



Caiyang

PRODUCT BROCHURE

Plastic Modular Belts for Corrugated Logistics Conveying

ABOUT US

Shanghai Caiyang Plastic Products Co., Ltd. is a professional manufacturer of a full range of conveying equipment and conveying accessories.

With customer-centric design, sophisticated manufacturing technology and reliable after-sales service, the company has earned wide recognition and trust from its customers.

Our self-designed and manufactured products, including plastic modular belts, plastic conveyor chains, straight running modular belts, radius modular belts, side flexible plastic chains and toothed chains, are widely applied in industries such as electronics, beverage, food, packaging, light industry, tobacco, chemical engineering, pharmaceuticals, tires, corrugated packaging and logistics.





Plastic Modular Belts for Corrugated Cardboard

Deformation-Resistant · Anti-Jam · Minimal Downtime

Deformation Resistance

Constructed from specialized anti-deformation material, ideal for high-humidity environments; non-water-absorbent and dimensionally stable.

Anti-Jam & Wear-Resistant

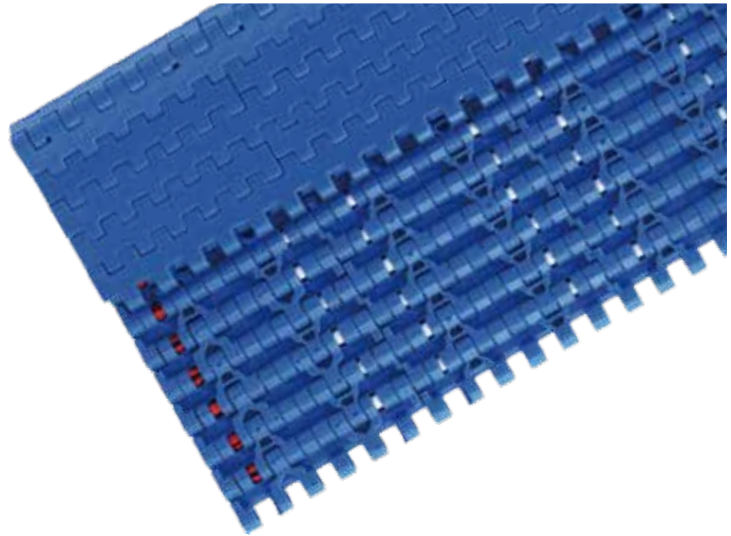
Smooth surface eliminates cardboard jams and edge scuffs, cutting down downtime and waste.

Easy Maintenance & Cost Savings

Modular quick-install design allows belt replacement in 5 minutes. Long service life reduces overall operation and maintenance costs.

CY-12701A Flat Top

Used in corrugated mass handling
corrugated board conveying



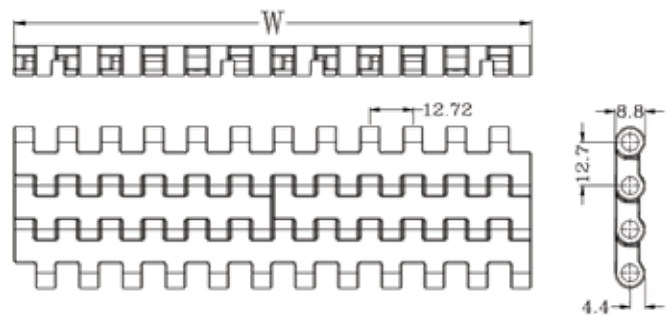
- Curve-No | Pitch 12.7 mm (0.50 in)
- 0 % Opening | Flat top
- Optimization design for end of corrugated board avoiding jam

Standard Width

The width value can be increased in multiples of 76mm (2.99")
 $W=76 \times N (N \geq 1, N \in \mathbb{Z}^+)$
 Eg. $W456=76 \times 6$ (mm)

Non-standard Width

The width value can be increased in multiples of 76mm(2.99") plus multiples of 12.72(0.5")
 $W=76 \times N + 12.72 \times N (N \geq 1, N \in \mathbb{Z}^+)$
 Eg. $W468.72\text{mm}=76 \times 6 + 12.72 \times 1$ (mm)



► Belt Dimensions

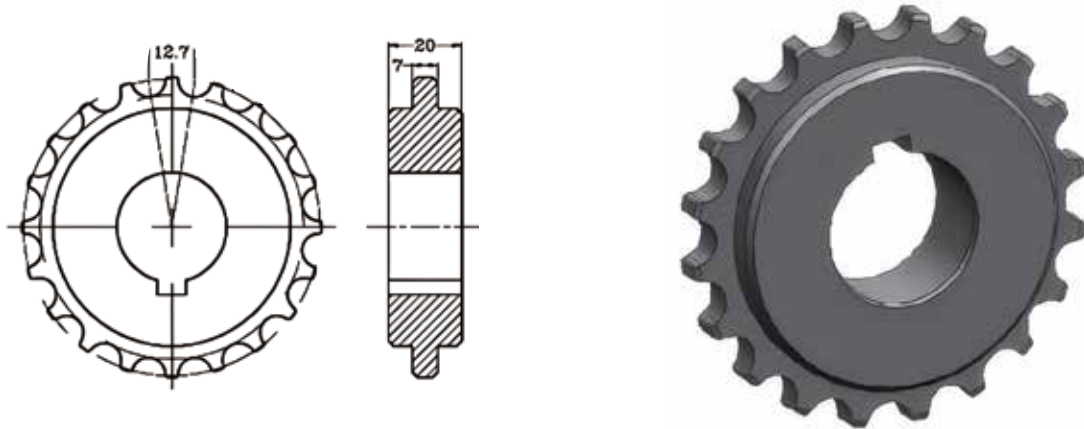
	Pitch	Thickness	Pin Ø	Width min.	Width Increment	Backflex Radius	Open Area [%]
mm	12.7	8.8	5.0	76.0	76.0	15.0	0%
in	0.50	0.35	0.20	3.00	3.00	0.60	0%

► Belt Specifications

Belt Material	Rod Material	Working Load(N/M) 21 C	Belt Weight(kg/m ²)	Temperature Range(C)
POM	Metal	17000	18.4	-40~85
	PA	19000	8.2	-40~85
	PBT	17500	8.5	-40~80
PP	PP	12000	6.0	0~100
PE	PE	8000	5.9	-45~65

Sprocket for CY-12701A

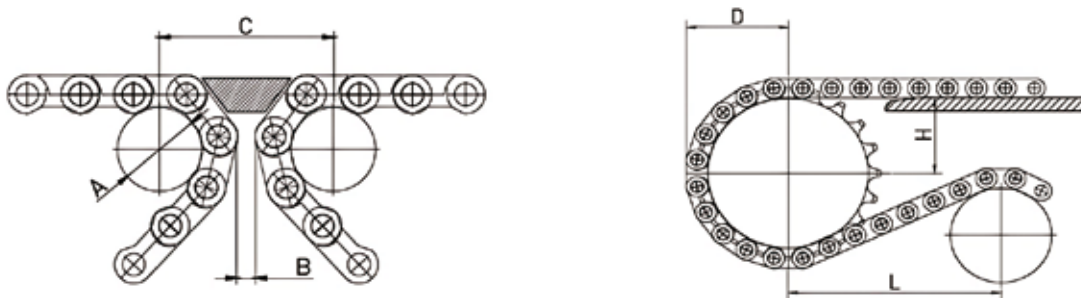
Used in corrugated mass handling, corrugated board conveying



► Sprocket Dimensions

No. of Teeth	Pitch Diameter		Outer Diameter		Hub width		Bore Dimensions			
							Round Bore		Square Bore	
	mm	in	mm	in	mm	in	mm	in	mm	in
19	78.5	3.09	79	3.11	40	1.57	30/40	1.18/1.57	38.1/40	1.5/1.57
28	115.4	4.54	116.2	4.57	40	1.57	30/40	1.18/1.57	40/60	1.57/2.36
38	156.4	6.16	157.4	6.2	40	1.57	30/40	1.18/1.57	40/60	1.57/2.36

► Installation Dimensions

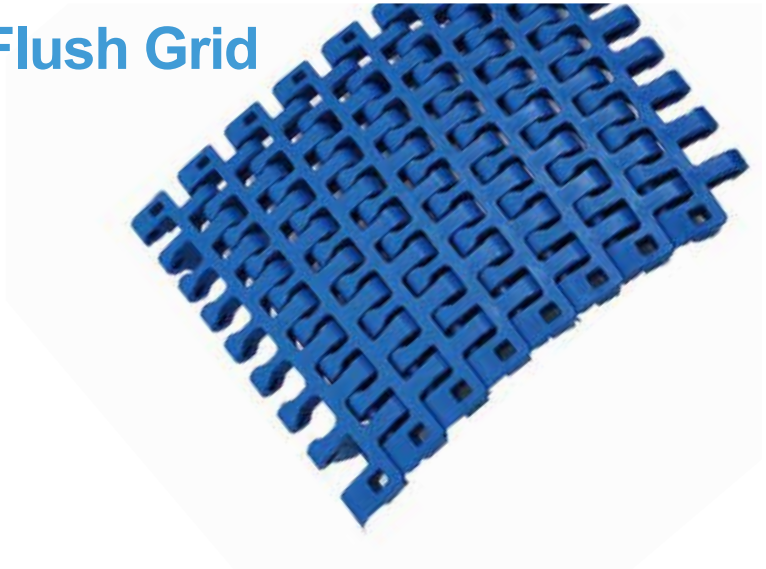


	Min. Dimensions		No. of Teeth	D Min.		H Dimensions		L Min.	
	mm	in		mm	in	mm	in	mm	in
A min	20	0.79	19	43.5	1.71	34.2	1.35	100	4
B min	4	0.16	28	62	2.44	52.8	2.08	140	5.5
C min	42	1.65	38	82.4	3.24	73.8	2.9	200	8

CY-25407W2 Radius Flush Grid

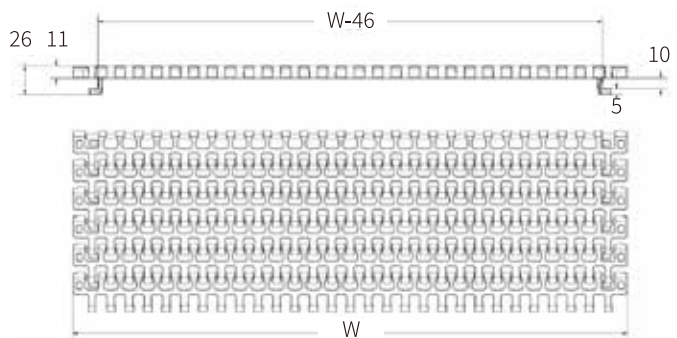
Used in corrugated mass handling
corrugated board conveying

- Curve-Yes | Pitch 25.4mm (1 in)
- 35% Opening | Turning net
- Uniform reinforcing rib design enhances the compressive strength of the modular belt.



Standard Width

The width value can be increased in multiples of 50mm (1.97")
 $W = 50 \times N (N \geq 1, N \in \mathbb{Z}^+)$
 Eg. $W400 = 50 \times 2 + 150 \times 2$ (mm)



► Belt Dimensions

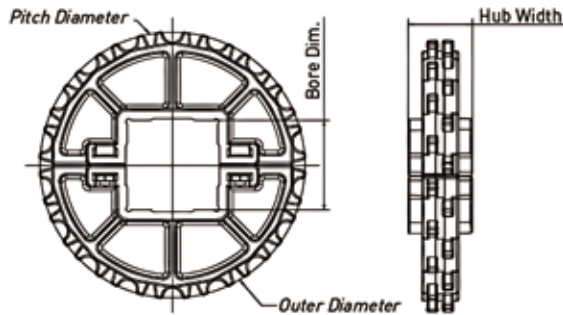
	Pitch	Thickness	Pin Ø	Width min.	Width Increment	Backflex Radius	Open Area [%]
mm	12.7	11	5.0	50.0	76.0	30.0	35%
in	1	0.4	0.20	3.00	2.00	1.20	35%

► Belt Specifications

Belt Material	Rod Material	Working Load(N/M) 21 C	Belt Weight(kg/m ²)	Temperature Range (C)
POM	PA	32000	12	-40~85
PP	PA	23000	8.1	0~100
PE	PE	16000	7.2	-60~60

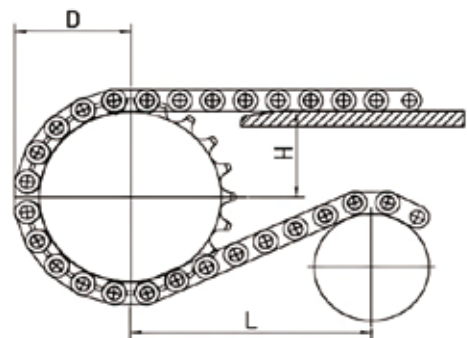
Sprocket for CY-25407W2

Used in corrugated mass handling, corrugated board conveying



► Sprocket Dimensions

No. of Teeth		Pitch Diameter		Outer Diameter		Hub width		Bore Dimensions			
		mm	in	mm	in	mm	in	Round Bore		Square Bore	
8	United Type	66.7	2.63	66.8	2.63	20	0.79	25	0.98	-	-
10	United Type	82.5	3.25	82.6	3.25	30	1.18	30	1.18	40	1.57
11	United Type	90.2	3.55	90.60	3.57	30	1.18	25	0.98	-	-
12	United Type	98.1	3.86	98.2	3.87	30	1.18	-	-	40	1.57
15	United Type	122.2	4.81	123.2	4.9	30	1.18	-	-	40/50	1.57/1.97
15	Split Type	122.2	4.81	123.2	4.9	25	0.98	30	1.18	40/50	1.57/1.97
16	United Type	130.2	5.13	133	5.24	30	1.18	30	1.18	40/50	1.57/1.97
18	United Type	146.3	5.76	147.6	5.81	30	1.18	40	1.57	40/50/60/70	1.57/1.97/2.36/2.76
18	Split Type	146.3	5.76	147.6	5.81	35	1.38	-	-	40/50/60	1.57/1.97/2.36
20	United Type	162.4	6.39	164	6.46	30	1.38	-	-	40/50/60/70	1.57/1.97/2.36/2.76
21	UnitedType	170.4	6.69	172.5	6.79	30	1.18	-	-	40/50/60	1.57/1.97/2.36

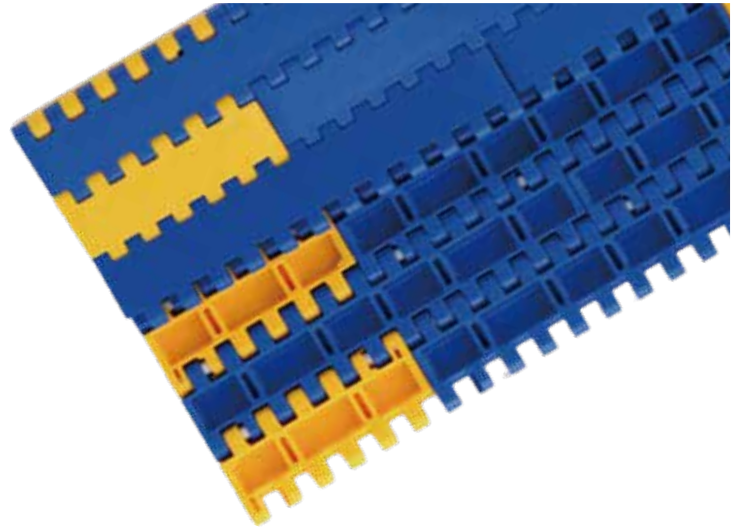


► Installation Dimensions

No. of Teeth	D Min.		H Dimensions		L Min.	
	mm	in	mm	in	mm	in
8	36.5	1.44	26.5	1.04	125	5
10	46.5	1.83	35.5	1.40	150	6
11	50.0	1.97	40.0	1.57	150	6
12	54.2	2.13	43.6	1.72	200	8
15	66.6	2.62	55.6	2.19	225	9
16	70.1	2.76	60.1	2.37	225	9
18	78.2	3.08	67.2	2.64	250	10
20	86.3	3.40	75.4	2.97	300	12
21	91.0	3.58	79.6	3.13	300	12

CY-25409A Flat Top

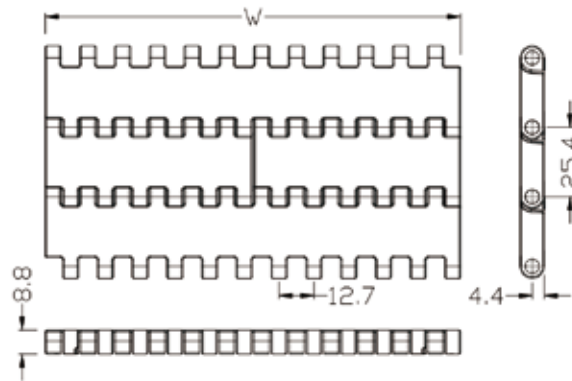
Used in mass handling
corrugated board conveying



- Curve-No | Pitch25.4mm(1in)
- 0% Opening | Flat Top
- With excellent flatness, precision machining, and a low-friction fully enclosed surface, there are no gaps between modules even during sprocket meshing, making it ideally suited for corrugated board conveying.

Standard Width

The width value can be increased in multiples of 76mm (2.99")
 $W=76 \times N(N \geq 1, N \in \mathbb{Z}^+)$
 Eg. $W456=76 \times 6(\text{mm})$



► Belt Dimensions

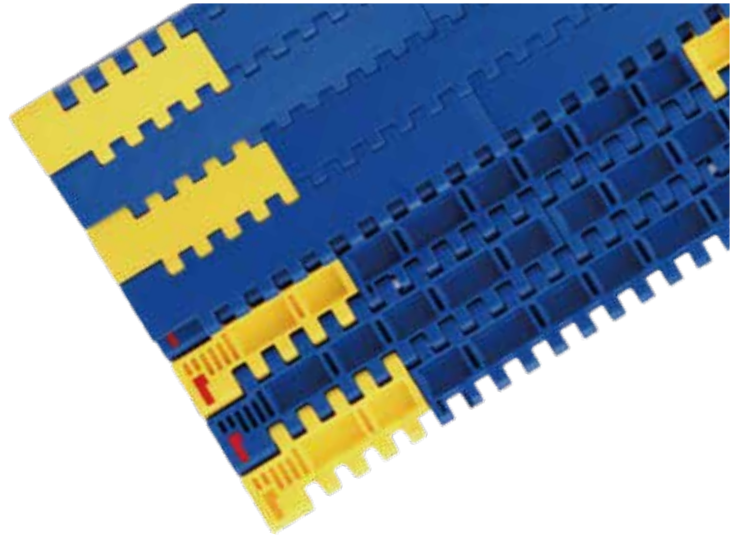
	Pitch	Thickness	Pin Ø	Width min.	Width Increment	Backflex Radius	Open Area [%]
mm	25.4	8.8	5.0	76.0	76.0	40	0%
in	1.00	0.35	0.20	3.00	3.00	1.57	0%

► Belt Specifications

Belt Material	Rod Material	Working Load(N/M) 21 C	Belt Weight(kg/m ²)	Temperature Range(C)
POM	Metal	35000	13.8	- 40~85
	PA	32000	8.4	- 40~85
	PBT	32000	8.7	- 40~85
PP	PP	17000	5.4	0~100
PE	PE	15000	5.9	- 60~60

CY-25409A1 Flat Top

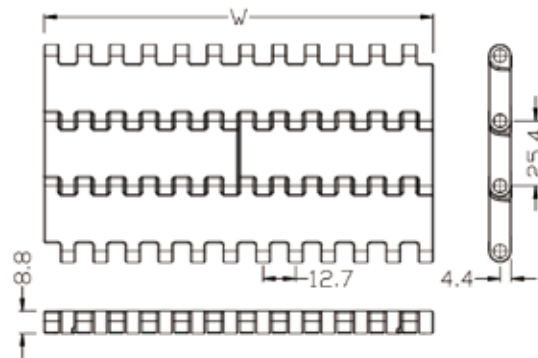
Used in mass handling
corrugated board conveying



- Curve-No | Pitch Pitch25.4mm(1in)
- 0% Opening | Flat Top
- The arc-shaped surface minimizes noise during sprocket meshing. The reinforced edge design addresses the issue of edge vulnerability. The plug-type stopper design enables quick disassembly and assembly.

Standard Width

The width value can be increased in multiples of 76mm (2.99")
 $W=76 \times N (N \geq 1, N \in \mathbb{Z}^+)$
 Eg. $W456=76 \times 6$ (mm)



► Belt Dimensions

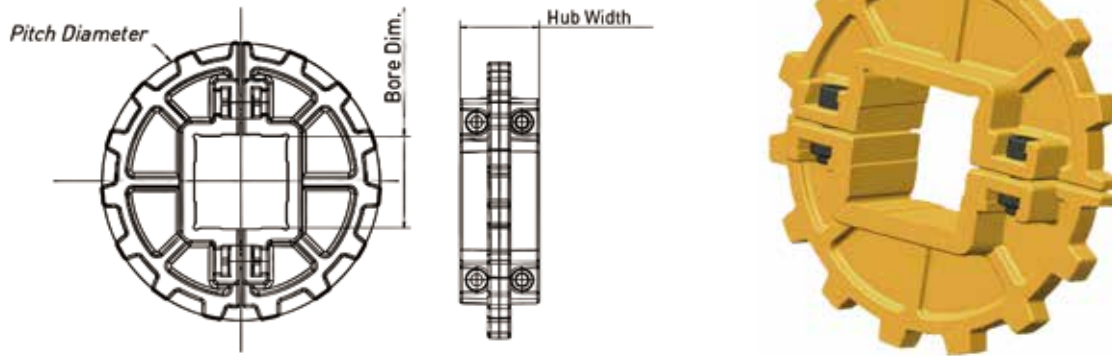
	Pitch	Thickness	Pin Ø	Width min.	Width Increment	Backflex Radius	Open Area [%]
mm	25.4	8.8	5.0	76.0	76.0	40	0%
in	1.00	0.35	0.20	3.00	3.00	1.57	0%

► Belt Specifications

Belt Material	Rod Material	Working Load(N/M) 21 C	Belt Weight(kg/m ²)	Temperature Range(C)
POM	Metal	37000	14	- 40~85
	PA	34000	8.6	- 40~85
	PBT	34000	9.0	- 40~85
PP	PP	19000	5.5	0~100
PE	PE	17000	5.8	- 45~65

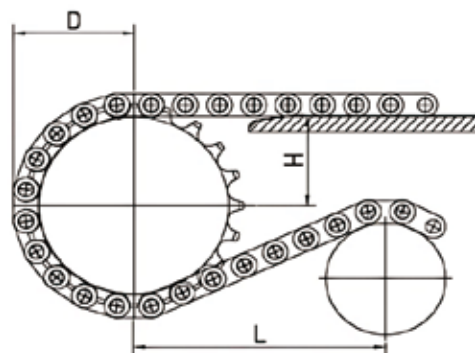
Sprocket for CY-25409A/A1

Used in mass handling, corrugated board conveying



► Sprocket Dimensions

No. of Teeth		Pitch Diameter		Outer Diameter		Hub width		Bore Dimensions			
		mm	in	mm	in	mm	in	Round Bore		Square Bore	
								mm	in	mm	in
12	United Type	98.1	3.86	96.8	3.81	25	0.98	-	-	40	1.57
15	United Type	122.2	4.81	121.5	4.78	30	1.18	-	-	40/50	1.57/1.97
15	Split Type	122.2	4.81	121.5	4.78	35	1.38	-	-	40	1.57
18	United Type	146.3	5.76	146.1	5.75	25	0.98	40	1.57	40/50/60	1.57/1.97/2.36
18	Split Type	146.3	5.76	146.1	5.75	38	0.98	40	1.57	40/50/60	1.57/1.97/2.36
19	Split Type	154.2	6.07	154.3	6.07	38	1.5	-	-	60	2.36
20	United Type	162.4	6.39	163.6	6.44	25	0.98	-	-	50/60/70	1.97/2.36/2.76
21	Split Type	170.4	6.7	170.8	6.72	35	1.38	-	-	40/60	1.57/2.36



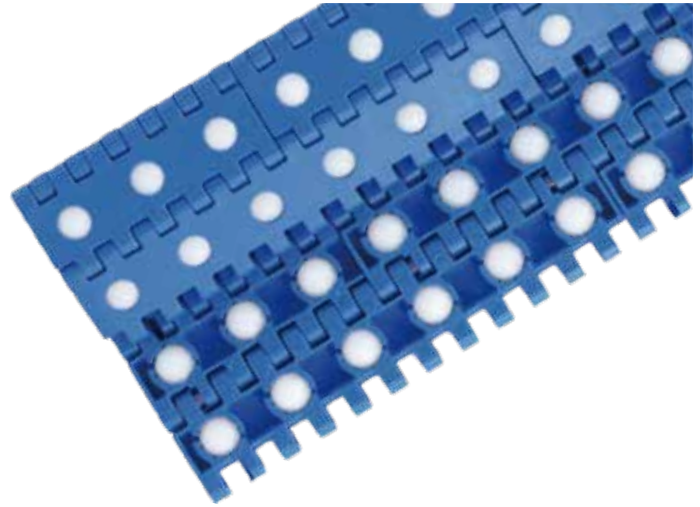
► Installation Dimensions

No. of Teeth	D Min.		H Dimensions		L Min.	
	mm	in	mm	in	mm	in
12	54	2.13	44	1.73	150	6
15	66	2.6	56	2.2	200	8
18	78	3.07	68	2.68	250	10
19	82	3.23	72	2.86	250	10
20	86	3.39	76	2.99	250	10
21	90	3.54	80	3.15	300	12

CY-25409Q Flat Top

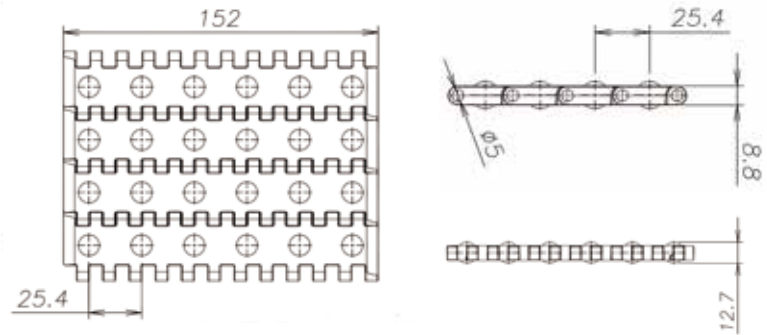
Used in mass handling
corrugated board conveying

- Curve-No | Pitch 25.4mm (1 in)
- 0% Opening | Flat Top
- Centrally embedded balls in modular belt segments allow easy directional change during cardboard transport. Embedded via modular belt thermal expansion to ensure durability and prevent detachment.



Standard Width

The width value can be increased in multiples of 76mm (2.99")
 $W=76 \times N (N \geq 1, N \in \mathbb{Z}^+)$
 Eg. W456=76×6(mm)



► Belt Dimensions

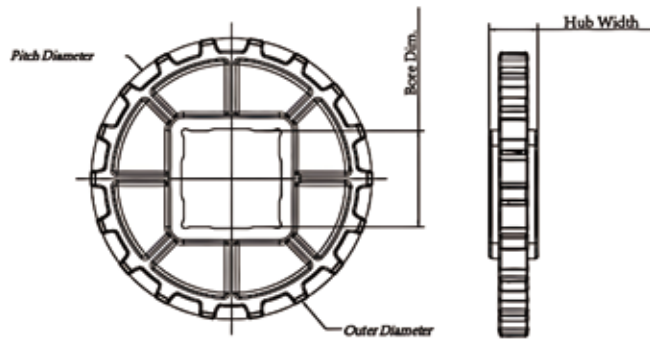
	Pitch	Thickness	Pin Ø	Width min.	Width Increment	Backflex Radius	Open Area [%]
mm	25.4	12.7	5	76.0	76.0	30	0%
in	1.00	0.50	0.20	3.00	3.00	1.18	0%

► Belt Specifications

Belt Material	Rod Material	Working Load(N/M) 21 C	Belt Weight(kg/m ²)	Temperature Range(C)
POM	Metal	37000	12.6	- 40~85
	PA	34000	7.2	- 40~85
	PBT	34000	7.5	- 40~85
PP	PP	19000	5.1	0~100

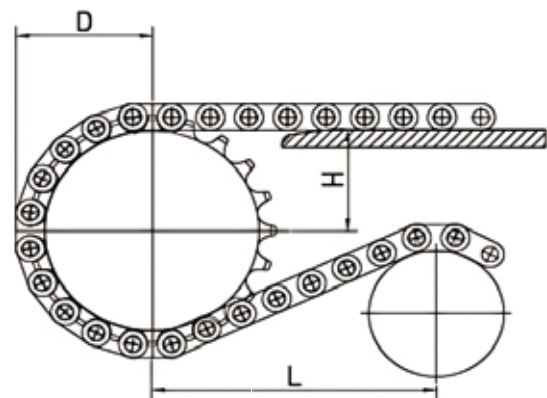
Sprocket for CY-25409Q

Used in mass handling, corrugated board conveying



► Sprocket Dimensions

No. of Teeth		Pitch Diameter		Outer Diameter		Hub width		Bore Dimensions			
		mm	in	mm	in	mm	in	Round Bore		Square Bore	
								mm	in	mm	in
12	United Type	98.1	3.86	96.8	3.81	25	0.98	-	-	40	1.57
12	Split Type	98.1	3.86	96.8	3.81	35	0.98	-	-	40	1.57
18	United Type	146.3	5.76	146.1	5.75	25	0.98	40	1.57	40/50/60	1.57/1.97/2.36
18	Split Type	146.3	5.76	146.1	5.75	35	0.98	40	1.57	40/50/60	1.57/1.97/2.36
20	United Type	162.4	6.39	163.6	6.44	25	0.98	-	-	50/60/70	1.97/2.36/2.76
20	Split Type	162.4	6.39	163.6	6.44	35	0.98	-	-	50/60/70	1.97/2.36/2.76



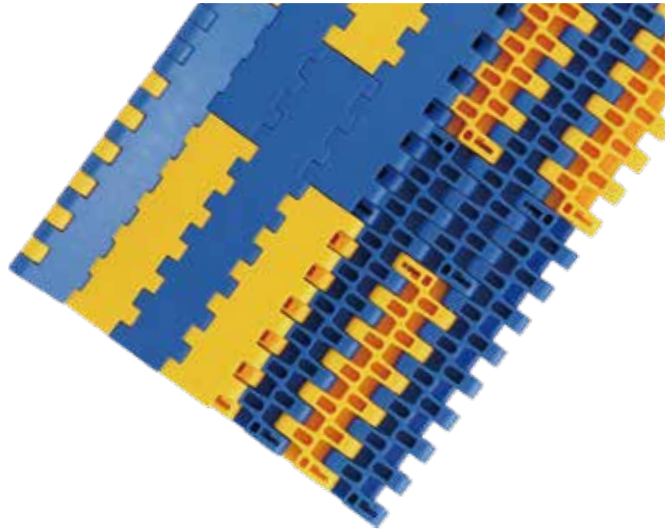
► Installation Dimensions

No. of Teeth	D Min.		H Dimensions		L Min.	
	mm	in	mm	in	mm	in
12	54	2.13	44	1.73	150	6
18	78	3.07	68	2.68	250	10
20	86	3.39	76	2.99	250	10

CY-254010A Flat Top

Used in mass handling
corrugated board conveying

- Curve-No | Pitch 25.4mm (1 in)
- 0% Opening | Flat Top
- Uniform reinforcing rib design enhances the compressive strength of the modular belt.

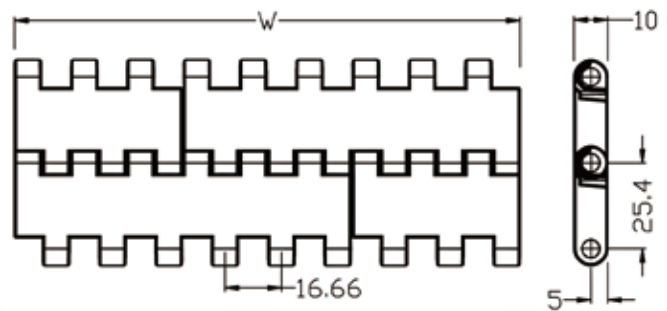


Standard Width

The width value can be increased in multiples of 50mm (1.97")
 $W=50 \times N (N \geq 1, N \in \mathbb{Z}^+)$
 Eg. $W300=50 \times 6(\text{mm})$

Non-standard Width

The width value can be increased in multiples of 50mm (1.97") plus multiples of 16.67(0.656")
 $W=50 \times N + 16.67 \times M (N \geq 1, N \in \mathbb{Z}^+)$
 Eg. $W316.67\text{mm}=50 \times 6 + 16.67 \times 1(\text{mm})$



► Belt Dimensions

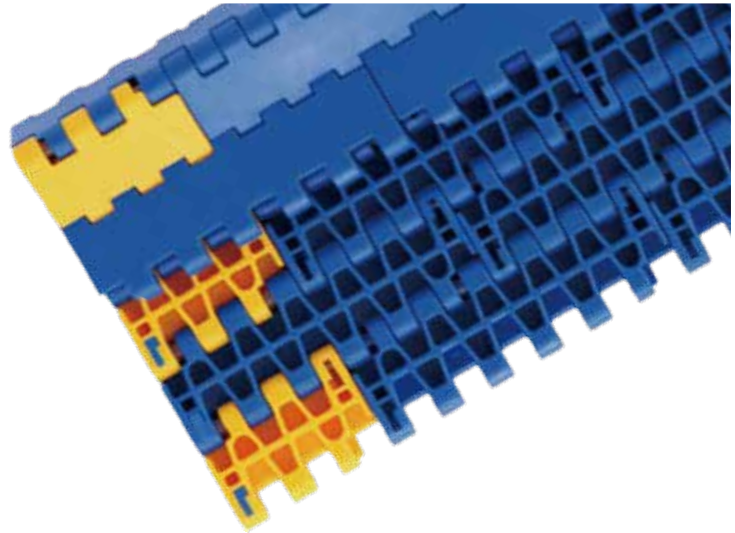
	Pitch	Thickness	Pin Ø	Width min.	Width Increment	Backflex Radius	Open Area [%]
mm	25.4	10	5	49.6	49.6	25	0%
in	1.00	0.39	0.20	1.95	1.95	0.98	0%

► Belt Specifications

Belt Material	Rod Material	Working Load(N/M) 21 C	Belt Weight(kg/m ²)	Temperature Range(°C)
POM	Metal	37000	14.5	- 40~85
	PA	33500	9.3	- 40~85
	PBT	33500	9.6	- 40~85
PP	PP	20000	6.9	0~100
PE	PE	12000	7.1	- 45~65

CY-254011A Flat Top

Used in mass handling
corrugated board conveying



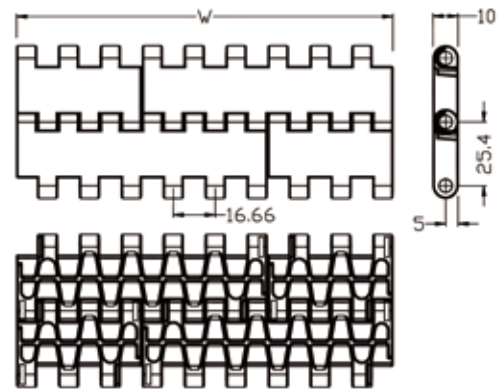
- Curve-No | Pitch 25.4mm (1 in)
- 0 % Opening | Flat top
- The uniform arrangement of reinforcing ribs improves the modular belt's compressive strength

Standard Width

The width value can be increased in multiples of 50mm (1.97")
 $W=49.6 \times N (N \geq 1, N \in \mathbb{Z}^+)$
 Eg. $W297.6=49.6 \times 6$ (mm)

Non-standard Width

The width value can be increased in multiples of 50mm (1.97") plus multiples of 16.67(0.656")
 $W=49.6 \times N + 16.67 \times M (N \geq 1, N \in \mathbb{Z}^+)$
 Eg. $W314.27\text{mm}=49.6 \times 6 + 16.67 \times 1$ (mm)



► Belt Dimensions

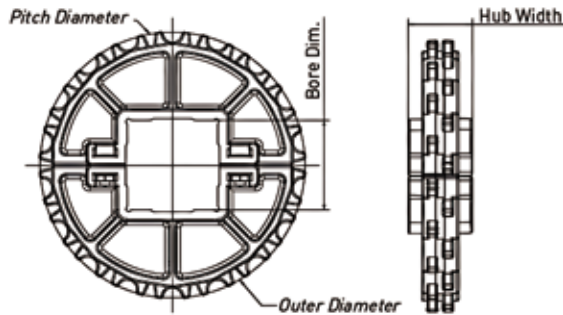
	Pitch	Thickness	Pin Ø	Width min.	Width Increment	Backflex Radius	Open Area [%]
mm	25.4	10	5	49.6	49.6	25	0%
in	1.00	0.39	0.20	1.95	1.95	0.98	0%

► Belt Specifications

Belt Material	Rod Material	Working Load(N/M) 21 C	Belt Weight(kg/m ²)	Temperature Range(C)
POM	Metal	36500	13.3	- 40~85
	PA	33000	8.2	- 40~85
	PBT	33000	8.5	- 40~85
PP	PP	19500	6	0~100
PE	PE	11000	6.2	- 45~65

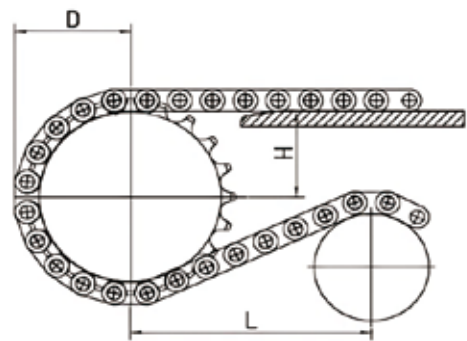
Sprocket for CY-254010A/11A

Used in mass handling, corrugated board conveying



► Sprocket Dimensions

No. of Teeth		Pitch Diameter		Outer Diameter		Hub width		Bore Dimensions			
		mm	in	mm	in	mm	in	Round Bore		Square Bore	
		mm	in	mm	in	mm	in	mm	in	mm	in
8	United Type	66.7	2.63	66.8	2.63	20	0.79	25	0.98	-	-
10	United Type	82.5	3.25	82.6	3.25	30	1.18	30	1.18	40	1.57
11	United Type	90.2	3.55	90.60	3.57	30	1.18	25	0.98	-	-
12	United Type	98.1	3.86	98.2	3.87	30	1.18	-	-	40	1.57
15	United Type	122.2	4.81	123.2	4.9	30	1.18	-	-	40/50	1.57/1.97
15	Split Type	122.2	4.81	123.2	4.9	25	0.98	30	1.18	40/50	1.57/1.97
16	United Type	130.2	5.13	133	5.24	30	1.18	30	1.18	40/50	1.57/1.97
18	United Type	146.3	5.76	147.6	5.81	30	1.18	40	1.57	40/50/60/70	1.57/1.97/2.36/2.76
18	Split Type	146.3	5.76	147.6	5.81	35	1.38	-	-	40/50/60	1.57/1.97/2.36
20	United Type	162.4	6.39	164	6.46	30	1.38	-	-	40/50/60/70	1.57/1.97/2.36/2.76
21	UnitedType	170.4	6.69	172.5	6.79	30	1.18	-	-	40/50/60	1.57/1.97/2.36



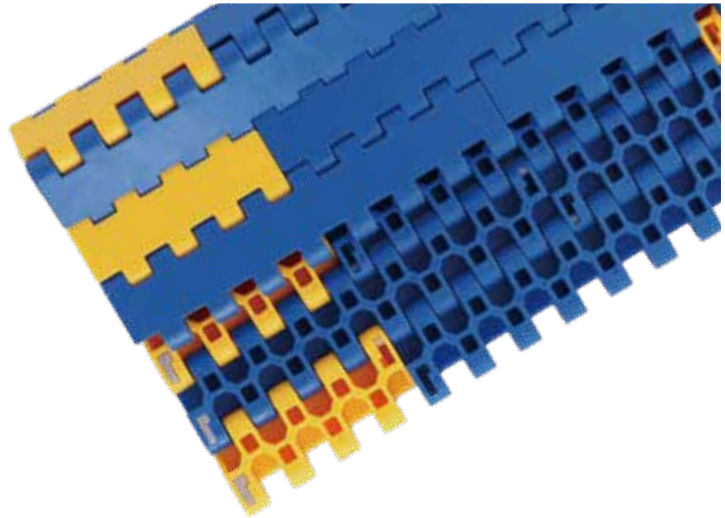
► Installation Dimensions

No. of Teeth	D Min.		H Dimensions		L Min.	
	mm	in	mm	in	mm	in
8	36.5	1.44	26.5	1.04	125	5
10	46.5	1.83	35.5	1.40	150	6
11	50.0	1.97	40.0	1.57	150	6
12	54.2	2.13	43.6	1.72	200	8
15	66.6	2.62	55.6	2.19	225	9
16	70.1	2.76	60.1	2.37	225	9
18	78.2	3.08	67.2	2.64	250	10
20	86.3	3.40	75.4	2.97	300	12
21	91.0	3.58	79.6	3.13	300	12

CY-254012A Flat Top

Used in mass handling
corrugated board conveying

- Curve-No | Pitch 25.4mm (1 in)
- 0 % Opening | Flat top
- Robust hinge design ensures high mechanical strength for the most demanding applications. Optimized edge geometry and seamless hinges enable excellent product handling during linear transport. Uniformly placed reinforcing ribs enhance the modular belt's compressive strength, with flexible arrangement of sprocket positions.



Standard Width

The width value can be increased in multiples of 75mm (2.95")

$$W=75 \times N (N \geq 1, N \in \mathbb{Z}^+)$$

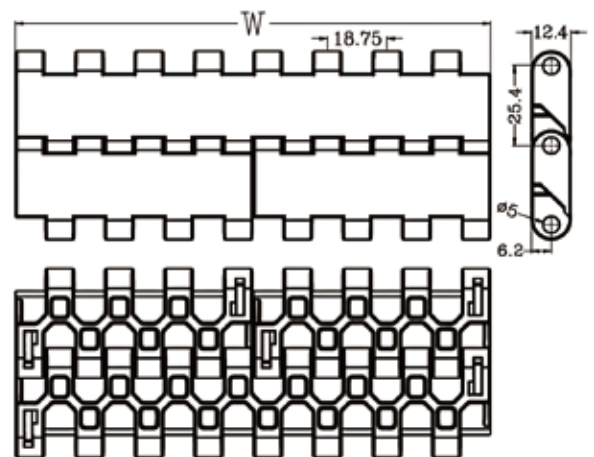
Eg. W600=75*8(mm)

Non - standard Width

The width value can be increased in multiples of 75mm (2.95") plus multiples of 18.75(0.738")

$$W=75 \times N + 18.75 \times N (N \geq 1, N \in \mathbb{Z}^+)$$

Eg. W637.5mm=75*8+18.75*2(mm)



► Belt Dimensions

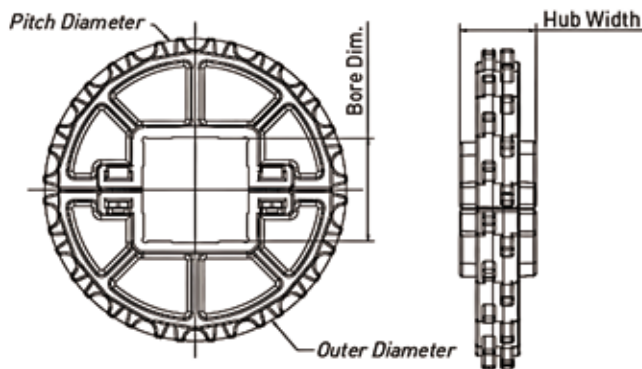
	Pitch	Thickness	Pin Ø	Width min.	Width Increment	Backflex Radius	Open Area [%]
mm	25.4	12.4	5	75	75	25	0%
in	1.00	0.49	0.20	2.95	2.95	0.98	0%

► Belt Specifications

Belt Material	Rod Material	Working Load(N/M) 21 C	Belt Weight(kg/m ²)	Temperature Range(C)
POM	Metal	38000	15.9	- 40~85
	PA	35500	10.7	- 40~85
	PBT	35500	11	- 40~85
PP	PP	21500	7.7	0~100
PE	PE	12000	8.1	- 45~65

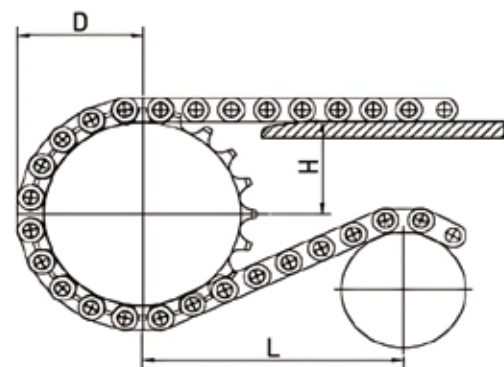
Sprocket for CY-254012A

Used in mass handling, corrugated board conveying



► Sprocket Dimensions

No. of Teeth		Pitch Diameter		Outer Diameter		Hub width		Bore Dimensions			
								Round Bore		Square Bore	
		mm	in	mm	in	mm	in	mm	in	mm	in
12	United Type	98.1	3.86	98.2	3.87	30	1.18	30	1.18	40	1.57
16	United Type	130.2	5.13	133	5.24	30	1.18	30	1.18	40	1.57
18	United Type	146.3	5.76	147.6	5.81	30	1.18	40	1.57	40/50/	1.57/1.97
18	Split Type	146.3	5.76	147.6	5.81	35	1.38	40	1.57	40/50/60	1.57/1.97/2.36
21	United Type	170.4	6.39	174.6	6.87	30	1.18	-	-	40/50/60	1.57/1.97/2.36



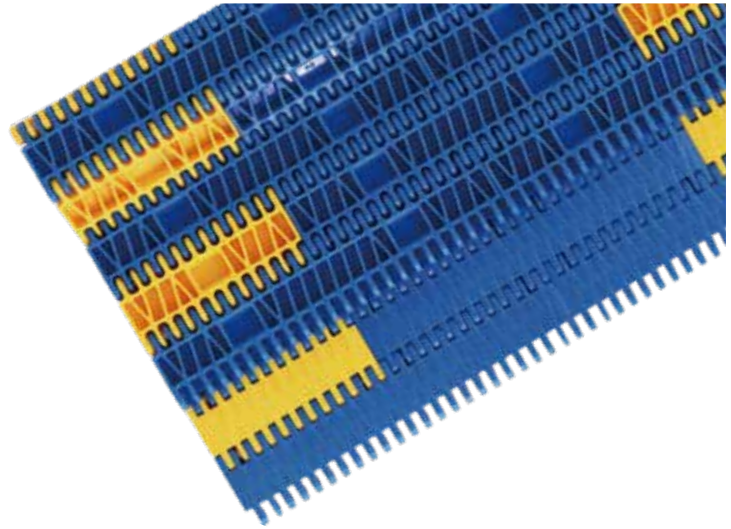
► Installation Dimensions

No. of Teeth	D Min.		H Dimensions		L Min.	
	mm	in	mm	in	mm	in
12	54.2	2.13	43.6	1.72	200	8
16	72.2	2.84	58	2.28	200	8
18	80.6	3.08	66	2.6	250	10
21	92.5	3.64	78	3.07	300	12

CY-254013A Flat -Y Top

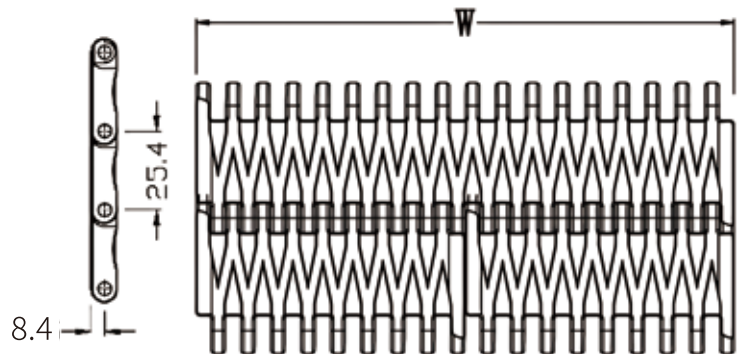
Used in mass handling
corrugated board conveying

- Curve-No | Pitch 25.4mm (1 in)
- 0 % Opening | Flat top
- Increased reinforcing ribs with reduced thickness lower self-weight while maintaining tensile strength.
The herringbone pattern on the surface (Y-Top) enhances friction, ensuring safety when personnel walk on the modular belt.



Standard Width

The width value can be increased in multiples of 76.2mm (3")
 $W=76.2 \times N (N \geq 1, N \in \mathbb{Z}^+)$
 Eg. $W457.2=76.2 \times 6(\text{mm})$



► Belt Dimensions

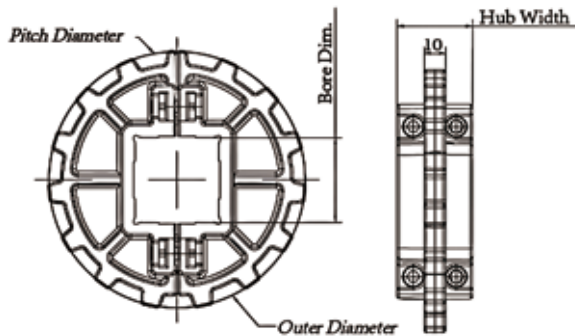
	Pitch	Thickness	Pin Ø	Width min.	Width Increment	Backflex Radius	Open Area [%]
mm	25.4	8.4	4	76.2	76.2	25	0%
in	1.00	0.33	0.16	3.00	3.00	0.98	0%

► Belt Specifications

Belt Material	Rod Material	Working Load(N/M) 21 C	Belt Weight(kg/m ²)	Temperature Range(C)
POM	Metal	33000	10.1	- 40~85
	PA	30000	6.7	- 40~85
	PBT	33000	7	- 40~85
PP	PP	22000	5	0~100

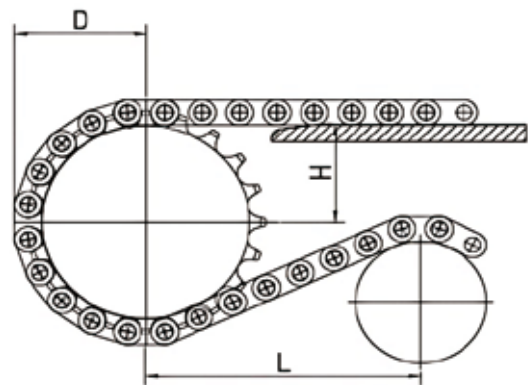
Sprocket for CY-254013A

Used in mass handling, corrugated board conveying



► Sprocket Dimensions

No. of Teeth	Pitch Diameter		Outer Diameter		Hub width		Bore Dimensions			
	mm	in	mm	in	mm	in	Round Bore		Square Bore	
12	98.1	3.86	96.8	3.81	25	0.98	-	-	40	1.57
15	122.2	4.81	121.5	4.78	30	1.18	-	-	40/50	1.5/1.97
18	146.3	5.76	146.1	5.75	25	0.98	40	1.57	40/50/60	1.57/1.97
20	162.4	6.39	163.6	6.44	25	0.98	-	-	50/60/70	1.97/2.36/2.76
15 Split Type	122.2	4.81	121.5	4.78	35	1.38	-	-	40	1.57
19 Split Type	154.2	5.76	154.3	5.75	38	1.5	-	-	60	2.36
21 Split Type	170.4	6.7	170.8	6.72	35	1.38	-	-	40/60	1.57/2.36



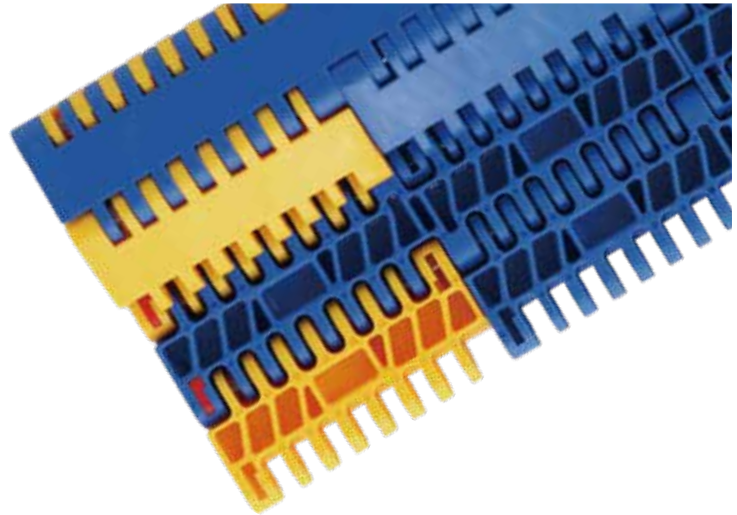
► Installation Dimensions

No. of Teeth	D Min.		H Dimensions		L Min.	
	mm	in	mm	in	mm	in
12	54	2.13	44	1.73	150	6
15	66	2.6	56	2.2	200	8
18	78	3.07	68	2.68	250	10
19	82	3.23	72	2.83	250	10
20	86	3.39	76	2.99	250	10
21	90	3.54	80	3.15	300	12

CY-254014A Flat Top

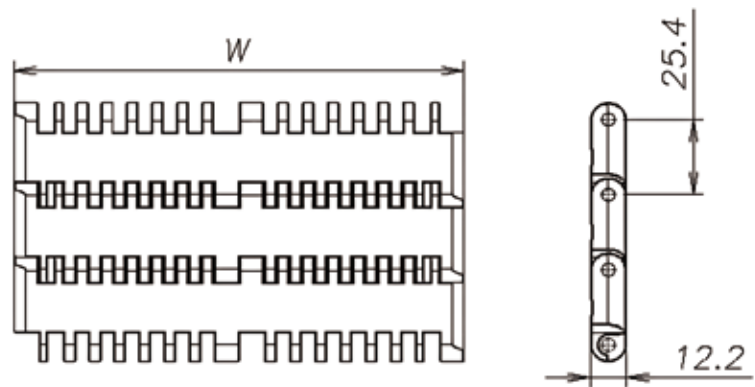
Used in mass handling
corrugated board conveying

- Curve-No | Pitch 25.4mm (1 in)
- 0 % Opening | Flat top
- Robust hinge design ensures high mechanical strength for the most demanding applications. Optimized edge geometry and seamless hinges enable excellent product handling during linear transport.



Standard Width

The width value can be increased in multiples of 76.2mm (3")
 $W=76.2 \times N (N \geq 1, N \in \mathbb{Z}^+)$
 Eg. $W457.2=76.2 \times 6(\text{mm})$



► Belt Dimensions

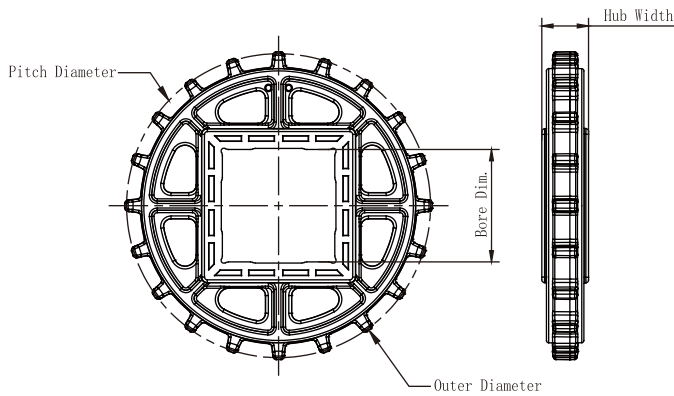
	Pitch	Thickness	Pin Ø	Width min.	Width Increment	Backflex Radius	Open Area [%]
mm	25.4	12.2	5	76.2	76.2	25	0%
in	1.00	0.48	0.2	3.00	3.00	0.98	0%

► Belt Specifications

Belt Material	Rod Material	Working Load(N/M) 21 C	Belt Weight(kg/m ²)	Temperature Range(C)
POM	Metal	39200	16.3	- 40~85
	PA	36000	11.1	- 40~85
	PBT	36000	11.4	- 40~85
PP	PP	21500	7.8	0~100

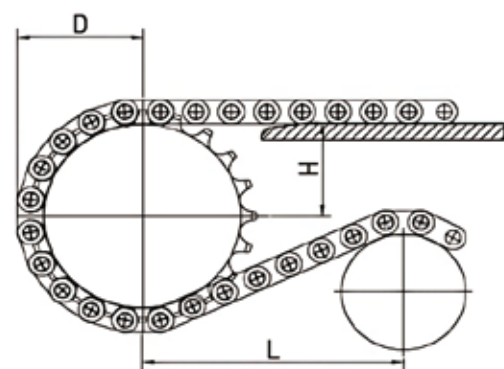
Sprocket for CY-254014A

Used in mass handling, corrugated board conveying



► Sprocket Dimensions

No. of Teeth		Pitch Diameter		Outer Diameter		Hub width		Bore Dimensions			
								Round Bore		Square Bore	
		mm	in	mm	in	mm	in	mm	in	mm	in
12	United Type	98.1	3.86	98.2	4.17	40	1.57	55	2.17	-	-
13	United Type	105	4.13	106	4.17	40	1.57	-	-	40	1.57
15	United Type	122.2	4.81	125.5	4.94	40	1.57				
20	United Type	160.4	6.31	164.4	6.47	40	1.57	40	1.57	50/70	1.97/2.76
21	United Type	170.4	6.39	174.6	6.87	40	1.57	-	-	40/50/60	1.57/1.97/2.36



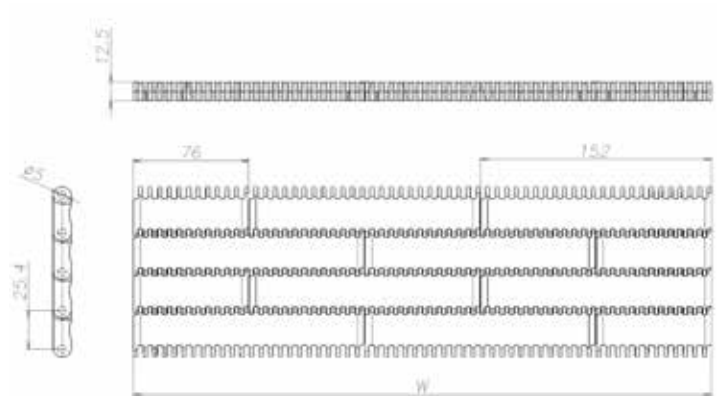
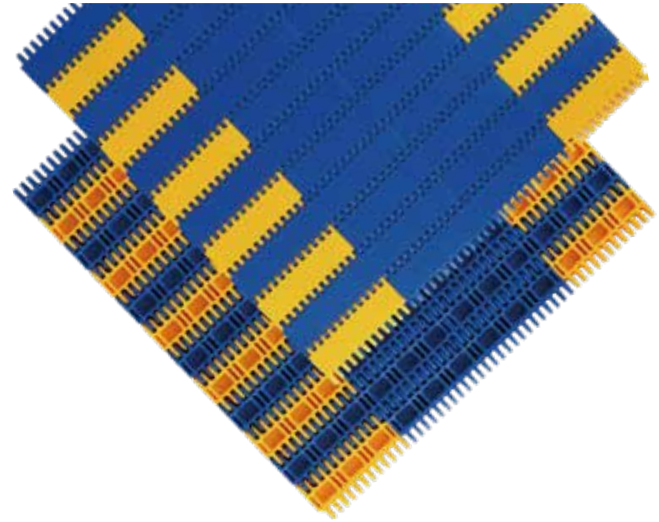
► Installation Dimensions

No. of Teeth	D Min.		H Dimensions		L Min.	
	mm	in	mm	in	mm	in
12	54.2	2.13	43.6	1.72	150	6
13	59	2.32	46	1.81	150	6
15	80.6	3.08	66	2.6	250	10
20	86.5	3.4	46	1.84	250	10
21	92.5	3.64	78	3.07	300	12

CY-254017A Flat Top

Used in mass handling
corrugated board conveying

- Curve-No | Pitch25.4mm(1in)
- 0% Opening | Flat Top
- Robust hinge design ensures high mechanical strength for the most demanding applications. Optimized edge geometry and seamless hinges enable excellent product handling during linear transport. The curved bottom design minimizes noise when meshing with sprockets.



Standard Width

The width value can be increased in multiples of 76mm (2.99")
 $W=76 \times N (N \geq 1, N \in \mathbb{Z}^+)$
 Eg. $W456=76 \times 6$ (mm)

► Belt Dimensions

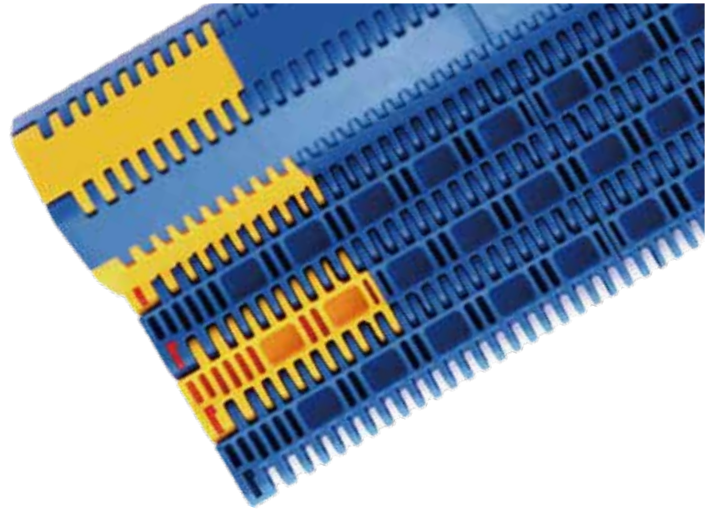
	Pitch	Thickness	Pin Ø	Width min.	Width Increment	Backflex Radius	Open Area [%]
mm	25.4	12.5	5.0	76.0	76.0	30	0%
in	1.00	0.49	0.20	3.00	3.00	1.20	0%

► Belt Specifications

Belt Material	Rod Material	Working Load(N/M) 21 C	Belt Weight(kg/m ²)	Temperature Range(C)
POM	Metal	40000	17	-40~85
	PA	37000	11.8	-40~85
	PBT	37000	12.2	-40~85
PP	PP	25000	8.7	0~100
PE	PE	16500	9	-45~60

CY-254017A1 Flat Top

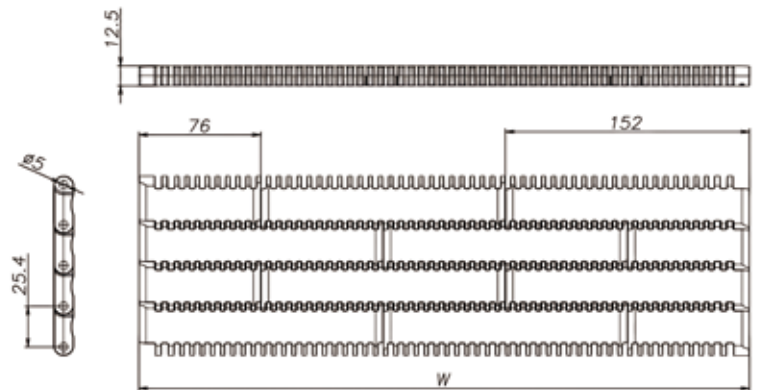
Used in mass handling
corrugated board conveying



- Curve-No | Pitch Pitch25.4mm(1in)
- 0% Opening | Flat Top
- Shares the same advantages as CY-254017A, with plug-type stoppers on both sides for quick disassembly and assembly.

Standard Width

The width value can be increased in multiples of 76mm (2.99")
 $W=76 \times N(N \geq 1, N \in \mathbb{Z}^+)$
 Eg. $W456=76 \times 6(\text{mm})$



► Belt Dimensions

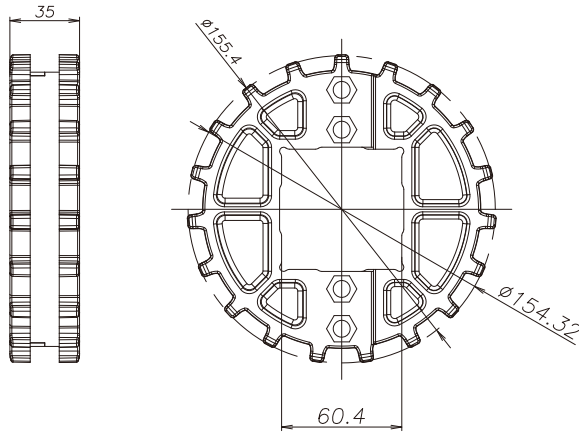
	Pitch	Thickness	Pin Ø	Width min.	Width Increment	Backflex Radius	Open Area [%]
mm	25.4	12.5	5.0	76.0	76.0	30	0%
in	1.00	0.49	0.20	3.00	3.00	1.20	0%

► Belt Specifications

Belt Material	Rod Material	Working Load(N/M) 21 C	Belt Weight(kg/m ²)	Temperature Range(C)
POM	Metal	40000	17	- 40~85
	PA	37000	11.8	- 40~85
	PBT	37000	12.2	- 40~85
PP	PP	25000	8.7	0~100
PE	PE	16500	9	- 45~60

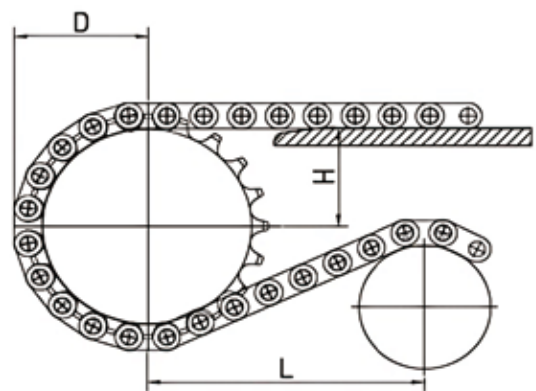
Sprocket for CY-254017A/A1

Used in mass handling, corrugated board conveying



► Sprocket Dimensions

No. of Teeth	Pitch Diameter		Outer Diameter		Hub width		Bore Dimensions			
	mm	in	mm	in	mm	in	Round Bore		Square Bore	
	mm	in	mm	in	mm	in	mm	in	mm	in
18	146.6	5.77	146.3	5.76	35	1.38	-	-	50/60	1.97/2.36
19	154.3	6.07	155	6.1	35	1.38	-	-	40/50/60	1.57/1.97/2.36



► Installation Dimensions

No. of Teeth	D Min.		H Dimensions		L Min.	
	mm	in	mm	in	mm	in
18	79	3.11	66	2.6	250	10
19	84	3.31	70.9	2.79	250	10

CY-50804Q1 Ball Top

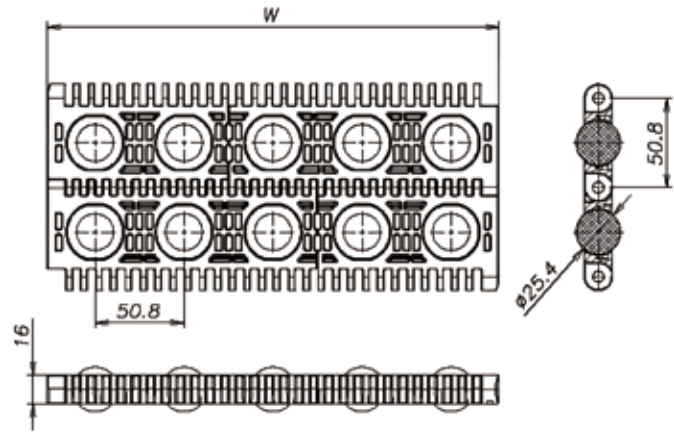
Used in mass handling
corrugated board conveying



- Curve-No
- 0% Opening | Flat Top
- Centrally embedded balls in modular belt segments allow easy directional change during cardboard transport.

Standard Width

The width value can be increased in multiples of 76mm (2.99")
 $W=76 \times N (N \geq 1, N \in \mathbb{Z}^+)$
 Eg. $W456=76 \times 6$ (mm)



► Belt Dimensions

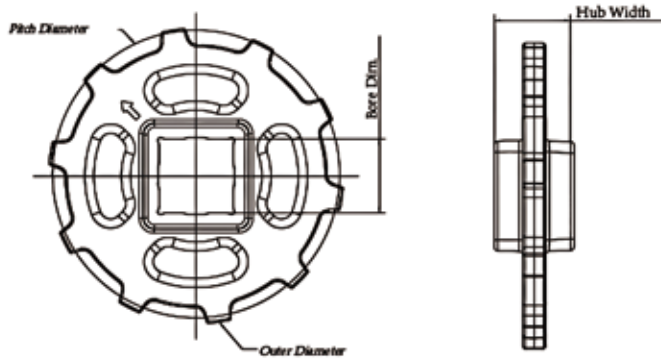
	Pitch	Thickness	Pin Ø	Width min.	Width Increment	Backflex Radius	Open Area [%]
mm	50.8	16	6	152	50.8	50	0%
in	2.00	0.63	0.24	6.00	2.00	2.00	0%

► Belt Specifications

Belt Material	Rod Material	Working Load(N/M) 21 C	Belt Weight(kg/m ²)	Temperature Range(C)
PP	PA	23500	14.8.0	5~85

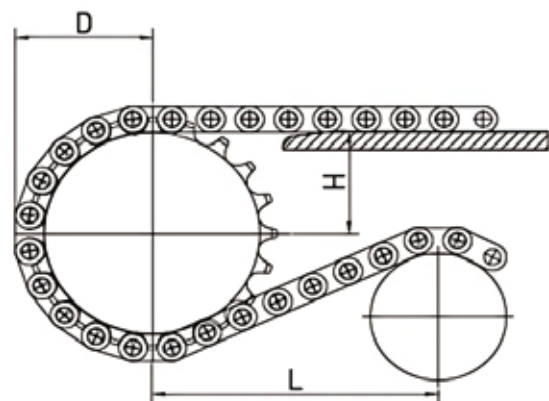
Sprocket for CY-50804Q1

Used in mass handling, corrugated board conveying



► Sprocket Dimensions

No. of Teeth	Pitch Diameter		Outer Diameter		Hub width		Bore Dimensions			
							Round Bore		Square Bore	
	mm	in	mm	in	mm	in	mm	in	mm	in
10	163	6.42	161.8	6.37	42	1.65	1.57	40	40	1.57
12	198	7.8	196	7.72	42	1.65	1.57	40	40/50/60	1.57/1.97/2.36



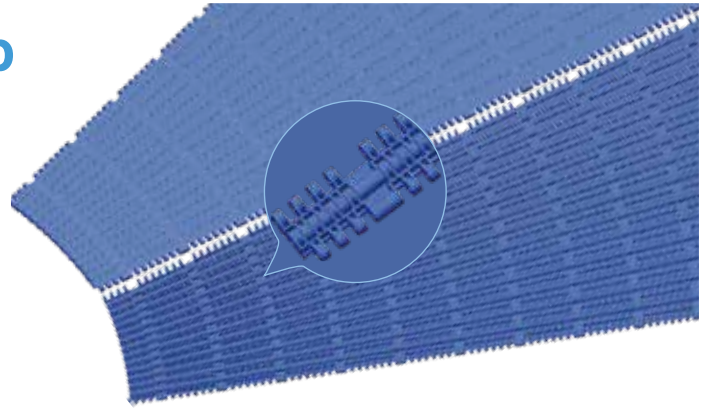
► Installation Dimensions

No. of Teeth	D Min.		H Dimensions		L Min.	
	mm	in	mm	in	mm	in
10	96	3.78	72	2.83	200	8
12	113	4.45	89	3.5	250	10

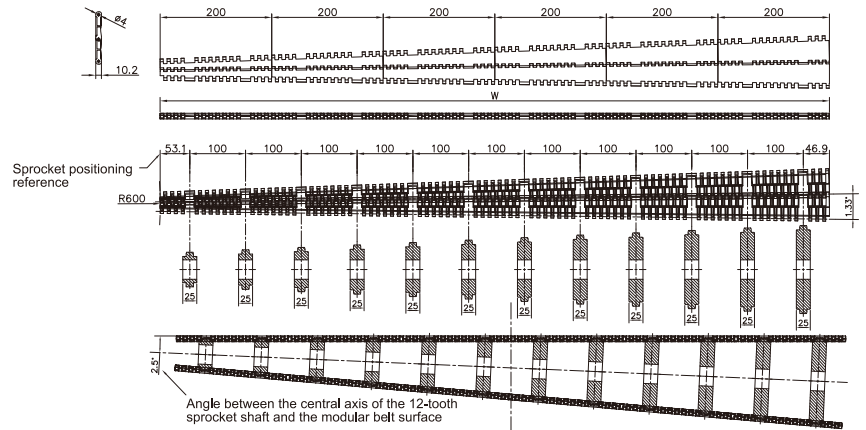
CY-2100 Radius Flat Top

Used in mass handling, corrugated board conveying

- Curve-Yes
- 0% Opening | Flat Top
- Specialized conical modules with short constant radii and small pitch eliminate straight sections at conveyor inlets/outlets (a common requirement for traditional variable-radius modular belts). The compact corner design reduces floor space and layout complexity. The fully enclosed top surface ensures maximum safety for operators (no pinching risk) and prevents indentations on the bottom corrugated cardboard.



Row to Row Angle	1.33°	
Thickness	mm	10.2
	inch	0.4
Pin Ø	mm	4
	inch	0.2
Open Area [%]	mm	0%
	inch	0%



► Standard Size

		Inner belt radius(mm)					
Belt width(mm)		600	800	1000	1200	1400	1600
200		800	1000	1200	1400	1600	1800
400		1000	1200	1400	1600	1800	
600		1200	1400	1600	1800		
800		1400	1600	1800			
1000		1600	1800				
1200		1800					

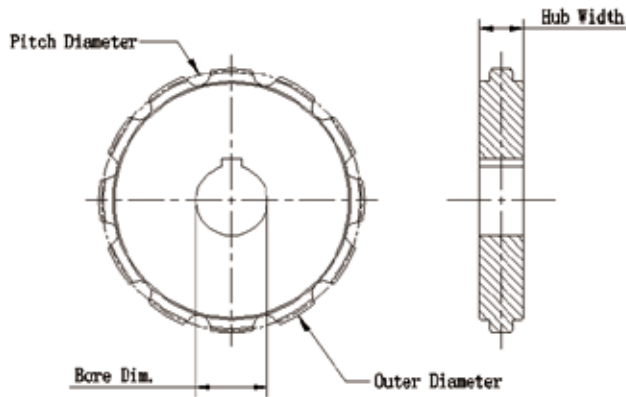
Outside belt radius(mm)

► Belt Specifications

Belt Material	Rod Material	Working Load(N/M) 21 C	Belt Weight(kg/m ²)	Temperature Range(°C)
POM	Metal	15500	11.15	- 40~85
	PA	14000	8.2	- 40~85

Sprocket for CY-2100

Used in mass handling, corrugated board conveying

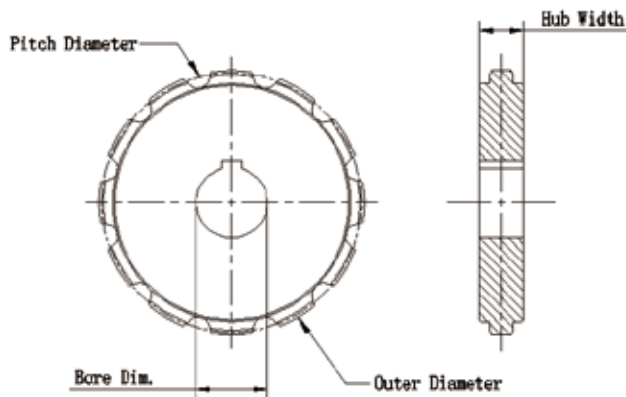


► Sprocket Dimensions

No. of Teeth	Pitch Diameter	Outer Diameter	Hub width	Bore Dimensions
	mm	mm	mm	Round Bore (mm)
12-(01)	59	62	25	30/35
12-(02)	68	70.8	25	30/35
12-(03)	77	79.4	25	30/35
12-(04)	86	88	25	30/35
12-(05)	95	96.8	25	30/35
12-(06)	104	105.4	25	30/35
12-(07)	113	114.2	25	30/35
12-(08)	121.9	122.8	25	30/35
12-(09)	130.9	131.4	25	30/35
12-(10)	139.9	140.2	25	30/35
12-(11)	148.9	149	25	30/35
12-(12)	157.9	157.8	25	30/35

Sprocket for CY-2200

Used in mass handling, corrugated board conveying



► Sprocket Dimensions

No. of Teeth	Pitch Diameter	Outer Diameter	Hub width	Bore Dimensions
	mm	mm	mm	Round Bore (mm)
12-(01)	72.8	75.6	25	35/40
12-(02)	79.7	82.2	25	35/40
12-(03)	86.6	88.9	25	35/40
12-(04)	93.5	95.6	25	35/40
12-(05)	100.4	102.2	25	35/40
12-(06)	107.3	108.9	25	35/40
12-(07)	114.2	115.6	25	35/40
12-(08)	121.1	122.2	25	35/40
12-(09)	128	128.8	25	35/40
12-(10)	134.9	135.5	25	35/40
12-(11)	141.8	142.2	25	35/40
12-(12)	148.7	148.8	25	35/40
12-(13)	155.6	155.4	25	35/40
12-(14)	162.5	162.6	25	35/40
12-(15)	169.4	168.8	25	35/40
12-(16)	176.3	175.4	25	35/40



SHANGHAI CAIYANG PLASTIC PRODUCTS CO.,LTD

Tel:021-57630271 MB.:+86-18321599788 Fax:021-57630937

OFFICE

Shanghai Xincaiyang Transmission Technology Co., Ltd.

Email:kaixiao.gao@shcyd.com URL:www.shcyd.com

Add:Room 701, Building 3, Songjiang High-Tech Park, No. 518 Xinzhuan Highway, Xinqiao Town, Songjiang District, Shanghai

FACTORY

Shanghai Caiyang Plastic Products Co., Ltd.

Email:sales@caiyangbelt.com URL:www.caiyangbelt.com

Add:No.356 Longgao Road, Jiuting Town, Songjiang District, Shanghai 201615