



HP508 FG

Battery Belt

Modular Belt Series

- **Bakery & Snack Foods Applications**

Cooling Line

- **Fruits and Vegetables Applications**

Palletizing - Epalletizing, Sterilization Conveyance

- **Automotive Applications**

Battery Filling

- **Tire Manufacturing Applications**

Dip Tank

- **Packaging Applications**

Accumulation, Palletizing - Depalletizing

- **Textile Applications**

Dyeing

- **Beverages and Bottling Applications**

Glass Palletizing - Depalletizing, Pasteurizers - Warmers, Accumulation Tables

- **Can Manufacturing Applications**

Accumulation Tables, Palletizing / Depalletizing



MODUTECH®
Movement Technologies

HP508 FG (Battery Belt)



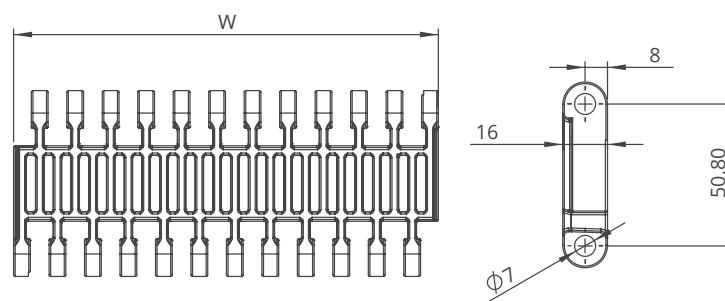
Pitch:	50,8 mm / 2 inch
Belt Surface:	Open, Smooth Surface
Minimum Width:	152,4 mm / 6 inch
Open Area (%):	36%. (Biggest opening 3,5 x 18,5 mm)
Flight:	No
Sidewall:	No
Pin:	Ø 7 mm / 0.275 inch - End Locks
Approved:	FDA and EU
Color:	White / Gray
Cleanability:	Good
Belt Thickness:	16 mm / 0.630 inch

HP508 FG Technical Information

Belt Material		PP
Pin Material		PP
Belt Strength	N/m lb/ft	25000 - 1713
Temperature	°C °F	+5 / +105 +40 / +220
Belt Weight	kg/m² lb/sqft²	7.5 / 1.53

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	-	-

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
Belt Width inch	6.00	9.00	12.00	15.00	18.00	21.00	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00	51.00	54.00
Belt Width mm	1447,8	1524,0	1600,2	1676,4													
Belt Width inch	57.00	60.00	63.00	66.00													



Product Features and Functional Benefits

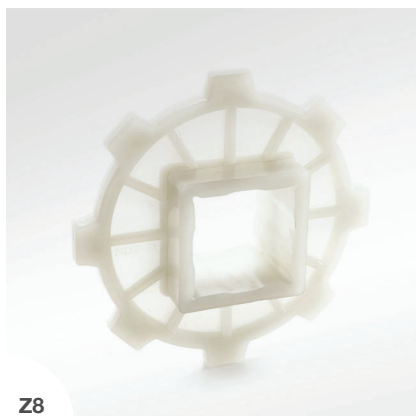
- Belt provides optimal open area for drainage and airflow.
- Unique sprocket engagement reduces pulsation and increases load capacity.
- High power, bi-directional belt for long conveyors.
- Unique sprocket engagement - higher product load and longer conveyors.
- Strong and thick product supports allow more load without breaking.
- Impact resistance to withstand heavy objects falling on the belt.

Important Notes

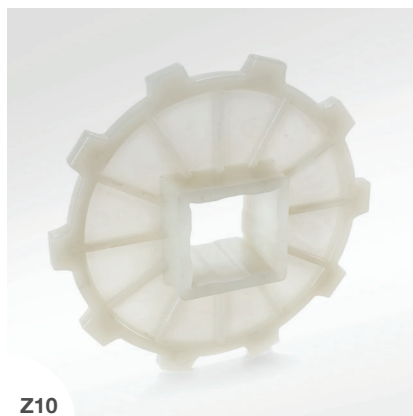
- Standard belt increments 76,2 mm.
- Non-standard belt increments 38,1 mm.
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.

HP508 Series

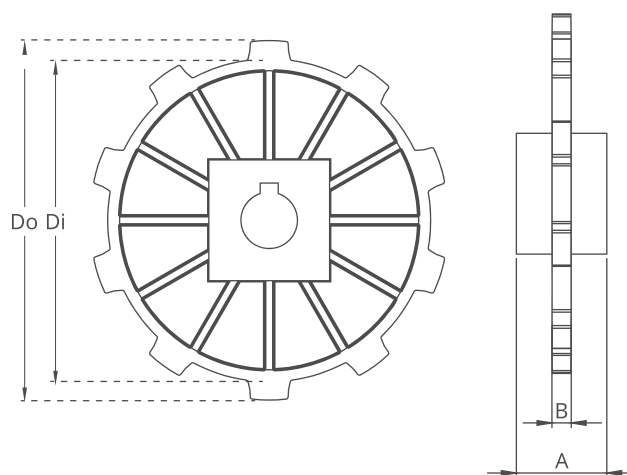
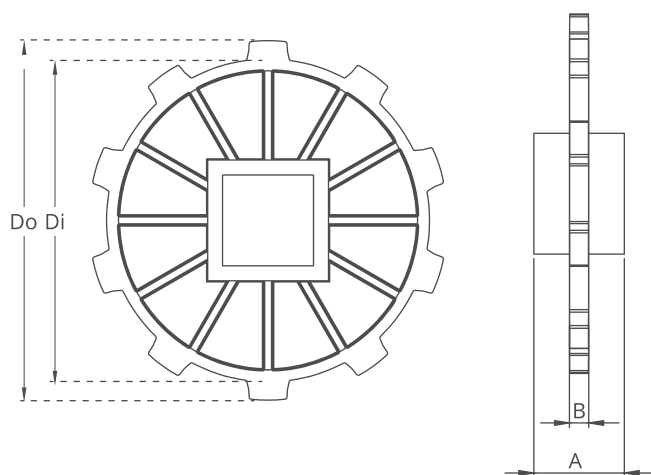
Accessories and Technical Specifications



Z8



Z10



HP508 Series / Moulded 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	107,25 / 4.22	124,5 / 4.89	8,5 / 0.33	40,0 / 1.57	40	-	-	-	HP508SQZ8*PA	HP508SRZ8*PA
Z10	142,8 / 5.62	159,0 / 6.25	8,5 / 0.33	40,0 / 1.57	40	-	-	-	HP508SQZ10*PA	HP508SRZ10*PA
Z16	242,7 / 9.55	261,2 / 10.32	8,5 / 0.33	40,0 / 1.57	60-90	-	-	-	HP508SQZ16*PA	-

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

*POM (Acetal) and PP (Polypropylene) sprockets raw material is available on request.

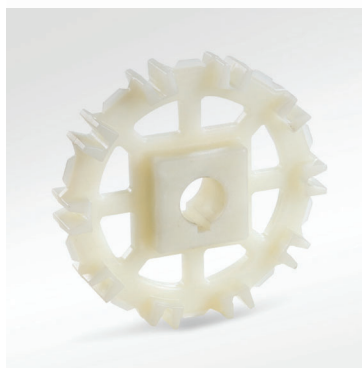
*Machined Split Sprockets are available for each size.



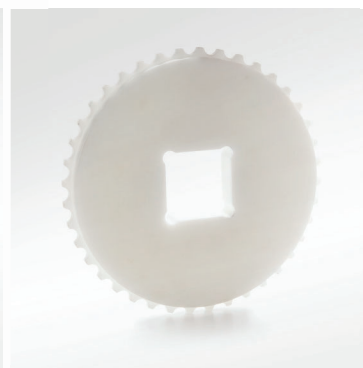
Clamp



Machined Split Sprocket



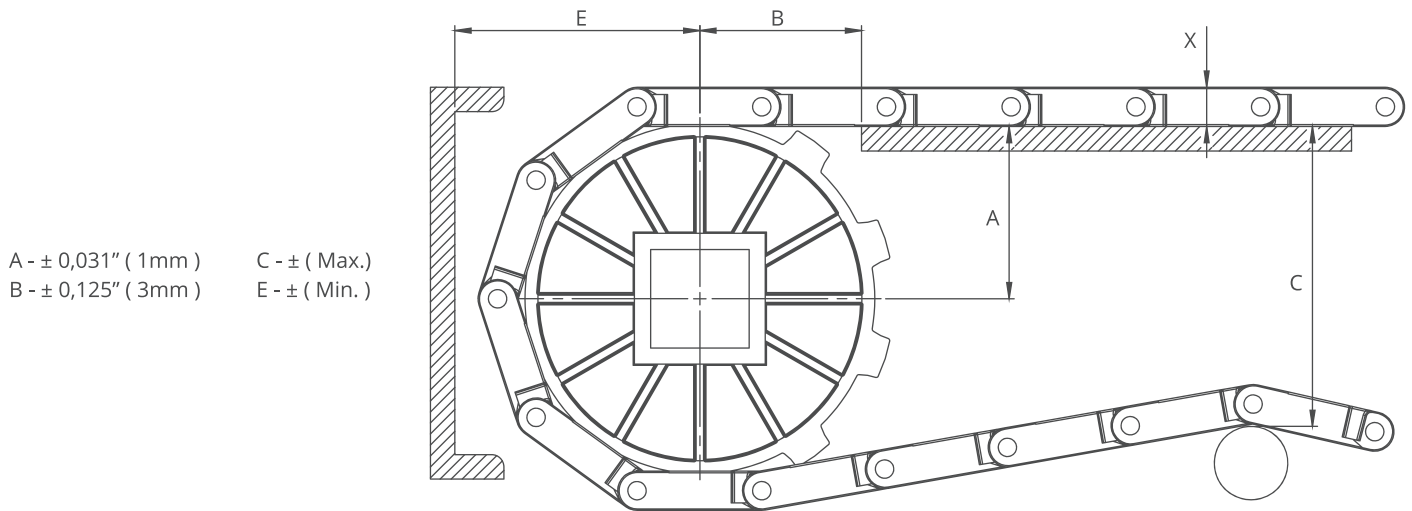
Moulded Sprocket



Machined Sprocket

HP508 Series

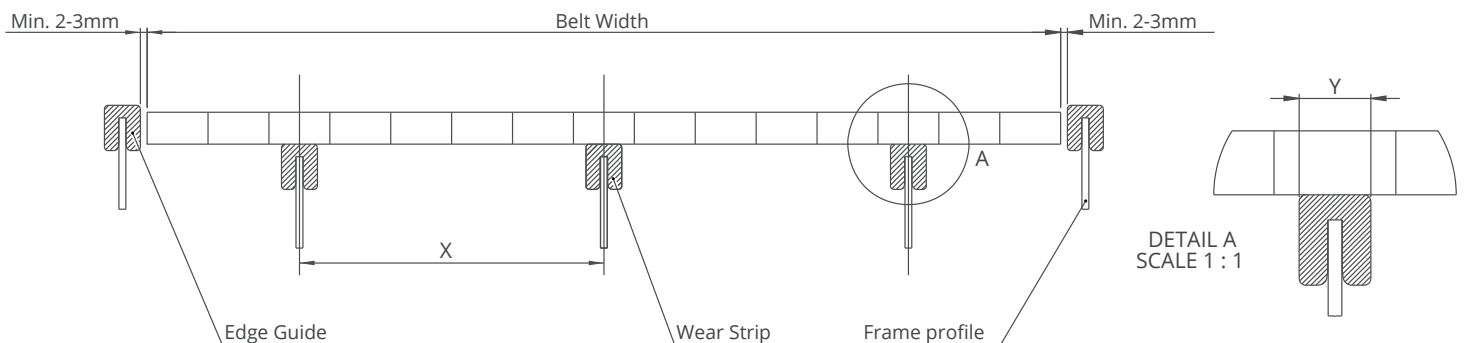
Engineering Information



HP508 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								
HP508 C, HP508 FG												
4.57	116,0	8	2.29	58,25	2.28	58,0	3.46	88,0	3.32	84,25	0.63	16,0
5.98	152,0	10	2.93	74,5	2.60	66,0	4.80	122,0	3.96	100,5	0.63	16,0
9.96	253,0	16	4.90	124,5	4.41	112,0	8.70	221,0	6.00	152,5	0.63	16,0
HP508 RR												
4.57	116,0	8	2.29	58,25	2.28	58,0	3.78	96,0	3.63	92,25	0.94	24,0
5.98	152,0	10	2.93	74,5	2.60	66,0	5.12	130,0	4.27	108,5	0.94	24,0
9.96	253,0	16	4.90	124,5	4.41	112,0	9.02	229,0	6.32	160,5	0.94	24,0

HP508 Series / Slider Support System For Straight Running Belts



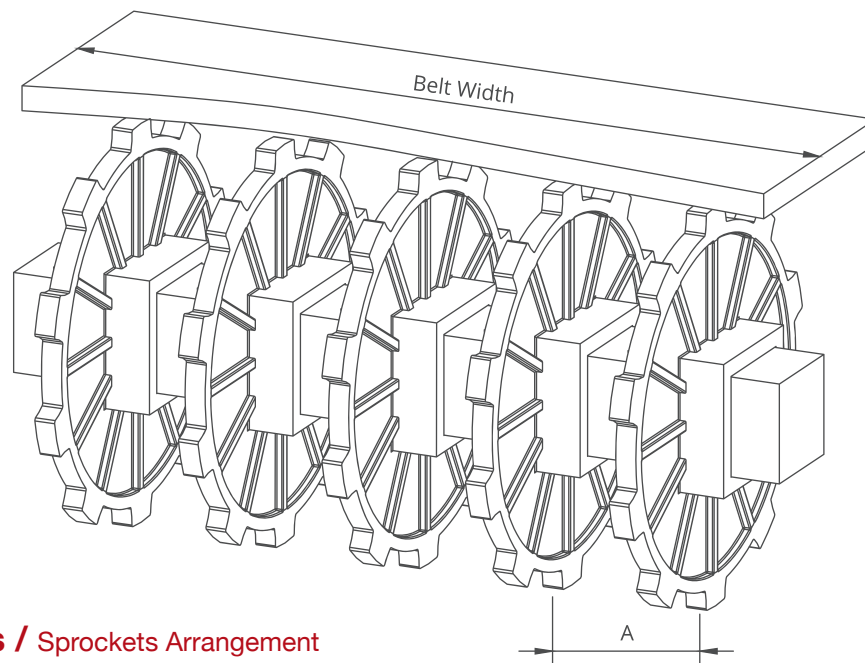
Note: The distances between the carryway wear strips (X) may be changed to due to operation conditions and transported load. In general, we recommend;

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.

HP508 Series

Engineering Information



HP508 Series / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/inch)	
mm	inch	Drive Shaft	Return Shaft	Min.	Max.
152,4	6.0	2	2	60/2.36	150/5.9
228,6	9.0	2	2	60/2.36	150/5.9
304,8	12.0	3	2	60/2.36	150/5.9
381,0	15.0	3	3	60/2.36	150/5.9
457,2	18.0	3	3	60/2.36	150/5.9
533,4	21.0	4	3	60/2.36	150/5.9
609,6	24.0	4	3	60/2.36	150/5.9
685,8	27.0	5	3	60/2.36	150/5.9
762,0	30.0	5	4	60/2.36	150/5.9
838,2	33.0	6	4	60/2.36	150/5.9
914,4	36.0	6	4	60/2.36	150/5.9
990,6	39.0	6	4	60/2.36	150/5.9
1066,8	42.0	7	5	60/2.36	150/5.9
1143,0	45.0	7	5	60/2.36	150/5.9
1219,2	48.0	8	6	60/2.36	150/5.9
1295,4	51.0	8	6	60/2.36	150/5.9
1371,6	54.0	9	6	60/2.36	150/5.9
1447,8	57.0	9	7	60/2.36	150/5.9
1524,0	60.0	9	7	60/2.36	150/5.9
1600,2	63.0	10	7	60/2.36	150/5.9
1676,4	66.0	10	8	60/2.36	150/5.9
1752,6	69.0	11	8	60/2.36	150/5.9
1828,8	72.0	12	9	60/2.36	150/5.9
1905,0	75.0	12	9	60/2.36	150/5.9
1981,2	78.0	12	9	60/2.36	150/5.9
2057,4	81.0	13	10	60/2.36	150/5.9
2133,6	84.0	14	10	60/2.36	150/5.9
2209,8	87.0	14	10	60/2.36	150/5.9
2286,0	90.0	15	11	60/2.36	150/5.9
2514,6	99.0	15	11	60/2.36	150/5.9
2743,2	108.0	16	12	60/2.36	150/5.9
2971,8	117.0	17	13	60/2.36	150/5.9
3200,4	126.0	18	14	60/2.36	150/5.9
3429,0	135.0	19	15	60/2.36	150/5.9
3657,6	144.0	20	16	60/2.36	150/5.9
3810,0	150.0	21	17	60/2.36	150/5.9

Note: Number of sprockets depends on the belt load.