



EC508 FG

Modular Belt Series

- **Bakery Applications**

Oven Infeed/Outfeed, Cooling Lines, Coating Lines, Glazing Lines, Freezing Lines, Conditioning Lines

- **Sea Food Applications**

Breeding Machines, Draining Lines

- **Snack Food Applications**

Proofer Lines, Boiler Infeed, Oven Infeed / Outfeed, Cooling Lines

- **Fruits and Vegetables Applications**

Prewashing / Rinsing, Draining

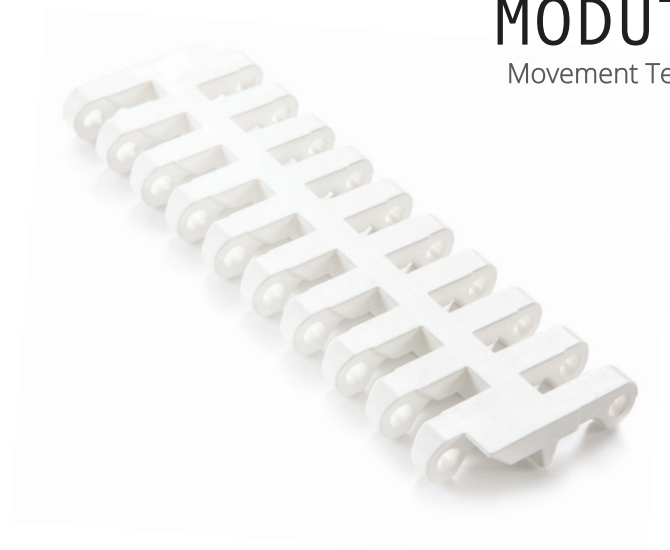
- **Tire Manufacturing Applications**

Mixer Infeed / Outfeed, Extrusion Shower Lines, Cooling Incline, Cooling Decline, Cooling Horizontal



MODUTECH®
Movement Technologies

EC508 FG



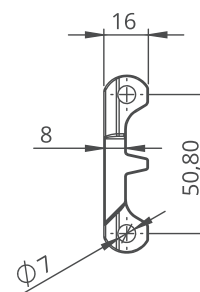
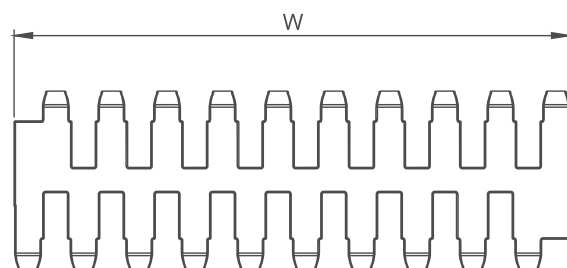
Pitch:	50,8 mm / 2 inch
Belt Surface:	Open, Smooth Surface
Minimum Width:	200 mm / 7.87 inch
Open Area (%):	35%. (Biggest opening 9 x 12 mm)
Flight:	Yes
Sidewall:	Yes
Pin:	Ø 7 mm / 0.276 inch - Self Lock
Approved:	FDA and EU
Color:	Blue / White
Cleanability:	Excellent
Belt Thickness:	16 mm / 0.630 inch

EC508 FG Technical Information

Belt Material		POM	POM	POM	PP	PP	PE
Pin Material		PA	POM	PP	PP	POM	POM
Belt Strength	N/m lb/ft	25500 - 1746	25500 - 1746	24500 - 1678	17500 - 1200	17500 - 1200	10000 - 684
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	11.0 / 2.25	11.0 / 2.25	11.0 / 2.25	7.5 / 1.54	7.5 / 1.54	8.0 / 1.65

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	200,0	300,0	400,0	500,0	600,0	700,0	800,0	900,0	1000,0	1100,0	1200,0	1300,0	1400,0	1500,0	1600,0	1700,0	1800,0
Belt Width inch	7.87	11.81	15.75	16.69	23.62	27.56	31.50	35.43	39.37	43.31	47.24	51.18	55.12	59.06	62.99	66.93	70.87
Belt Width mm	1900,0	2000,0	2100,0	2200,0													
Belt Width inch	74.80	78.74	82.68	86.61													



Product Features and Functional Benefits

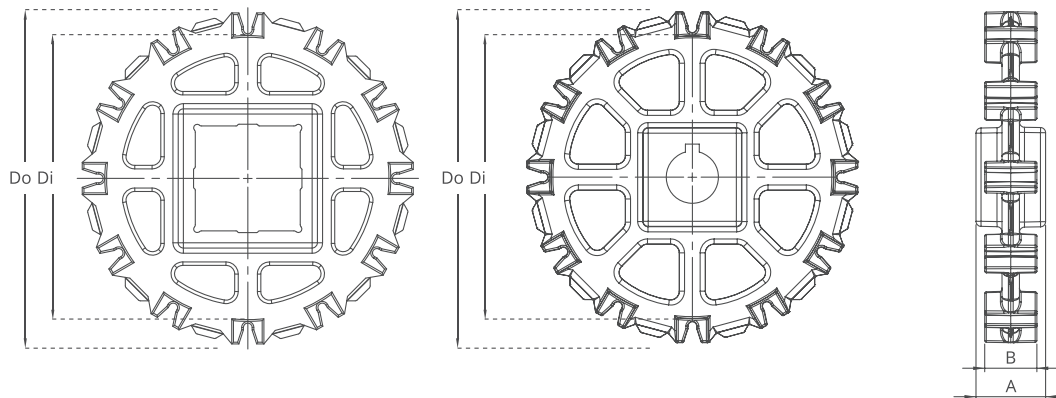
- Belt provides optimal open area for drainage and airflow.
- Less friction and product contact for easy cooking, cooling and freezing of products.
- Reduced dirt and oxide build due to self cleaning surface.
- Easy to clean reduces downtime for cleaning time 70%.

Important Notes

- Standard belt increments 100 mm.
- Non-standard belt increments 20 mm.
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.
- For PE material up to 750 mm (30") 0 mm to 1 mm and 0% to 0.1% for wider belts.
- For POM material up to 750 mm (30") -3 mm to 0 mm and -0.3% to 0% for wider belts.

EC508 Series

Sprockets and Technical Specifications



EC508 Series / Molded Sprocket Dimensions

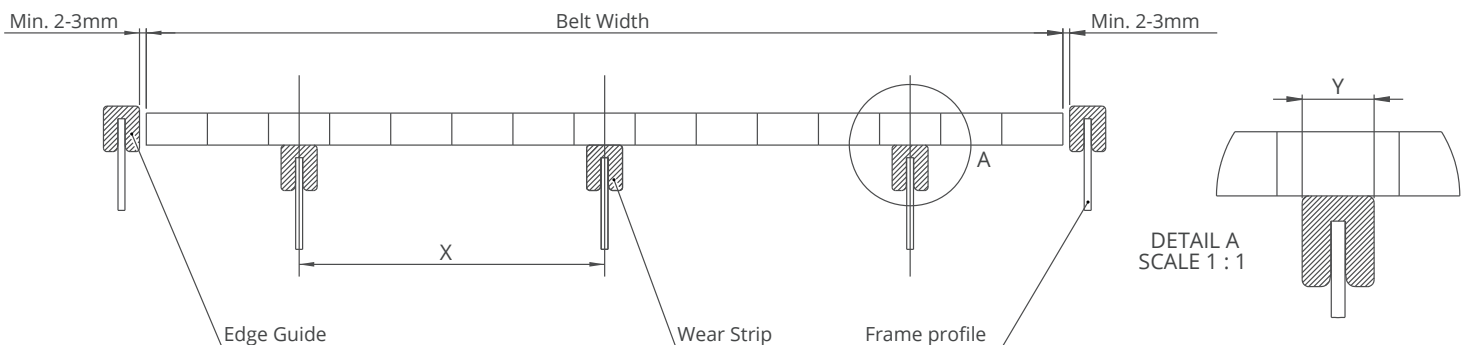
NO. TEETH	Di mm/inch	Do mm/inch	A mm/inch	B mm/inch	Square Bore (Q)		Round Bore (R)		PRODUCT CODE	
					mm	inch	mm	inch	Square Type (Q)	Round Type (R)
Z6	72,9 / 2.87	90,2 / 3.54	40,0 / 1.57	30,0 / 1.18	40	1.5	25 to 30	1 to 1.25	EC-HC508SQZ6*PA	EC-HC508SRZ6*PA
Z8	107,1 / 4.22	124,6 / 4.91	40,0 / 1.57	30,0 / 1.18	40	1.5	25 to 30	1 to 1.25	EC-HC508SQZ8*PA	EC-HC508SRZ8*PA
Z10	141,6 / 5.57	158,2 / 6.22	40,0 / 1.57	30,0 / 1.18	40	1.5 & 2.5	30	1.25	EC-HC508SQZ10*PA	EC-HC508SRZ10*PA
Z12	174,6 / 6.87	191,1 / 7.52	40,0 / 1.57	30,0 / 1.18	40 & 60	1.5 & 2.5	30	1.25	EC-HC508SQZ12*PA	EC-HC508SRZ12*PA
Z16	234,30 / 9.34	257,8 / 10.15	40,0 / 1.57	30,0 / 1.18	60	-	-	-	EC-HC508SQZ16*PA	-

*Other sprockets and hub sizes are manufactured on request.

*POM (Acetal), PP (Polypropylene) and other special raw materials are available on request.

*CNC Machined Split Sprockets are available on request.

EC508 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.

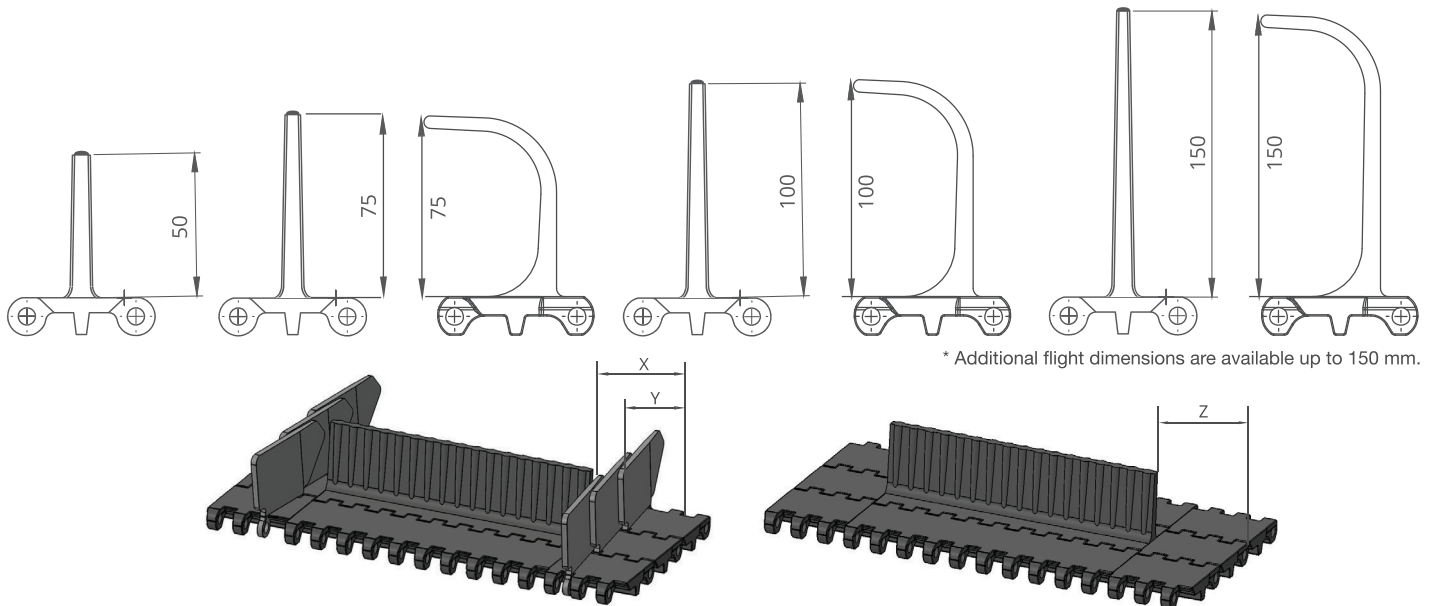
EC508 Series

Accessories and Technical Specifications



EC508 Series / Flight & Sidewall Dimensions

EC508 Series / Flights & Sidewalls				
PRODUCT CODE	Flight Height (mm/inch)	Flight Width (mm/inch)	PRODUCT CODE	Sidewall Height (mm/inch)
EC508T25	25 / 1	200 / 7.87	EC508SW25	25 / 1
EC508T50	50 / 2	200 / 7.87	EC508SW50	50 / 2
EC508T75	75 / 3	200 / 7.87	EC508SW75	75 / 3
EC508T100	100 / 4	200 / 7.87	EC508SW100	100 / 4
EC508T150	150 / 6	200 / 7.87	U508SW50	53 / 2.09
EC508TC75	75 / 3	200 / 7.87	U508SW75	78 / 3.07
EC508TC100	100 / 4	200 / 7.87	U508SW100	103 / 4.06
EC508TC150	150 / 6	200 / 7.87	-	-
EC508TCC75	75 / 3	200 / 7.87	-	-
EC508TCC100	100 / 4	200 / 7.87	-	-
EC508TCC150	150 / 6	200 / 7.87	-	-
EC508TNC100	100 / 4	200 / 7.87	-	-
EC508TCH100	100 / 4	200 / 7.87	-	-
EC508TCCH100	100 / 4	200 / 7.87	-	-



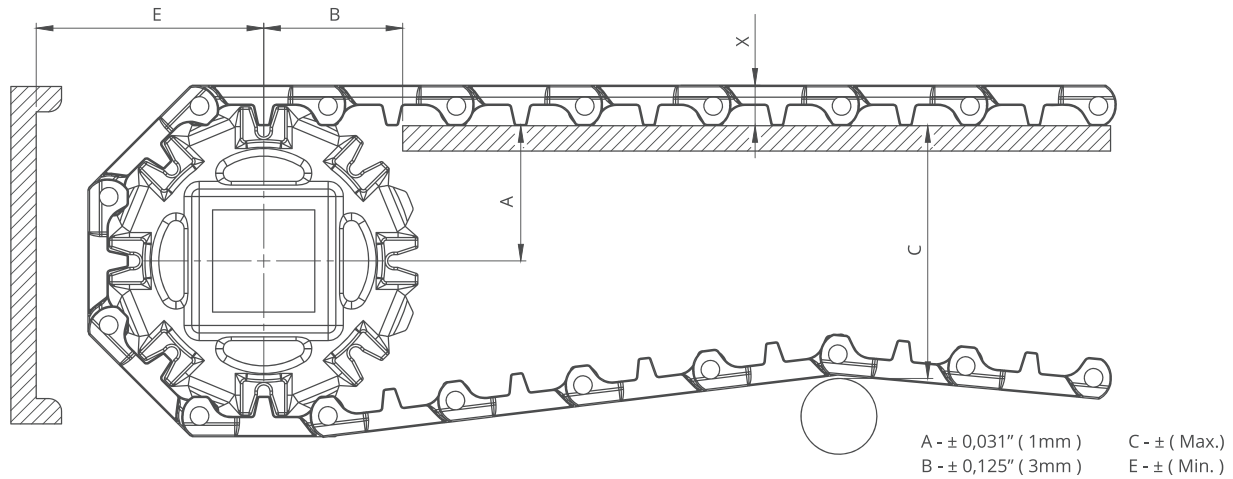
EC508 Series / Sidewall Technical Specifications

Possible Sidewall and Flights Indents	X		Y		Z	
	mm	inch	mm	inch	mm	inch
Standard, no module cutting	30,1	1.18	18,3	0.72	40,0	1.57
Non-Standard, module cutting	40,1	1.58	28,3	1.12	50,0	1.97
Standard, no module cutting	50,1	1.97	38,3	1.51	60,0	2.36
Non-Standard, module cutting	60,1	2.36	48,3	1.90	70,0	2.76
Standard, module cutting	70,1	2.76	58,3	2.30	80,0	3.15
Non-Standard, module cutting	80,1	3.15	68,3	2.69	90,0	3.54

Note: Gap between flight and sidewall minimum 2-3 mm

EC508 Series

Engineering Information

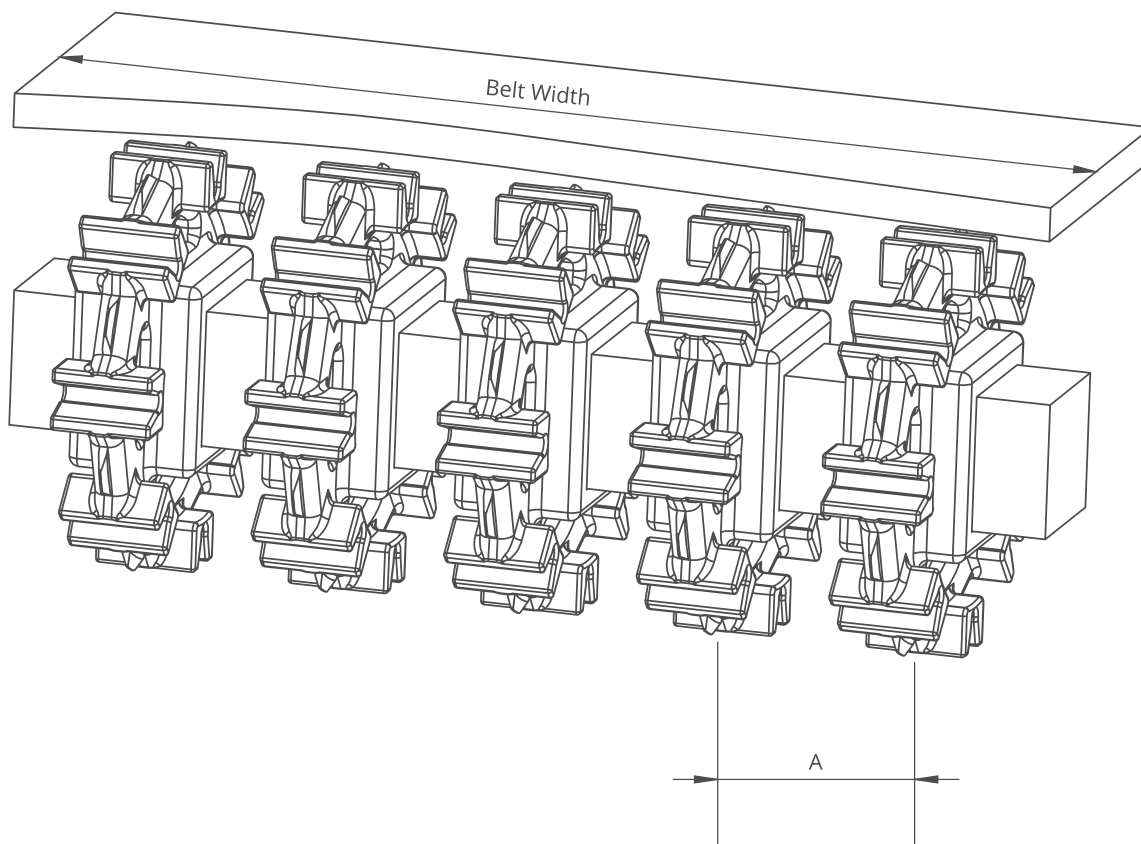


EC508 Series / Conveyor Frame Dimensions

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								
EC508 C, EC508 PR22%, EC508 PR13%, EC508 PR11%, EC508 FG												
3.23	82,0	6	1.70	43,3	1.72	43,8	2.92	74,3	2.73	69,3	0.63	16,0
4.57	116,0	8	2.34	59,4	2.08	52,7	4.23	107,4	3.36	85,4	0.63	16,0
5.91	150,0	10	2.96	75,3	2.38	60,5	5.52	140,3	3.99	101,3	0.63	16,0
7.23	183,6	12	3.65	92,8	2.58	65,5	6.87	174,6	4.68	118,8	0.63	16,0
10.30	262,00	16	4.80	122	2.83	72,0	9.52	242,0	5.70	145	0.63	16,0
EC508 DT												
3.23	82,0	6	1.70	43,3	1.72	43,8	2.92	74,3	2.73	69,3	0.67	17,0
4.57	116,0	8	2.34	59,4	2.08	52,7	4.23	107,4	3.36	85,4	0.67	17,0
5.91	150,0	10	2.96	75,3	2.38	60,5	5.52	140,3	3.99	101,3	0.67	17,0
7.23	183,6	12	3.65	92,8	2.58	65,5	6.87	174,6	4.68	118,8	0.67	17,0
10.30	262,00	16	4.80	122	2.83	72,0	9.52	242,0	5.70	145	0.67	17,0
EC508 NT, EC508 FG-NT												
3.23	82,0	6	1.70	43,3	1.72	43,8	2.83	71,8	2.83	71,8	0.73	18,5
4.57	116,0	8	2.34	59,4	2.08	52,7	4.13	104,9	3.46	87,9	0.73	18,5
5.91	150,0	10	2.96	75,3	2.38	60,5	5.43	137,8	4.09	103,8	0.73	18,5
7.23	183,6	12	3.65	92,8	2.58	65,5	6.78	172,1	4.78	121,3	0.73	18,5
10.30	262,00	16	4.80	122	2.83	72,0	9.41	239,0	5.83	148	0.73	18,5
EC508 C-RT, EC508 FG-RT												
3.23	82,0	6	1.57	39,8	1.72	43,8	2.92	74,3	2.87	72,8	0.90	23,1
4.57	116,0	8	2.20	55,9	2.08	52,7	4.23	107,4	3.50	88,9	0.90	23,1
5.91	150,0	10	2.83	71,9	2.38	60,5	5.52	140,3	4.13	104,8	0.90	23,1
7.23	183,6	12	3.52	89,3	2.58	65,5	6.87	174,6	4.81	122,3	0.90	23,1
10.30	262,00	16	4.70	119,5	2.83	72,0	9.52	242,0	5.87	149	0.90	23,1
EC508 GT												
3.23	82,0	6	1.70	43,3	1.72	43,8	3.04	77,3	2.85	72,3	0.75	19,0
4.57	116,0	8	2.34	59,4	2.08	52,7	4.35	110,4	3.48	88,4	0.75	19,0
5.91	150,0	10	2.96	75,3	2.38	60,5	5.64	143,3	4.11	104,3	0.75	19,0
7.23	183,6	12	3.65	92,8	2.58	65,5	6.99	177,6	4.80	121,8	0.75	19,0
10.30	262,00	16	4.80	122	2.83	72,0	9.65	245	5.83	148	0.75	19,0

EC508 Series

Engineering Information



EC508 Series / Sprocket & Wearstrip Arrangements

Standard Belt Width		Number of sprockets per shaft	Number of wearstrips		A (mm/inch)	
mm	inch		Carryway	Returnway	Min.	Max.
200,0	6	2	2	2	100 / 4.0	200 / 8.0
300,0	8	2	2	2	100 / 4.0	200 / 8.0
400,0	10	3	3	2	100 / 4.0	200 / 8.0
500,0	12	3	3	3	100 / 4.0	200 / 8.0
600,0	14	3	4	3	100 / 4.0	200 / 8.0
700,0	16	5	4	3	100 / 4.0	200 / 8.0
800,0	18	5	5	3	100 / 4.0	200 / 8.0
900,0	20	5	5	4	100 / 4.0	200 / 8.0
1000,0	24	7	6	4	100 / 4.0	200 / 8.0
1100,0	30	7	6	4	100 / 4.0	200 / 8.0
1200,0	32	7	7	5	100 / 4.0	200 / 8.0
1400,0	36	9	7	5	100 / 4.0	200 / 8.0
1600,0	42	11	7	5	100 / 4.0	200 / 8.0
1800,0	48	11	8	5	100 / 4.0	200 / 8.0
2000,0	54	13	8	6	100 / 4.0	200 / 8.0
2200,0	60	15	9	6	100 / 4.0	200 / 8.0
2400,0	72	15	10	7	100 / 4.0	200 / 8.0
2600,0	84	17	11	8	100 / 4.0	200 / 8.0
2800,0	96	19	12	9	100 / 4.0	200 / 8.0
3000,0	120	19	13	10	100 / 4.0	200 / 8.0

Note:

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

*For wider belt widths, central distance of sprockets should be maximum 200mm (8").

*For wider belts, central distance of carryway wearstrips maximum 250mm (10"), returnway wearstrips maximum 350mm (14").