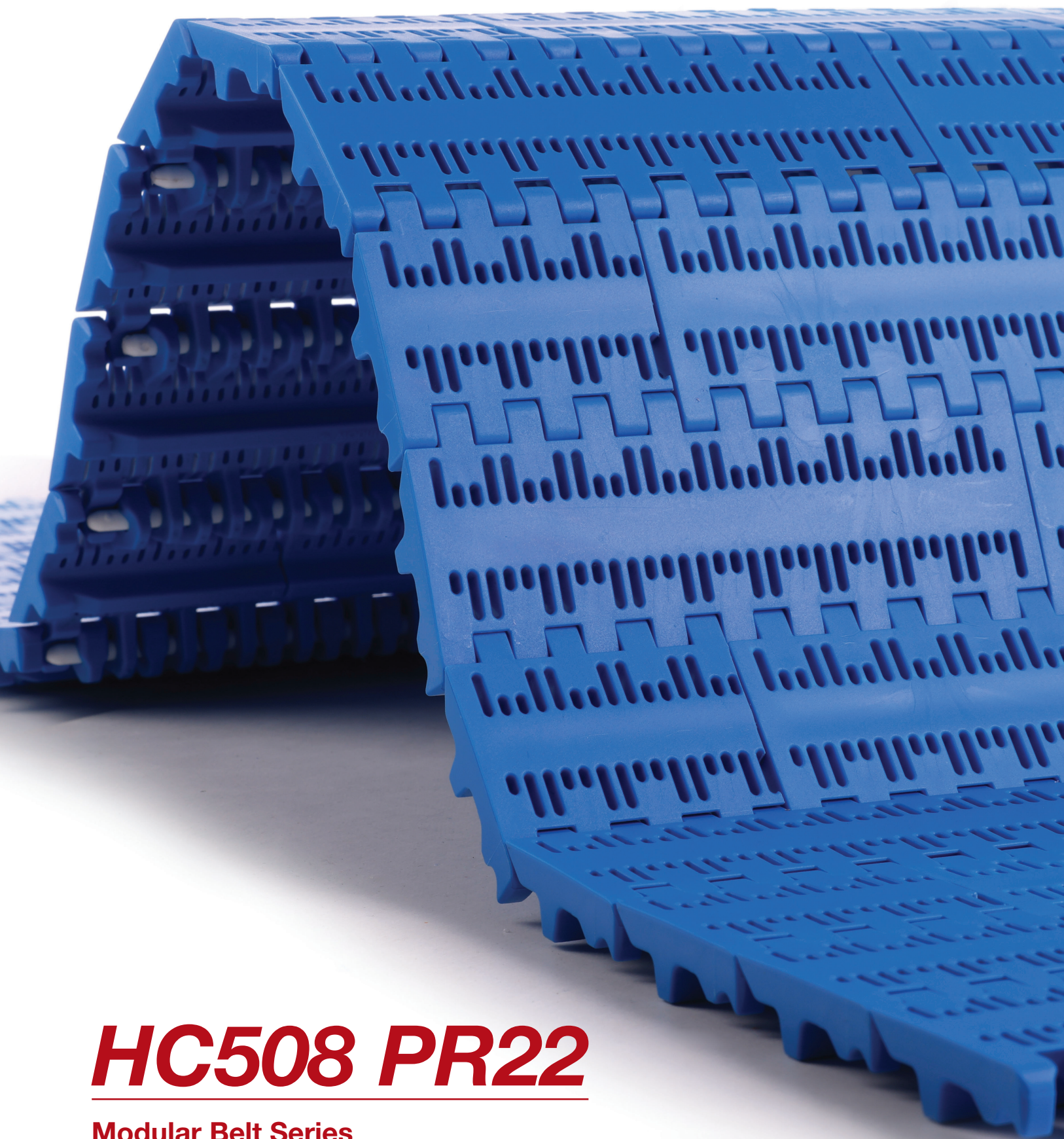




HC508 PR22

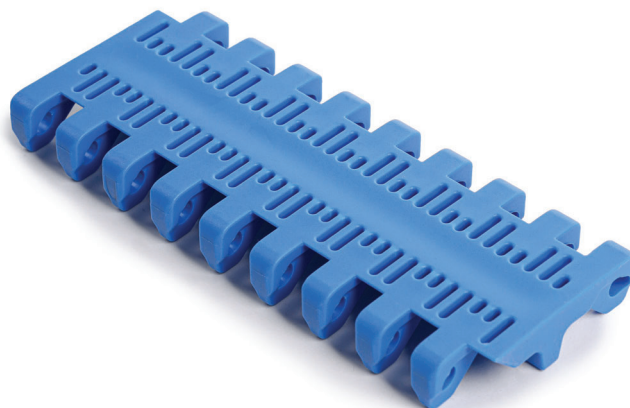
Modular Belt Series



MODUTECH®
Movement Technologies

HC508 PR22

Pitch:	50,8 mm / 2 inch
Belt Surface:	Open, Smooth Surface
Minimum Width:	152,4 mm / 6.00 inch
Open Area (%):	22%. (Biggest opening 2 x 10,7 mm)
Flight:	Yes
Sidewall:	Yes
Pin:	Ø 6 mm / 0.236 inch
Approved:	FDA and EU
Color:	Blue / White
Cleanability:	Excellent
Belt Thickness:	16 mm / 0.63 inch

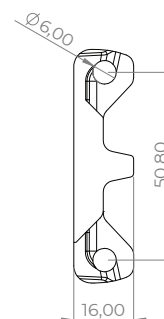
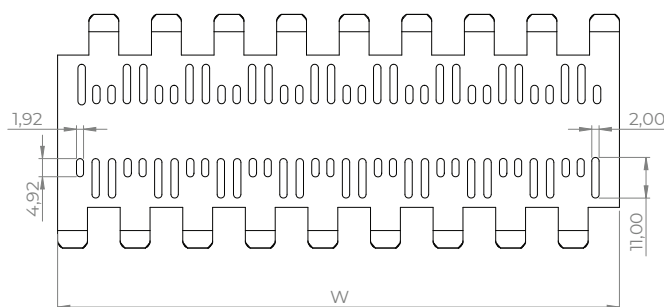


HC508 PR22 Technical Information

Belt Material		POM	POM	POM	PP	PP	PPH	PE
Pin Material		POM	PA	PE	PP	POM	PPH	PE
Belt Strength	N/m lb/ft	30000 - 2055	30000 - 2055	18000 - 1233	18000 - 1233	18000 - 1233	18000 - 1233	10000 - 685
Temperature	°C °F	-40 / 93 -40 / +200	-40 / 93 -40 / +200	-40 / +65 -40 / +150	+5 / +105 +40 / +220	+5 / +93 +40 / +200	+5 / +110 +40 / +230	-70 / +65 -50 / +150
Belt Weight	kg/m² lb/sqft²	12.07 / 2.47	11.93 / 2.44	11.83 / 2.42	7.8 / 1.6	8.07 / 1.65	7.8 / 1.6	8.25 / 1.70

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	152,4	228,6	304,8	381,0	457,2	533,4	609,6	685,8	762,0	838,2	914,4	990,6	1066,8	1143,0	1219,2	1295,4	1371,6	1447,8	1524,0
Belt Width inch	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60
Belt Width mm	1600,2																		
Belt Width inch	63																		



Product Features and Functional Benefits

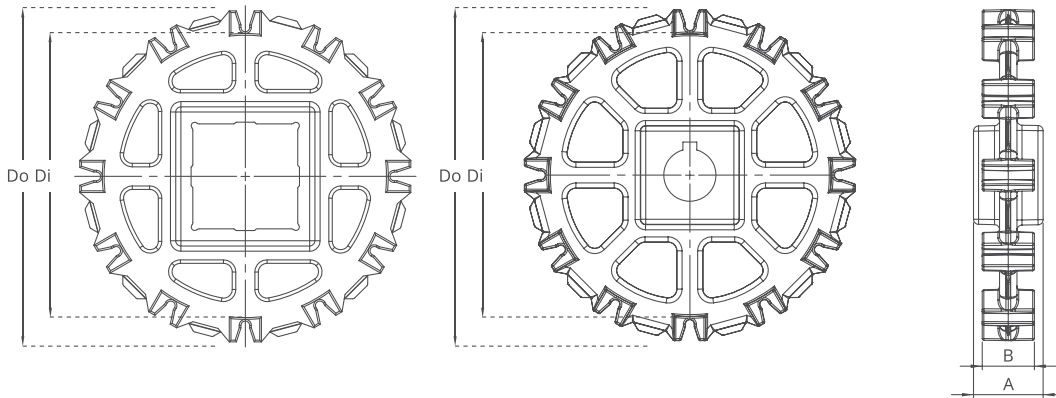
- Hygienic & Food-Safe open hinge design
- Perforated flat top surface.
- Easy to clean.
- Different openings to optimize performance in cooling and draining applications.
- Unique sprocket engagement
- Food approved materials

Important Notes

- Standard belt increments 50,8 mm.
- Non-standard belt increments 16,9 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.

HC508 Series

Sprockets and Technical Specifications



HC508 Series / Molded Sprocket Dimensions

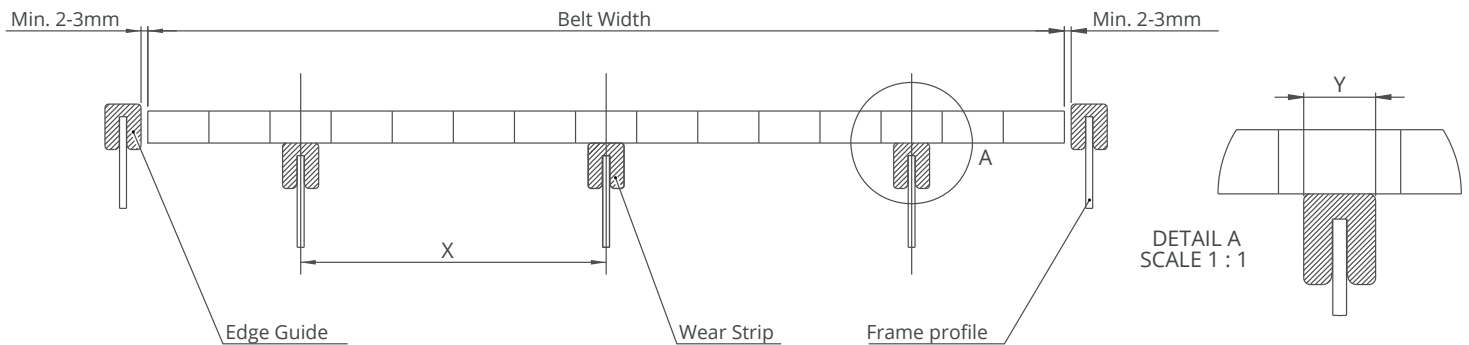
NO. TEETH	Di mm/inch	Do mm/inch	A mm/inch	B mm/inch	Square Bore (Q)		Round Bore (R)		PRODUCT CODE	
					mm	inch	mm	inch	Square Type (Q)	Round Type (R)
Z6	72,9 / 2.87	90,2 / 3.54	40,0 / 1.57	30,0 / 1.18	40	1.5	25 to 30	1 to 1.25	EC-HC508SQZ6*PA	EC-HC508SRZ6*PA
Z8	107,1 / 4.22	124,6 / 4.91	40,0 / 1.57	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.

HC508 Series / Slider Support System For Straight Running Belts



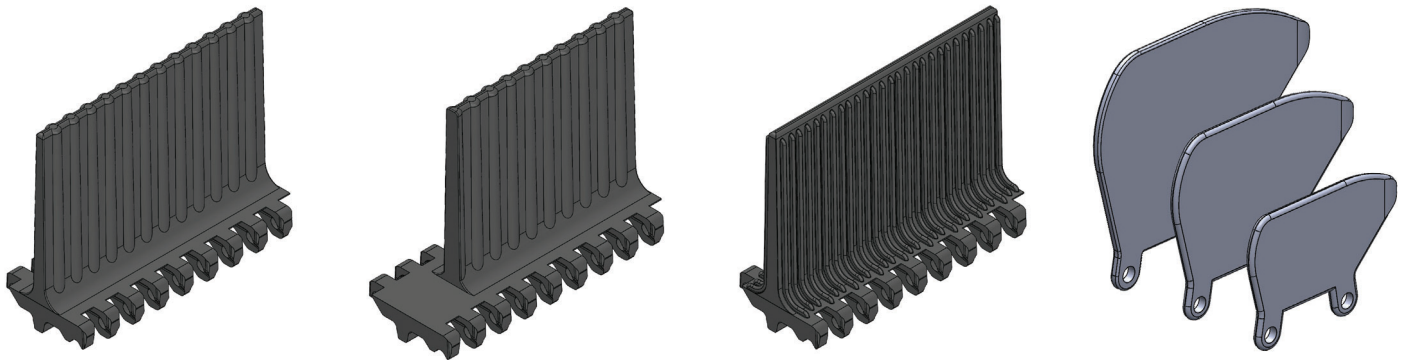
Note: The distances between the carryway wear strips (X) may be changed to due to operation conditions and transported load. In general, we recommend;

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.

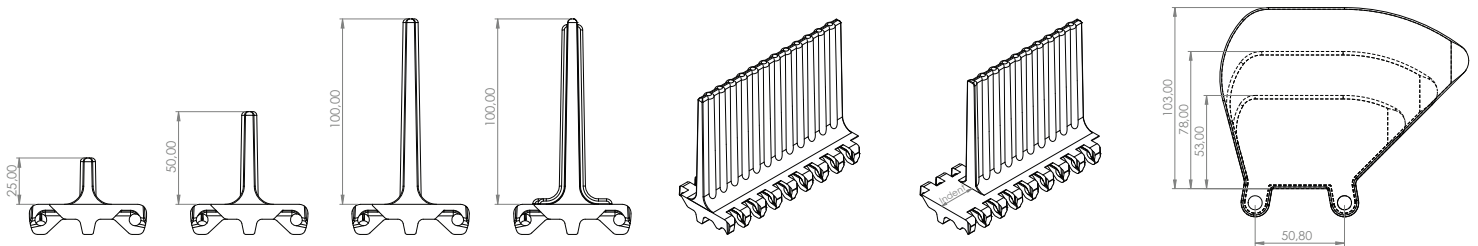
HC508 Series

Accessories and Technical Specifications



HC508 Series / Flight & Sidewall Dimensions

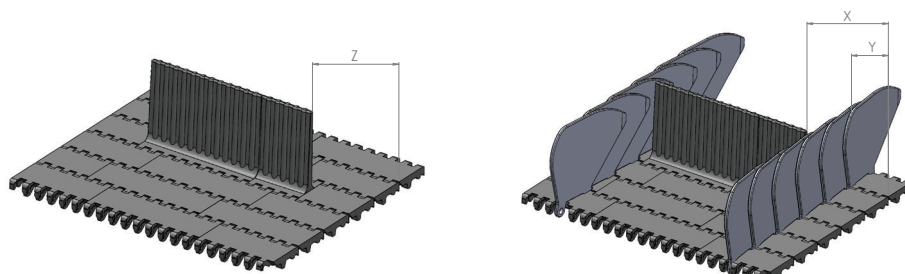
HC508 Series /Flights & Sidewalls				
PRODUCT CODE	Flight Height (mm/inch)	Flight Width (mm/inch)	PRODUCT CODE	Sidewall Height (mm/inch)
HC508T25E	25 / 1	152,4 / 6	U508SW50	53 / 2.09
HC508T50E	50 / 2	152,4 / 6	U508SW75	78 / 3.07
HC508T100E	100 / 4	152,4 / 6	U508SW100	103 / 4.06
HC508T150E	150 / 6	152,4 / 6	-	-
HC508T25M	25 / 1	152,4 / 6	-	-
HC508T50M	50 / 2	152,4 / 6	-	-
HC508T100M	100 / 4	152,4 / 6	-	-
HC508T150M	150 / 6	152,4 / 6	-	-
HC508TNC100E	100 / 4	152,4 / 6	-	-
HC508TNC100M	100 / 4	152,4 / 6	-	-
HC508T50E-INT	50 / 2	152,4 / 6 (Self Indent: 33 / 1.3)	-	-
HC508T100E-INT	100 / 4	152,4 / 6 (Self Indent: 33 / 1.3)	-	-



HC508 Series / Universal Sidewall Technical Specifications

Possible Sidewall and Flights Indents	Z		X		Y	
	mm	inch	mm	inch	mm	inch
Standard, no module cutting	33,00	1.30	31,85	1.25	15,00	0.59
Standard, no module cutting	50,80	2.00	49,2	1.94	32,35	1.27
Non-Standard, module cutting	67,00	2.64	59,98	2.36	43,13	1.70
Non-Standard, module cutting	83,80	3.30	83,15	3.27	66,30	2.61
Standard, no module cutting	101,60	4.00	99,35	3.91	82,50	3.25

Note: The gap between flight and sidewall should be minimum 2-3 mm.

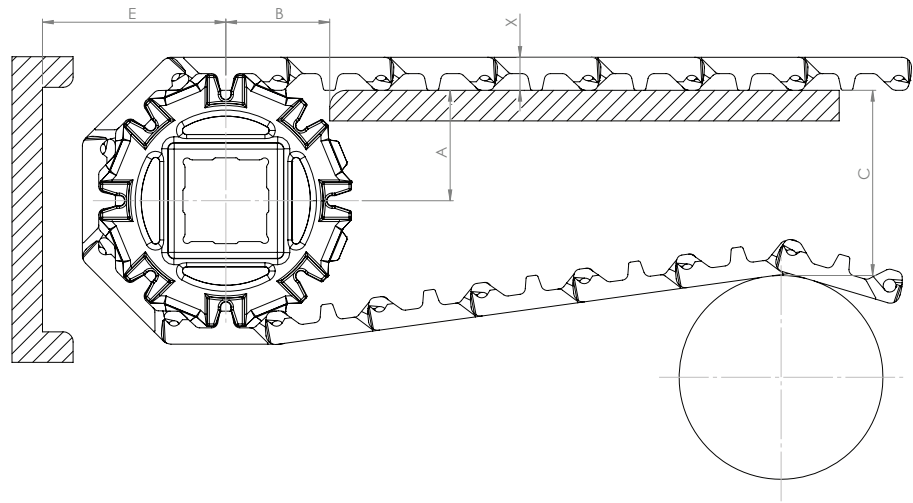


HC508 Series

Engineering Information

A: $\pm 0,031"$ (1mm)
B: $\pm 0,125"$ (1mm)

C: $\pm$ (Max.)
E: $\pm$ (Min.)

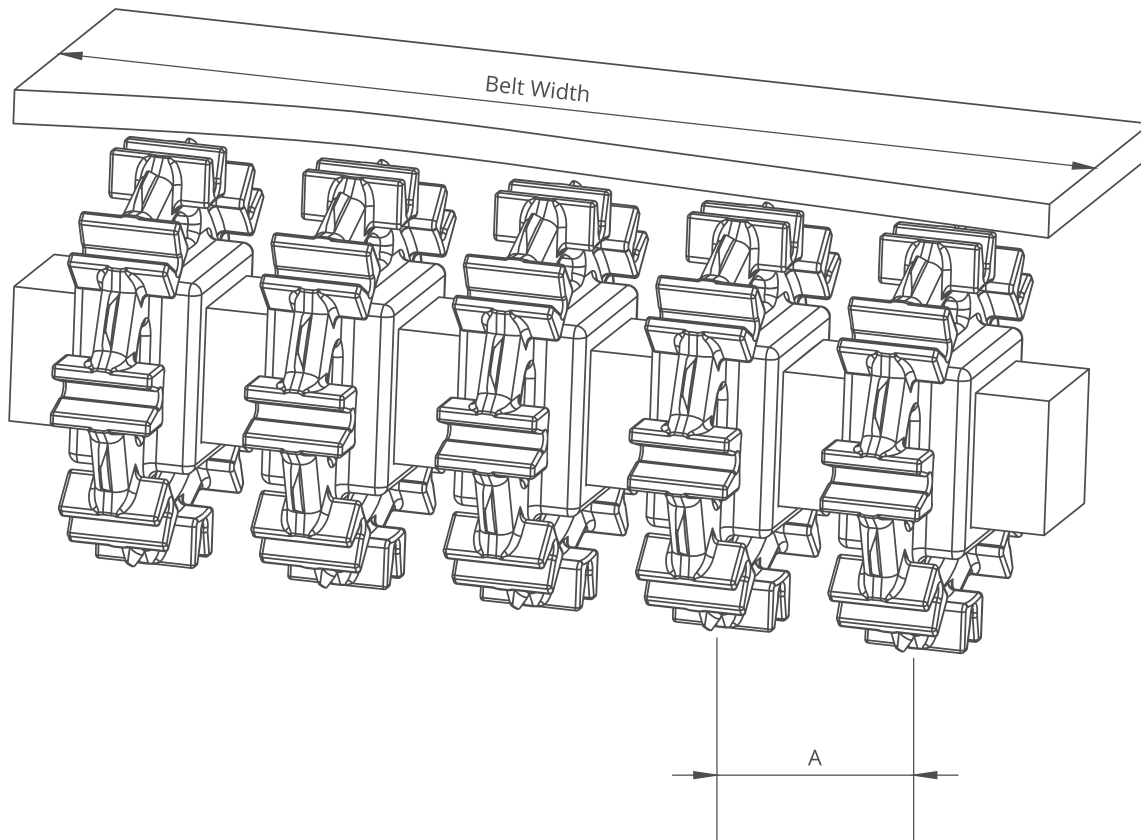


HC508 Series / Conveyor Frame Dimensions

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								
HC508 C, HC508C-MTW, HC508 PR22												
3.90	99,00	6	1.64	41,62	1.67	42,3	2.93	74,3	2.86	72,62	0.63	16,0
5.26	133,62	8	2.32	58,93	2.01	51,0	4.23	107,4	3.54	89,93	0.63	16,0
6.59	167,45	10	2.99	75,84	2.32	58,9	5.52	140,3	4.21	106,84	0.63	16,0
7.64	194,00	12	3.51	89,13	2.45	62,1	6.87	174,6	4.73	120,13	0.63	16,0
10.30	262,00	16	4.80	122	2.83	72,0	9.53	242,0	5.71	145,12	0.63	16,0
HC508 MR												
3.90	99,00	6	1.64	41,62	1.67	42,3	3.04	77,3	2.98	75,62	0.75	19,0
5.26	133,62	8	2.32	58,93	2.01	51,0	4.35	110,4	3.66	92,93	0.75	19,0
6.59	167,45	10	2.99	75,84	2.32	58,9	5.64	143,3	4.32	109,84	0.75	19,0
7.64	194,00	12	3.51	89,13	2.45	62,1	6.99	177,6	4.85	123,13	0.75	19,0
10.30	262,00	16	4.80	122	2.83	72,0	9.65	245,0	5.83	148,12	0.75	19,0
HC508 NT												
3.90	99,00	6	1.64	41,62	1.67	42,3	3.02	76,8	2.96	75,12	0.73	18,5
5.26	133,62	8	2.32	58,93	2.01	51,0	4.33	109,9	3.64	92,43	0.73	18,5
6.59	167,45	10	2.99	75,84	2.32	58,9	5.62	142,8	4.30	109,34	0.73	18,5
7.64	194,00	12	3.51	89,13	2.45	62,1	6.97	177,1	4.83	122,63	0.73	18,5
10.30	262,00	16	4.80	122	2.83	72,0	9.63	244,5	5.81	147,62	0.73	18,5

HC508 Series

Engineering Information



HC508 Series / Sprocket & Wearstrip Arrangements

Standard Belt Width		Number of sprockets per shaft	Number of wearstrips		A (mm/inch)	
mm	inch	Minimum	Carryway	Returnway	Min.	Max.
152,4	6	2	2	2	51 / 2.0	152 / 6.0
203,2	8	2	2	2	51 / 2.0	152 / 6.0
254,0	10	2	2	2	51 / 2.0	152 / 6.0
304,8	12	3	3	2	51 / 2.0	152 / 6.0
355,6	14	3	3	3	51 / 2.0	152 / 6.0
406,4	16	3	3	3	51 / 2.0	152 / 6.0
457,2	18	3	3	3	51 / 2.0	152 / 6.0
508,0	20	5	4	3	51 / 2.0	152 / 6.0
609,6	24	5	4	3	51 / 2.0	152 / 6.0
762,0	30	5	5	4	51 / 2.0	152 / 6.0
812,8	32	7	5	4	51 / 2.0	152 / 6.0
914,4	36	7	5	4	51 / 2.0	152 / 6.0
1066,8	42	7	6	5	51 / 2.0	152 / 6.0
1219,2	48	9	7	5	51 / 2.0	152 / 6.0
1371,6	54	9	7	6	51 / 2.0	152 / 6.0
1524,0	60	11	8	6	51 / 2.0	152 / 6.0
1828,8	72	13	9	7	51 / 2.0	152 / 6.0
2133,6	84	15	11	8	51 / 2.0	152 / 6.0
2438,4	96	17	12	9	51 / 2.0	152 / 6.0
3048,0	120	21	15	11	51 / 2.0	152 / 6.0

Note:

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

*For wider belt widths, central distance of sprockets should be maximum 152,4mm (6").

*For wider belts, central distance of carryway wearstrips maximum 228,6mm (9"), returnway wearstrips maximum 304,8mm (12").