b>	62,3	<b>5.19</b>	131,8	<b>3.51</b>	89,3	<b>0.39</b>	10,0
<b>MD254 RR, MD254 GT</b>												
<b>2.38</b>	60,5	8	<b>1.15</b>	29,2	<b>1.55</b>	39,4	<b>1.95</b>	49,5	<b>2.18</b>	55,4	<b>0.64</b>	16,3
<b>3.07</b>	78,0	10	<b>1.46</b>	37,1	<b>1.77</b>	45,0	<b>2.60</b>	66,1	<b>2.48</b>	63,1	<b>0.64</b>	16,3
<b>3.74</b>	95,0	12	<b>1.76</b>	44,8	<b>1.97</b>	50,1	<b>3.24</b>	82,3	<b>2.79</b>	70,9	<b>0.64</b>	16,3
<b>4.70</b>	119,5	15	<b>2.22</b>	56,4	<b>2.23</b>	56,7	<b>4.18</b>	106,1	<b>3.25</b>	82,7	<b>0.64</b>	16,3
<b>5.02</b>	127,5	16	<b>2.37</b>	60,2	<b>2.38</b>	60,5	<b>4.46</b>	113,2	<b>3.46</b>	87,8	<b>0.64</b>	16,3
<b>5.71</b>	145,0	18	<b>2.73</b>	69,3	<b>2.45</b>	62,3	<b>5.19</b>	131,8	<b>3.76</b>	95,5	<b>0.64</b>	16,3

## MD254 Series / Slider Support System For Straight Running Belts



Note: The max. distances between the wear strips have to be ( X ) ;

125 mm for 2" belts  
 80 mm for 1" / 0.5" belts



## 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	<b>6.0</b>	2	2	50/2	120/4.7
200,0	<b>8.0</b>	2	2	50/2	120/4.7
250,0	<b>10.0</b>	3	2	50/2	120/4.7
300,0	<b>12.0</b>	3	2	50/2	120/4.7
350,0	<b>14.0</b>	3	3	50/2	120/4.7
400,0	<b>16.0</b>	4	3	50/2	120/4.7
450,0	<b>18.0</b>	4	3	50/2	120/4.7
500,0	<b>20.0</b>	5	4	50/2	120/4.7
550,0	<b>22.0</b>	5	4	50/2	120/4.7
600,0	<b>24.0</b>	6	5	50/2	120/4.7
700,0	<b>26.0</b>	7	5	50/2	120/4.7
800,0	<b>28.0</b>	8	6	50/2	120/4.7
900,0	<b>30.0</b>	9	7	50/2	120/4.7
1000,0	<b>32.0</b>	10	7	50/2	120/4.7

Note: Number of sprockets depends on the belt load.