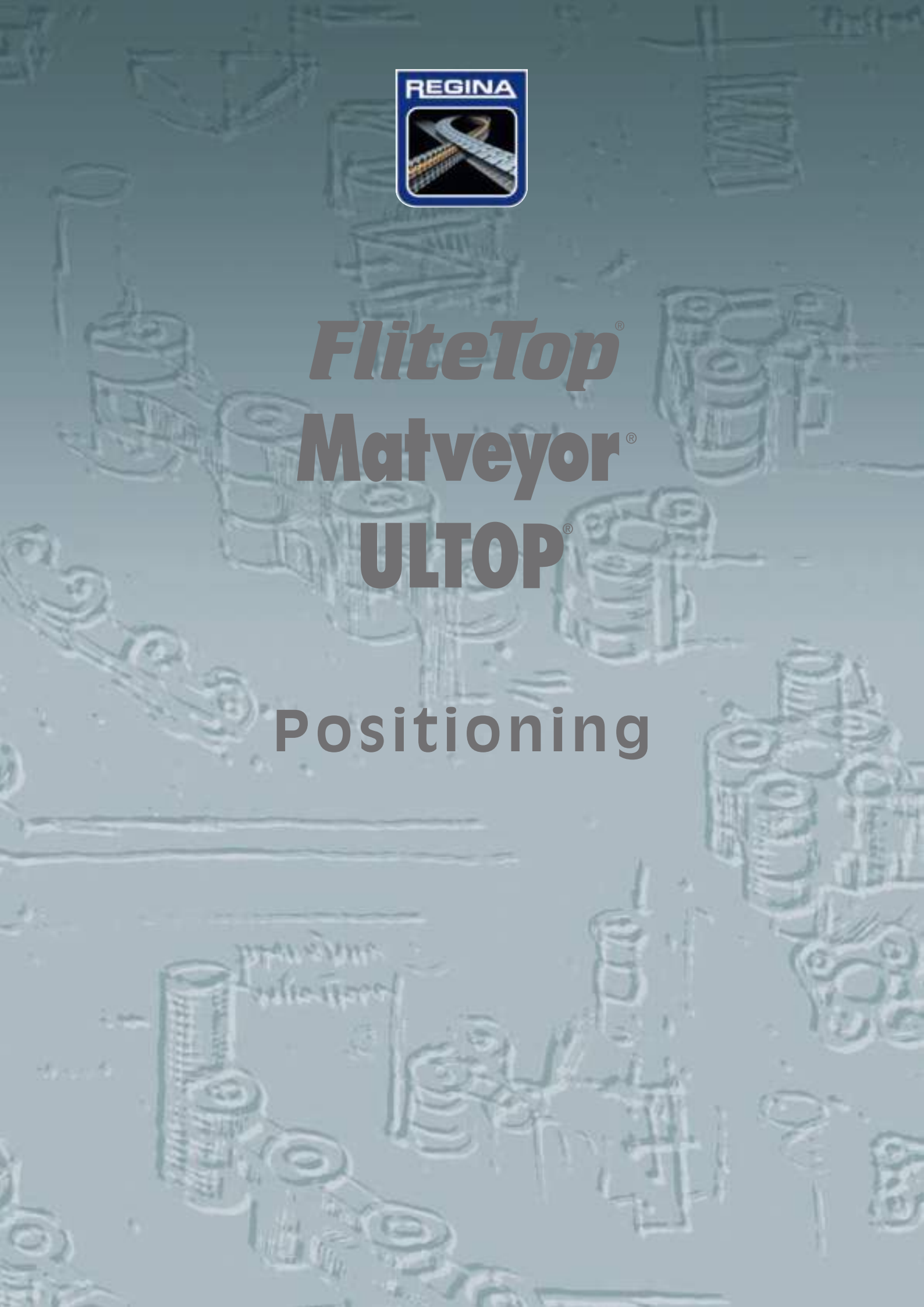


FliteTop®
Matveyor®
ULTOP®

Positioning

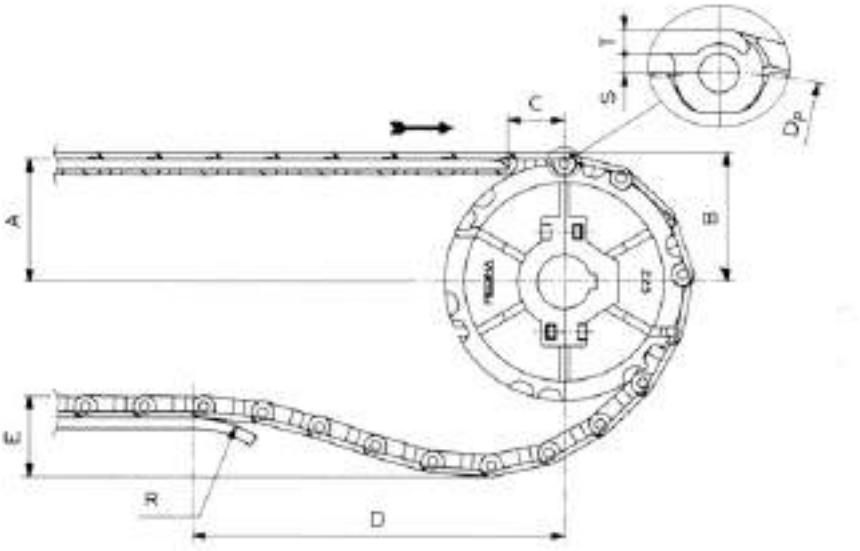
POSITIONING

STEEL AND THERMOPLASTIC ONE-PIECE CHAINS

STRAIGHT RUNNING AND SIDEFLEXING CHAINS

SPROCKETS/WEAR STRIP POSITIONING

Below is a chain and sprocket installation with a typical catenary arrangement. To ensure a proper interaction between the chain and the sprocket, it is important to position the sprockets at the right height and distance from the wearstrips. The right position depends on the type of chain and the sprocket size, see drawing below.
Particular care should be taken to ensure that rail or slider bed carry ways at the drive end of the conveyor are tapered or angled downward to ensure smooth entry of the chain.



CHAIN SERIES	A	B	S*		T*		C		D		E		R	
			mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
815, 915, 2815, 9157			3,4	0.13	3	0.12	40	1.60	450-600	17.7-23.6	75-125	3-5	150	5.90
515			3,4	0.13	3	0.12	26	1.02	450-600	17.7-23.6	75-125	3-5	150	5.90
803			3,4	0.13	3	0.12	40	1.60	450-600	17.7-23.6	75-125	3-5	75	2.95
881, 981, 982, 9857			3,4	0.13	3	0.12	40	1.60	450-600	17.7-23.6	75-125	3-5	75	2.95
820	$\frac{D_p^*}{2} + S^*$	A + T*	3,2	0.12	4	0.16	40	1.60	450-600	17.7-23.6	75-125	3-5	40	1.60
831			2,4	0.09	4,8	0.19	40	1.60	450-600	17.7-23.6	75-125	3-5	40	1.60
821			3,2	0.12	4,8	0.19	40	1.60	450-600	17.7-23.6	75-125	3-5	40	1.60
880			3,6	0.14	4	0.16	40	1.60	450-600	17.7-23.6	75-125	3-5	40	1.60
879			2,8	0.11	4,8	0.19	40	1.60	450-600	17.7-23.6	75-125	3-5	40	1.60
878			3,6	0.14	4,8	0.19	40	1.60	450-600	17.7-23.6	75-125	3-5	40	1.60
882			4,7	0.18	4,8	0.19	40	1.60	450-600	17.7-23.6	75-125	3-5	40	1.60

S*= Distance from pin centerline to underside of chain;
T*= Plate thickness of the chain;
D_p*= Sprocket pitch diameter (see sprockets page 171);

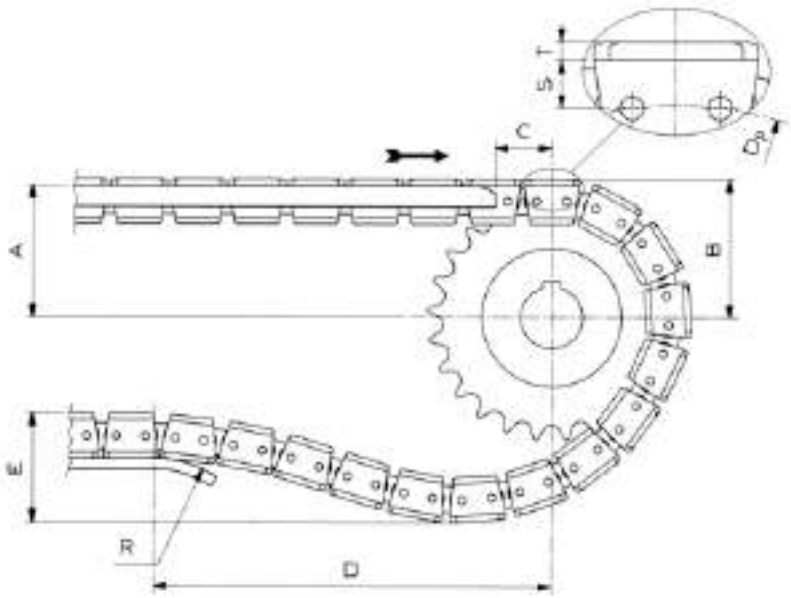
Please contact Application Engineers for a more detailed evaluation.

TWO-PIECE CHAINS WITH STEEL AND THERMOPLASTIC FLIGHTS

STRAIGHT RUNNING AND SIDEFLEXING CHAINS

SPROCKETS/WEAR STRIP POSITIONING

Below is a chain and sprocket installation with a typical catenary arrangement. To ensure a proper interaction between the chain and the sprocket, it is important to position the sprockets at the right height and distance from the wearstrips. The right position depends on the type of chain and the sprocket size, see drawing below.
Particular care should be taken to ensure that rail or slider bed carry ways at the drive end of the conveyor are tapered or angled downward to ensure smooth entry of the chain.



CHAIN SERIES	A	B	S*		T*		C		D		E		R	
			mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
1864			11,4	0.45	3	0.12	40	1.57	450-600	17.7-23.6	75-125	3-5	160	6.30
1874T			11,4	0.44	3	0.12	40	1.57	450-600	17.7-23.6	75-125	3-5	250	9.84
843, 845	$\frac{D^*_p}{2} + S^*$	A + T*	5,9	0.23	3,2	0.12	25	0.98	450-600	17.7-23.6	75-125	3-5	90	3.54
963, 863			10,4	0.40	4	0.16	40	1.57	450-600	17.7-23.6	75-125	3-5	115	4.53
1843T			6	0.23	3,2	0.12	25	0.98	450-600	17.7-23.6	75-125	3-5	50	1.97
1863T			10,4	0.41	4	0.16	10	0.39	450-600	17.7-23.6	75-125	3-5	120	4.72
1873T			10,4	0.41	4	0.16	40	1.57	450-600	17.7-23.6	75-125	3-5	305	12.01

S*= Distance from pin centerline to underside of chain;
T*= Plate thickness of the chain;
D_p*= Sprocket pitch diameter (see sprockets page 171);

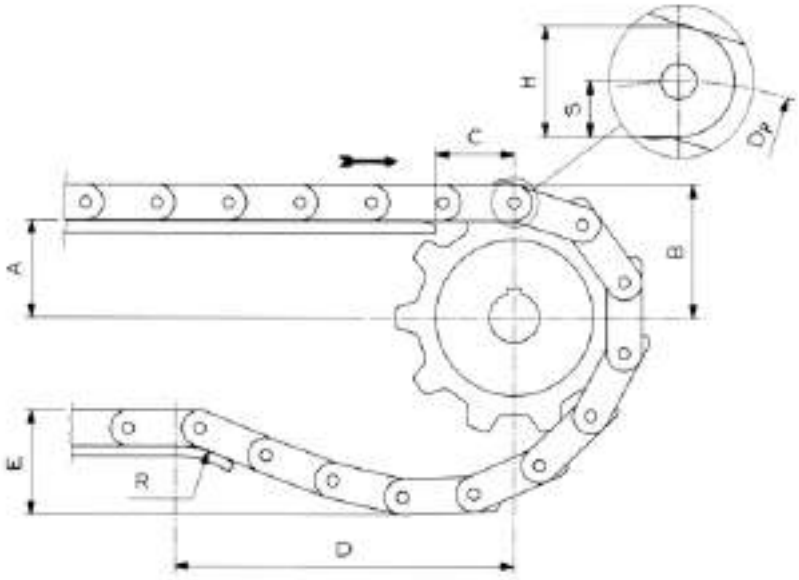
Please contact Application Engineers for a more detailed evaluation.

BIPLANAR AND CASE CONVEYOR CHAINS

STRAIGHT RUNNING AND SIDEFLEXING CHAINS

SPROCKETS/WEAR STRIP POSITIONING

Below is a chain and sprocket installation with a typical catenary arrangement. To ensure a proper interaction between the chain and the sprocket, it is important to position the sprockets at the right height and distance from the wearstrips. The right position depends on the type of chain and the sprocket size, see drawing below.
Particular care should be taken to ensure that rail or slider bed carry ways at the drive end of the conveyor are tapered or angled downward to ensure smooth entry of the chain.



CHAIN SERIES	A	B	S*		H*		C		D		E		R	
			mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
1700	$\frac{D^*_P}{2} - S^*$	A + H*	12	0.47	24	0.94	50	1.97	450-600	17.7-23.6	75-125	3-5	50	1.97
1701T, 1702			12,5	0.49	25	0.98	50	1.97	450-600	17.7-23.6	75-125	3-5	50	1.97
P600			14	0.55	28	1.10	65	2.56	450-600	17.7-23.6	75-125	3-5	50	1.97
P2600			14,5	0.57	29	1.14	65	2.56	450-600	17.7-23.6	75-125	3-5	50	1.97

S*= Distance from pin centerline to underside of chain;
H_c*= Plate thickness of the chain;
D_p*= Sprocket pitch diameter (see sprockets page 171);

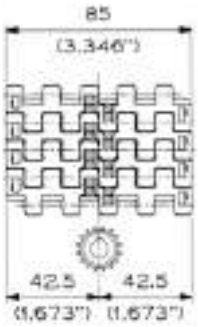
Please contact Application Engineers for a more detailed evaluation.

600 SERIES:

SPROCKETS/POCKETS POSITIONING INSTRUCTIONS

DEDICATED WIDTHS:

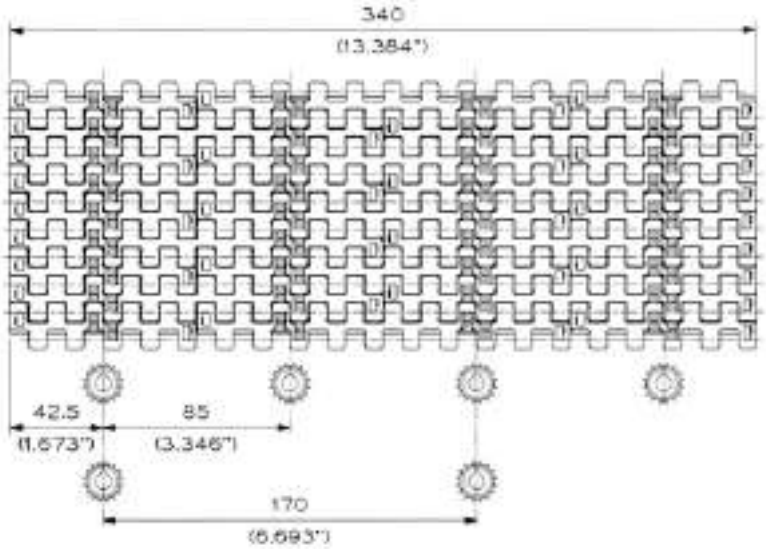
For chain 85 mm (3.346") wide use N°1 drive sprocket and N°1 idler wheel.
Please consider pocket positioning dimension of 42,5 mm (1.673") from chain edge.



MODULAR BELTS:

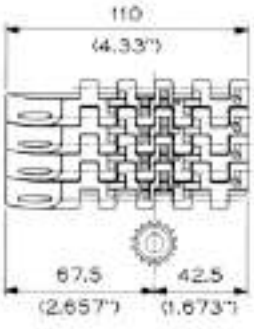
For other widths please consider first pocket position dimension of 42,5 mm (1.673") from belt edge, and 85 mm (3.346") spacing between other consecutive pockets.
A spacing of 170 mm (6.693") between idler sprockets (or wheels) should normally be used on idler shaft.

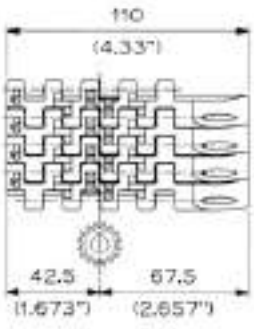
The example refers to a 340 mm (13.384") wide belt.



ACTIVE TRANSFER MODULES:

For chain 600GATM use N°1 drive sprocket and N°1 idler wheel. Please consider pocket positioning dimensions of 42,5 mm (1.673") from chain edge.



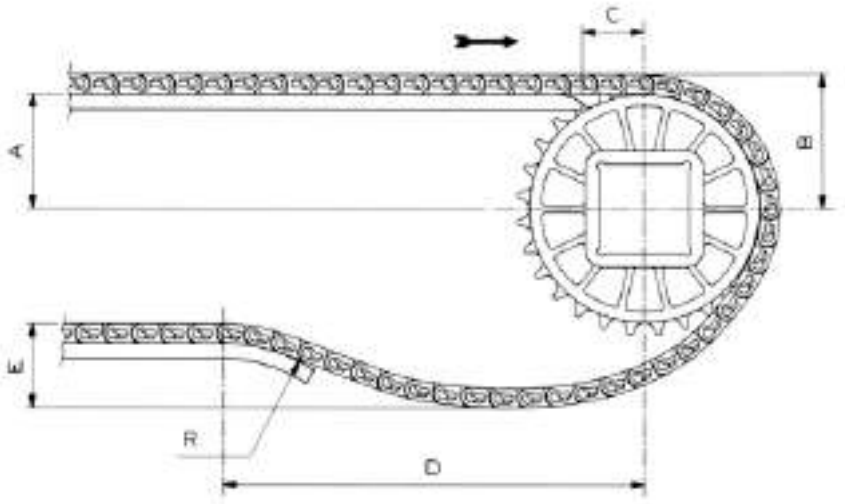


Please contact Application Engineers for a more detailed evaluation.

600 SERIES:

SPROCKETS/WEAR STRIP POSITIONING

Below is a belt and sprocket installation with a typical catenary arrangement. Particular care should be taken to ensure that rail or slider bed carry ways at the drive end of the conveyor are tapered or angled downward to ensure smooth entry of the chain.



Sprockets see pages 219÷220

N° OF TEETH Z	DIMENSIONS											
	A		B		C		D		E		R	
	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
16	28,2	1.11	36,9	1.45	12	0.47	450-600	17.7-23.6	50-100	2-4	100	4
19	34,2	1.35	42,9	1.69	12	0.47	450-600	17.7-23.6	50-100	2-4	100	4
28	52,4	2.06	61,1	2.40	12	0.47	450-600	17.7-23.6	50-100	2-4	100	4
32	60,4	2.38	69,1	2.72	12	0.47	450-600	17.7-23.6	50-100	2-4	100	4
36	68,5	2.70	77,2	3.04	12	0.47	450-600	17.7-23.6	50-100	2-4	100	4
38	72,5	2.85	81,2	3.20	12	0.47	450-600	17.7-23.6	50-100	2-4	100	4

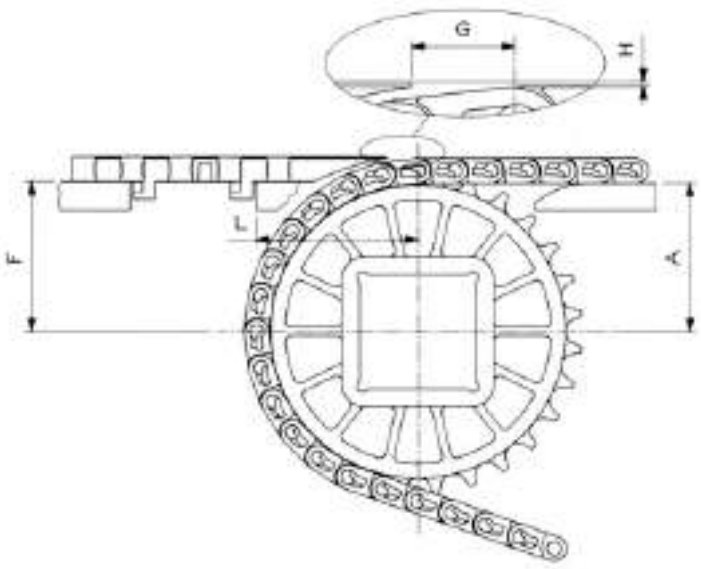
Please contact Application Engineers for a more detailed evaluation.

600 SERIES:

INSTALLATION DIMENSIONS FOR ACTIVE TRANSFER MODULES

When using the active transfer system, particular attention must be paid to the vertical oscillation of the take-away belt when engaging the sprocket (chordal effect): if excessive, it could cause unstable products to fall down during the head transfer.

The smaller the number of teeth, the larger the chordal effect.



Sprockets see pages 219÷220

N° OF TEETH Z	DIMENSIONS									
	A		F		G		H		L	
	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
16	28,2	1.11	28,3	1.11	10,2	0.40	0,1	0.004	56,9	2.24
19	34,2	1.35	34,3	1.35	11	0.43	0,1	0.004	57,7	2.27
28	52,4	2.06	52,5	2.06	13,1	0.52	0,1	0.004	59,8	2.35
32	60,4	2.38	60,5	2.38	14	0.55	0,1	0.004	60,6	2.39
36	68,5	2.70	68,6	2.70	14,7	0.58	0,1	0.004	61,4	2.42
38	72,5	2.85	72,6	2.86	15,1	0.59	0,1	0.004	61,8	2.43

Note: Recommended that pre-production tests are carried out and adjustments be made as necessary to both feed and discharge belts to achieve successful product transfer.

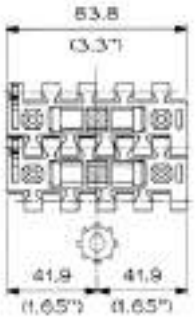
Please contact Application Engineers for a more detailed evaluation.

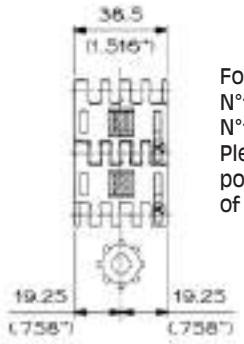
1500 - 1600 SERIES:

SPROCKETS/POCKETS POSITIONING INSTRUCTIONS

DEDICATED WIDTHS:

For chain 82,6 mm (3.25") wide use N°1 drive sprocket and N°1 idler wheel.
Please consider pocket positioning dimension of 41,3 mm (1.626") from chain edge.
For chain 83,8 mm (3.3") wide use N°1 drive sprocket and N°1 idler wheel.
Please consider pocket positioning dimension of 41,9 mm (1.65") from chain edge.
For chain 85 mm (3.346") wide use N°1 drive sprocket and N°1 idler wheel.
Please consider pocket positioning dimension of 42,5 mm (1.673") from chain edge.



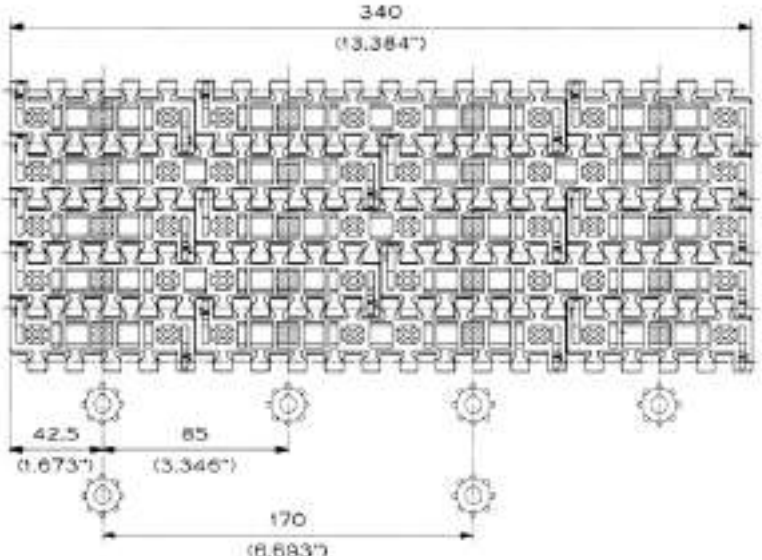


For chain RR1600 use N°1 drive sprocket and N°1 idler wheel.
Please consider pocket positioning in the middle of the chain.

MODULAR BELTS:

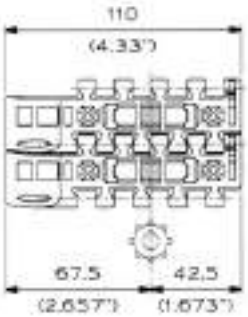
For other widths please always consider the same first pocket position dimension of 42,5 mm (1.673") from belt edge, and 85 mm (3.346") spacing between other consecutive pockets.
A spacing of 170 mm (6.693") between idler sprockets (or wheels) should normally be used on idler shaft.

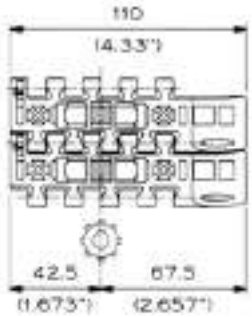
The example refers to a 340 mm (13.384") wide belt.



ACTIVE TRANSFER MODULES:

For 1500-1600GATM chain of 85 mm (3.346") wide use N°1 drive sprocket and N°1 idler wheel.
Please consider pocket positioning dimension of 42,5 mm (1.673") from chain edge.

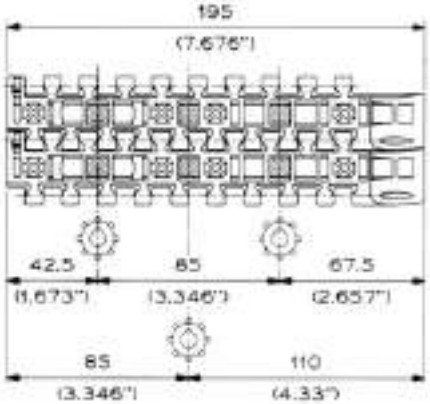




For 1500-1600GATM chain of 170 mm (6.693") wide, N°2 drive sprockets and N°1 idler sprocket can be used.
For drive sprockets please consider pocket positioning dimension of 42,5 mm (1.673") from chain edge and 85 mm (3.346") spacing between other consecutive pocket.
For idler sprocket please consider pocket positioning dimension of 85 mm (3.346") from chain edge.

For lighter applications N°1 drive sprocket and N°1 idler sprocket can be used.

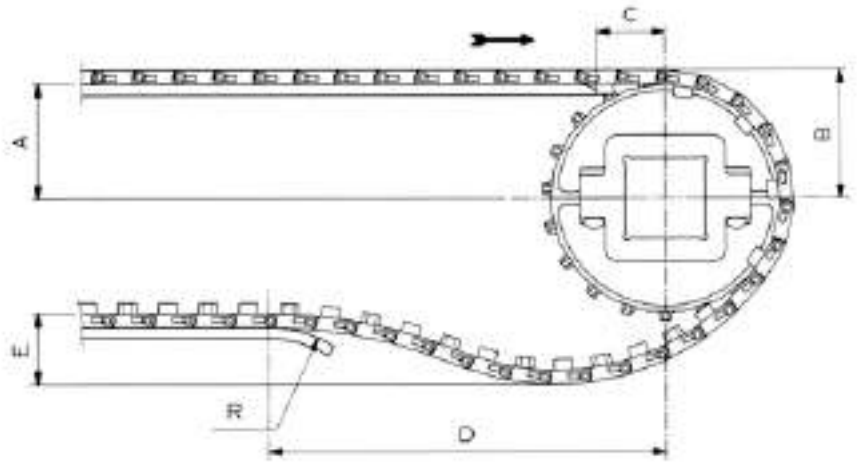
Please contact Application Engineers for a more detailed evaluation.



1500-1600 SERIES:

SPROCKETS/WEAR STRIP POSITIONING

Below is a belt and sprocket installation with a typical catenary arrangement. Particular care should be taken to ensure that rail or slider bed carry ways at the drive end of the conveyor are tapered or angled downward to ensure smooth entry of the chain.



Sprockets see pages 224÷227

N° OF TEETH Z	DIMENSIONS											
	A		B		C		D		E		R	
	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
8	28,8	1.13	37,5	1.48	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
10	36,7	1,44	45,4	1,79	25	0,98	450-600	17.7-23.6	50-100	2-4	100	4
11	40,7	1.60	49,4	1.94	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
12	44,7	1.76	53,4	2.10	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
13	48,7	1.92	57,4	2.26	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
14	52,7	2.07	61,4	2.42	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
16	60,7	2.39	69,4	2.73	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
18	68,8	2.71	77,5	3.05	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
19	72,8	2.87	81,5	3.21	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
20	76,8	3.02	85,5	3.37	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
21	80,9	3.19	89,6	3.53	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4

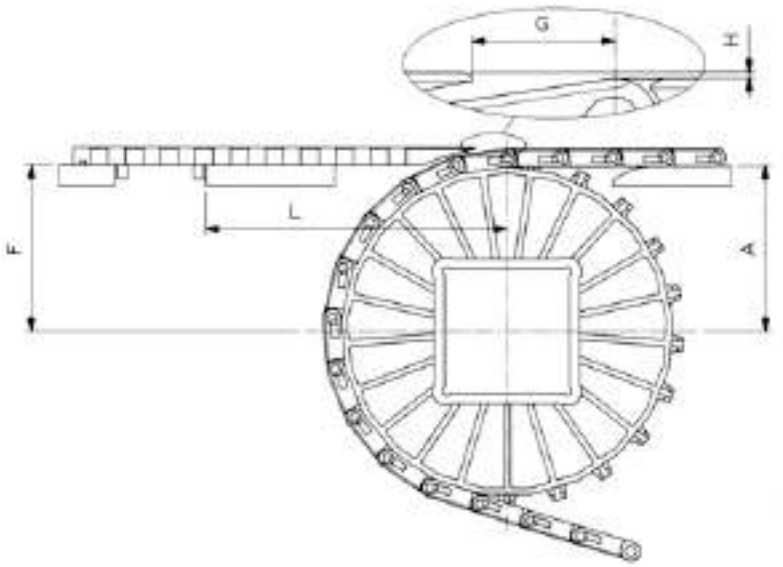
Please contact Application Engineers for a more detailed evaluation.

1500 - 1600 SERIES:

INSTALLATION DIMENSIONS FOR ACTIVE TRANSFER MODULES

When using the active transfer system, particular attention must be paid to the vertical oscillation of the take-away belt when engaging the sprocket (chordal effect): if excessive, it could cause unstable products to fall down during the head transfer.

The smaller the number of teeth, the larger the chordal effect



Sprockets see pages 224÷227

N° OF TEETH Z	DIMENSIONS											
	A		F		G		H		L (K85)		L (K170)	
	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
8	28,8	1.13	28,9	1.14	11,9	0.47	0,1	0.004	58,6	2.31	143,6	5.65
10	36,7	1.44	36,8	1.45	13,1	0.52	0,1	0.004	59,8	2.35	144,8	5.70
11	40,7	1.60	40,8	1.61	13,7	0.54	0,1	0.004	60,4	2.38	145,4	5.72
12	44,7	1.76	44,8	1.76	14,3	0.56	0,1	0.004	61,0	2.40	145,9	5.74
13	48,7	1.92	48,8	1.92	14,8	0.58	0,1	0.004	61,5	2.42	146,4	5.76
14	52,7	2.07	52,8	2.08	15,3	0.60	0,1	0.004	62,0	2.44	146,9	5.78
16	60,7	2.39	60,8	2.39	16,2	0.64	0,1	0.004	63,0	2.48	147,9	5.82
18	68,8	2.71	68,9	2.71	17,2	0.68	0,1	0.004	63,9	2.52	148,8	5.86
19	72,8	2.87	72,9	2.87	17,6	0.69	0,1	0.004	64,3	2.53	149,3	5.88
20	76,8	3.02	76,9	3.03	18	0.71	0,1	0.004	64,7	2.55	149,7	5.89
21	80,9	3.19	81,0	3.19	18,5	0.73	0,1	0.004	65,2	2.57	150,1	5.91

Note: Recommended that pre-production tests are carried out and adjustments be made as necessary to both feed and discharge belts to achieve successful product transfer.

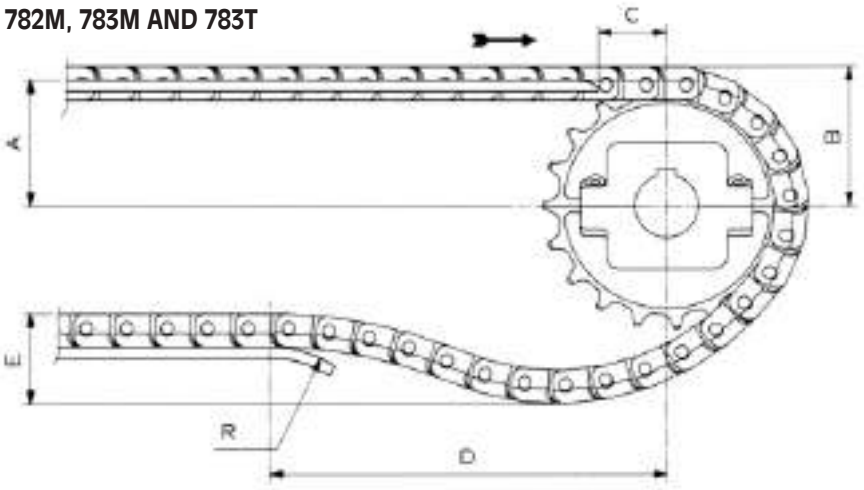
Please contact Application Engineers for a more detailed evaluation.

SIDEFLEXING CHAINS:

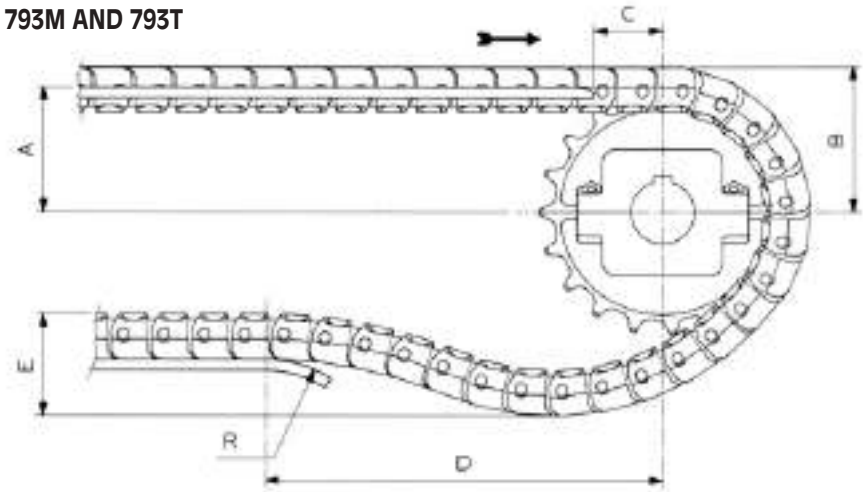
SPROCKETS/WEAR STRIP POSITIONING

Below is a chain and sprocket installation with a typical catenary arrangement. Particular care should be taken to ensure that rail or slider bed carry ways at the drive end of the conveyor are tapered or angled downward to ensure smooth entry of the chain.

782M, 783M AND 783T



793M AND 793T



Sprockets
see page 228

N° OF TEETH Z	DIMENSIONS A		B (782, 783)		B (793)		C		D		E		R	
	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
16	68,4	2.69	77,1	3.04	81,1	3.19	25	0.98	450-600	17.7-23.6	75-125	3-5	200	7.87
18	76,5	3.01	85,1	3.35	89,1	3.51	25	0.98	450-600	17.7-23.6	75-125	3-5	200	7.87
19	80,5	3.17	89,2	3.51	93,2	3.67	25	0.98	450-600	17.7-23.6	75-125	3-5	200	7.87

Please contact Application Engineers for a more detailed evaluation.

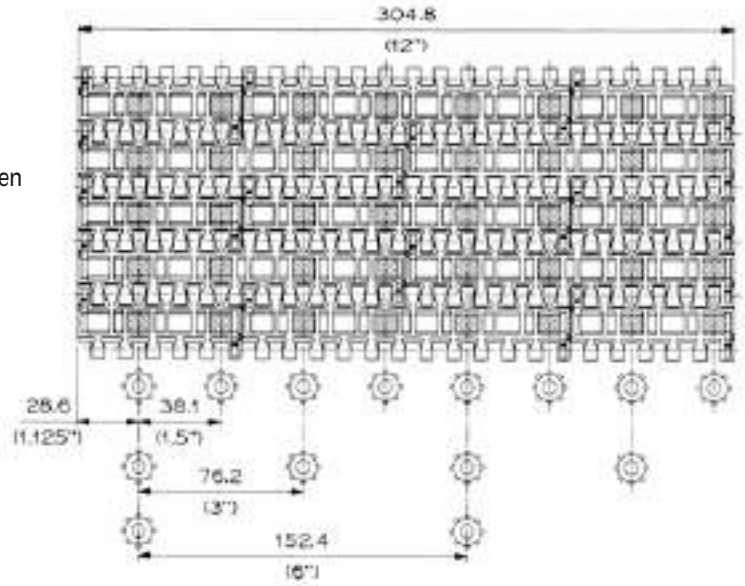
1110 - 1210 - 1310 SERIES:

SPROCKETS/POCKETS POSITIONING INSTRUCTIONS

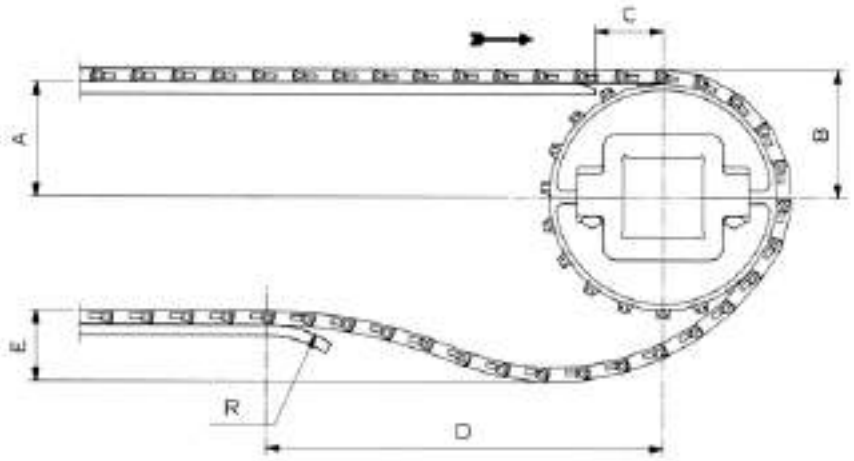
MODULAR BELTS:

Please always consider the first pocket positioning dimension of 28,6 mm (1.125") from belt edge, and 76,2 mm (3") spacing between other consecutive pockets.
A spacing of 152,4 mm (6") between idler sprockets (or wheels) should normally be used on idler shaft.
For applications with long center to center distances and high loads a spacing of 38,1 mm (1.5") is recommended.

The example refers to a 304,8 mm (12") wide belt.



SPROCKETS/WEAR STRIP POSITIONING



At left is a belt and sprocket installation with a typical catenary arrangement.
Particular care should be taken to ensure that rail or slider bed carry ways at the drive end of the conveyor are tapered or angled downward to ensure smooth entry of the chain.

Sprockets see pages 224÷227

N° OF TEETH Z	DIMENSIONS A		B (1210/1310)		B (1110)		C		D		E		R	
	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
8	28,4	1.12	38,0	1.50	43,4	1.71	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
10	36,3	1.43	45,9	1.81	51,3	2.02	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
11	40,3	1.59	49,9	1.96	55,3	2.18	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
12	44,3	1.74	53,9	2.12	59,3	2.33	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
13	48,3	1.90	57,9	2.28	63,3	2.49	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
14	52,3	2.06	61,9	2.44	67,3	2.65	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
16	60,3	2.37	69,9	2.75	75,3	2.96	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
18	68,3	2.69	77,9	3.07	83,3	3.28	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
19	72,4	2.85	82,0	3.23	87,4	3.44	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
20	76,4	3.01	86,0	3.39	91,4	3.60	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
21	80,4	3.17	90,0	3.54	95,4	3.76	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4

Please contact Application Engineers for a more detailed evaluation.

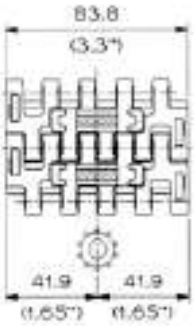
USPM SERIES:

SPROCKETS/POCKETS POSITIONING INSTRUCTIONS

DEDICATED WIDTHS:

For chain USPM 83,8 mm (3.3") wide use N°1 drive sprocket and N°1 idler wheel.
Please consider pocket positioning dimension of 41,9 mm (1.65") from chain edge.

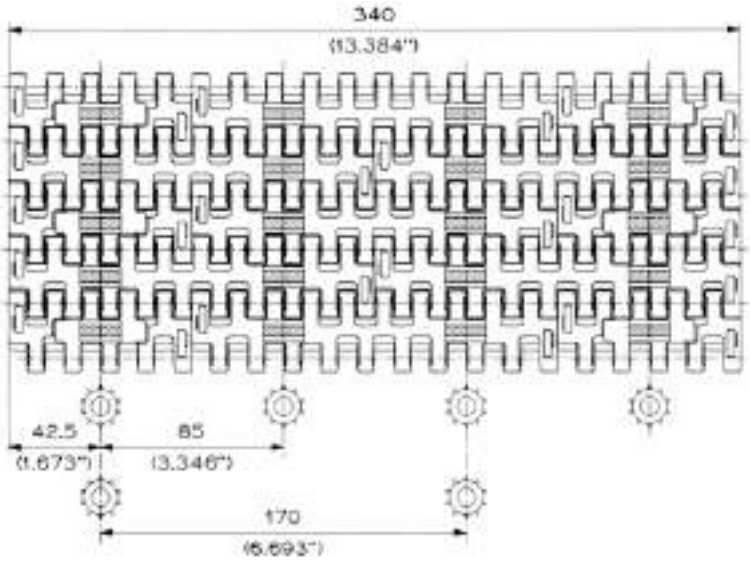
For chains HF USPM and LBP USPM 85 mm (3.346") wide use N°1 drive sprocket and N°1 idler wheel.
Please consider pocket positioning dimension of 42,5 mm (1.673") from chain edge.



MODULAR BELTS:

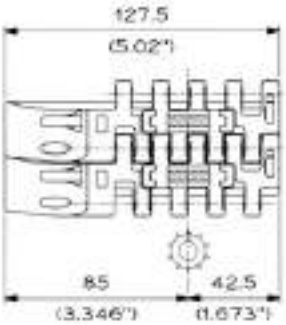
For other widths please always consider the same first pocket position dimension of 42,5 mm (1.673") from belt edge, and 85 mm (3.346") spacing between other consecutive pockets.
A spacing of 170 mm (6.693") between idler sprockets (or wheels) could normally used on idler shaft.

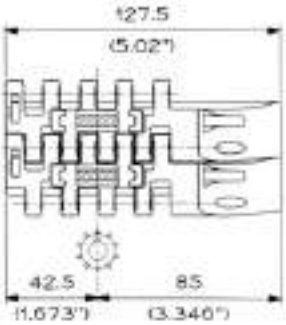
The example refers to a 340 mm (13.384") wide belt.



ACTIVE TRANSFER MODULES:

For USPMGATM chain use N°1 drive sprocket and N°1 idler wheel.
Please consider pocket positioning dimension of 42,5 mm (1.673") from chain edge.



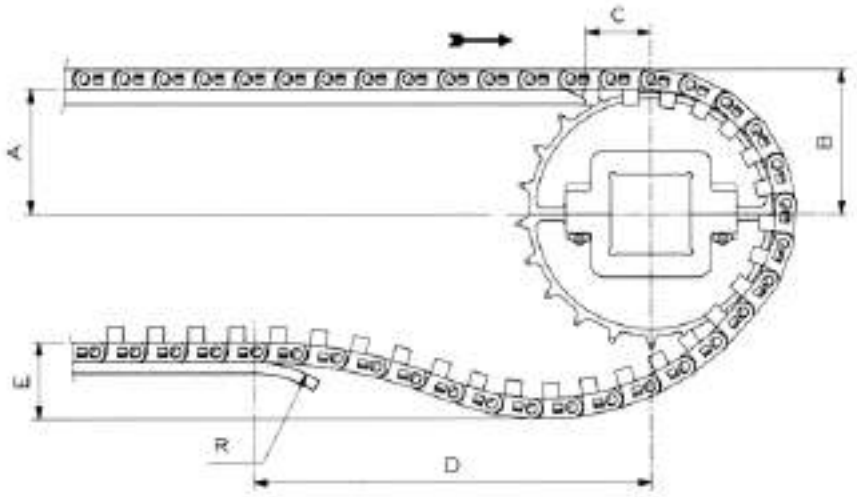


Please contact Application Engineers for a more detailed evaluation.

USPM SERIES:

SPROCKETS/WEAR STRIP POSITIONING

Below is a belt and sprocket installation with a typical catenary arrangement. Particular care should be taken to ensure that rail or slider bed carry ways at the drive end of the conveyor are tapered or angled downward to ensure smooth entry of the chain.



Sprockets see pages 229÷231

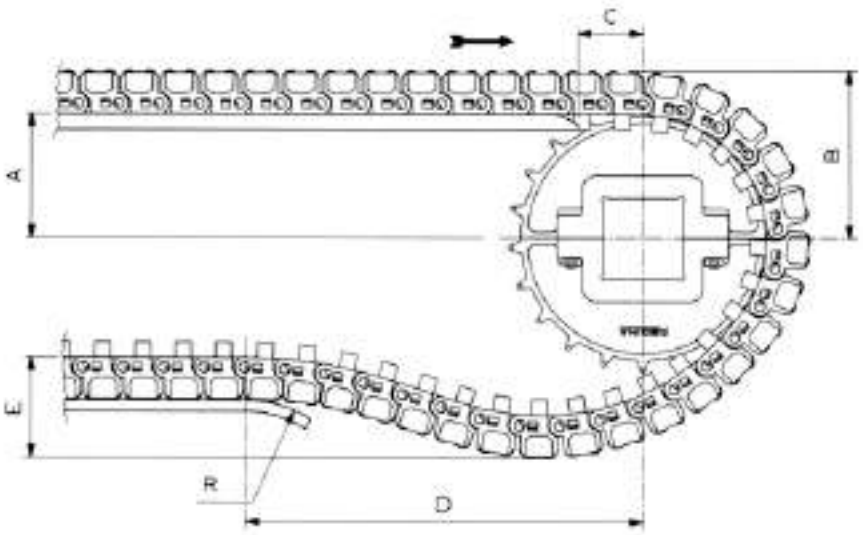
N° OF TEETH Z	DIMENSIONS											
	A		B		C		D		E		R	
	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
8	26,8	1.06	39,5	1.56	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
10	34,7	1.37	47,4	1.87	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
13	46,7	1.84	59,4	2.34	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
14	50,7	2.00	63,4	2.50	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
15	54,7	2.15	67,4	2.65	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
16	58,8	2.31	71,5	2.81	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
18	66,8	2.63	79,5	3.13	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
21	78,9	3.11	91,6	3.61	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4

Please contact Application Engineers for a more detailed evaluation.

LBP USPM SERIES:

SPROCKETS/WEAR STRIP POSITIONING

Below is a belt and sprocket installation with a typical catenary arrangement. Particular care should be taken to ensure that rail or slider bed carry ways at the drive end of the conveyor are tapered or angled downward to ensure smooth entry of the chain.



Sprockets see pages 229÷231

N° OF TEETH Z	DIMENSIONS											
	A		B		C		D		E		R	
	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
8	26,8	1.06	54,0	2.13	25	0.98	450-600	17.7-23.6	50-100	2-4	200	7.87
10	34,7	1.37	61,9	2.44	25	0.98	450-600	17.7-23.6	50-100	2-4	200	7.87
13	46,7	1.84	73,9	2.91	25	0.98	450-600	17.7-23.6	50-100	2-4	200	7.87
14	50,7	2.00	77,9	3.07	25	0.98	450-600	17.7-23.6	50-100	2-4	200	7.87
15	54,7	2.15	81,9	3.22	25	0.98	450-600	17.7-23.6	50-100	2-4	200	7.87
16	58,8	2.31	86,0	3.39	25	0.98	450-600	17.7-23.6	50-100	2-4	200	7.87
18	66,8	2.63	94,0	3.70	25	0.98	450-600	17.7-23.6	50-100	2-4	200	7.87
21	78,9	3.11	106,1	4.18	25	0.98	450-600	17.7-23.6	50-100	2-4	200	7.87

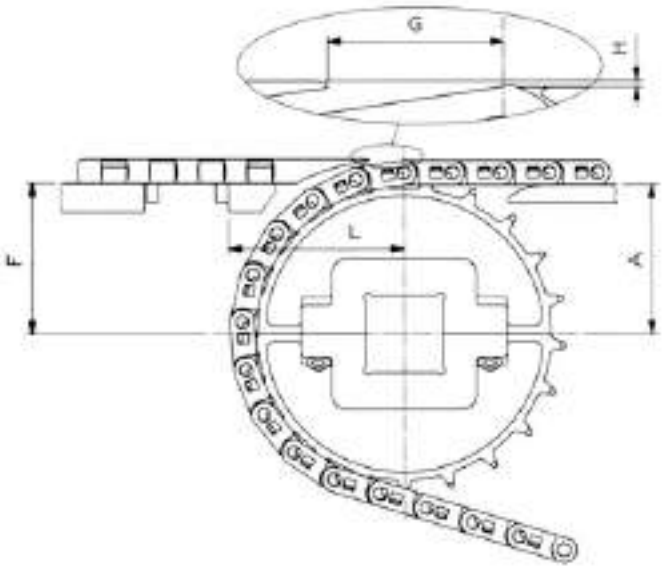
Please contact Application Engineers for a more detailed evaluation.

USPM SERIES:

INSTALLATION DIMENSIONS FOR ACTIVE TRANSFER MODULES

When using the active transfer system, particular attention must be paid to the vertical oscillation of the take-away belt when engaging the sprocket (chordal effect): if excessive, it could cause unstable products to fall down during the head transfer.

The smaller the number of teeth, the larger the chordal effect (on take-away belts, the Z = 21 is reccomended).



Sprockets see pages 229÷231

N° OF TEETH Z	DIMENSIONS									
	A		F		G		H		L	
	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
8	26,8	1.06	26,9	1.06	12,3	0.48	0,1	0.004	76,1	3.00
10	34,7	1.37	34,8	1.37	13,5	0.53	0,1	0.004	77,3	3.04
13	46,7	1.84	46,8	1.84	15,1	0.59	0,1	0.004	78,9	3.11
14	50,7	2.00	50,8	2.00	15,5	0.61	0,1	0.004	79,3	3.12
15	54,7	2.15	54,8	2.16	16,0	0.63	0,1	0.004	79,8	3.14
16	58,8	2.31	58,9	2.32	16,4	0.65	0,1	0.004	80,3	3.16
18	66,8	2.63	66,9	2.63	17,3	0.68	0,1	0.004	81,1	3.19
21	78,9	3.11	79	3.11	18,5	0.73	0,1	0.004	82,3	3.24

Note: Recommended that pre-production tests are carried out and adjustments be made as necessary to both feed and discharge belts to achieve successful product transfer.

Please contact Application Engineers for a more detailed evaluation.

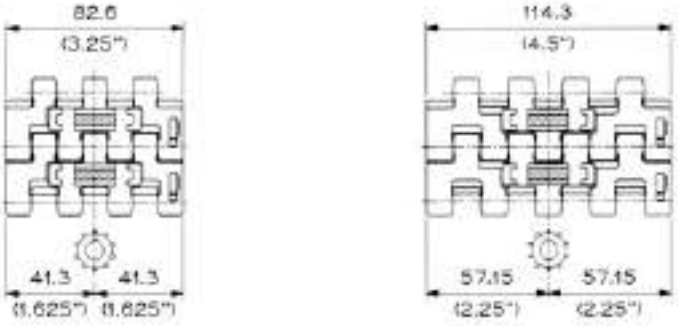
USP SERIES:

SPROCKETS/POCKETS POSITIONING INSTRUCTIONS

DEDICATED WIDTHS:

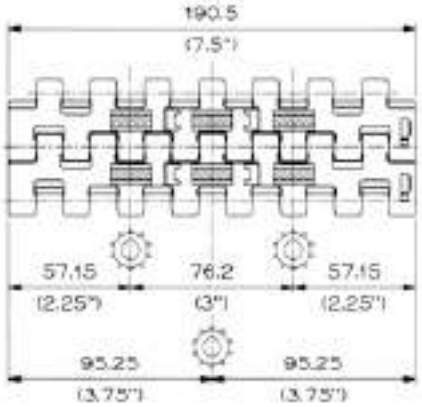
For chain 82,6 mm (3.25") wide, use N°1 drive sprocket and N°1 idler sprocket.
Please consider pocket positioning dimensions of 41,3 mm (1.625") from chain edge.

For chain 114,3 mm (4.5") wide, use N°1 drive sprocket and N°1 idler sprocket.
Please consider pocket positioning dimensions of 57,15 mm (2.25") from chain edge.



For chain 190,5 mm (7.5") wide, N°2 drive sprockets and N°1 idler sprocket could be used.
For drive sprockets please consider pocket positioning dimension of 57,15 mm (2.25") from chain edge and 76,2 mm (3") spacing between other consecutive pocket.
For idler sprocket please consider pocket positioning dimension of 95,25 mm (3.75") from chain edge.

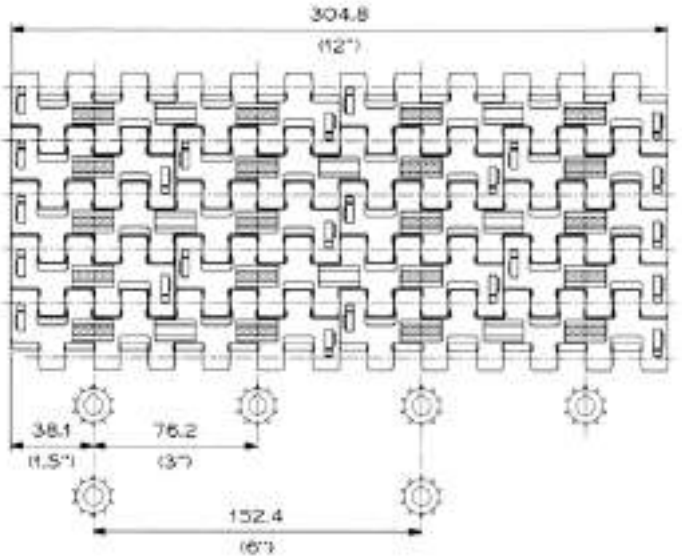
For lighter applications N°1 drive sprocket and N°1 idler sprocket can be used.



MODULAR BELTS:

For other widths please always consider same first pocket positioning dimension of 38,1 mm (1.5") from belt edge, and 76,2 mm (3") spacing between other consecutive pockets.
A spacing of 152,4 mm (6") between idler sprockets (or wheels) should normally be used on idler shaft.

The example refers to a 304,8 mm (12") wide belt.



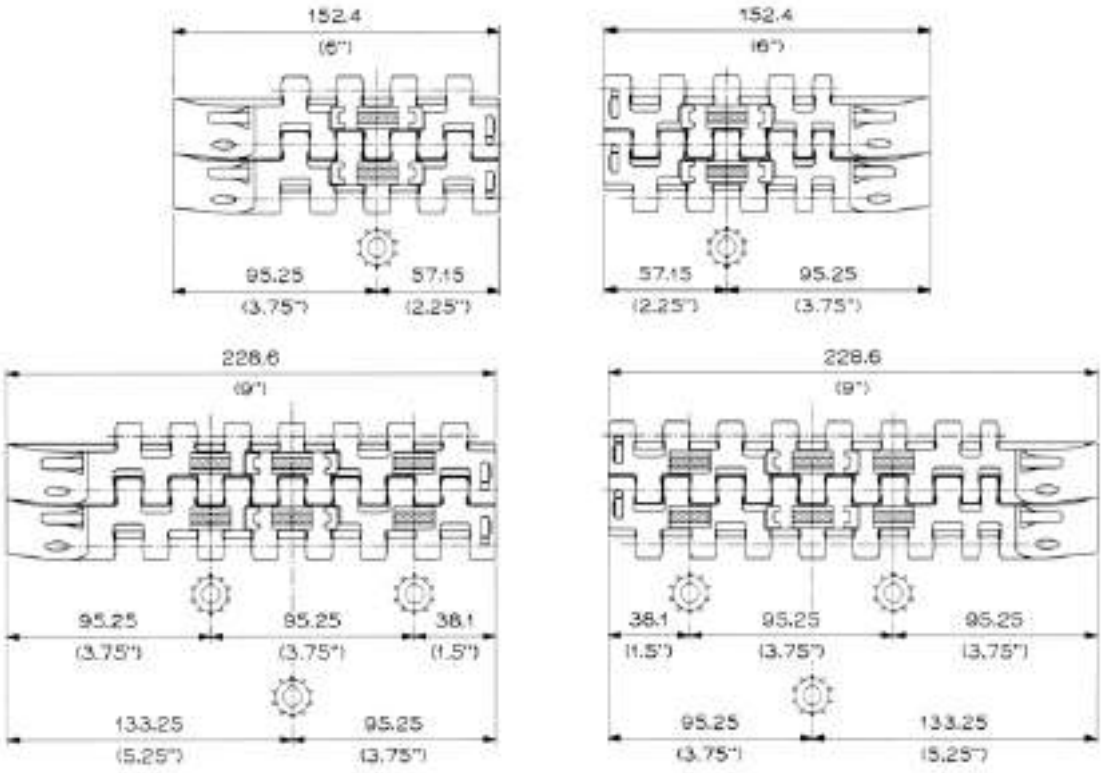
Please contact Application Engineers for a more detailed evaluation.

ACTIVE TRANSFER MODULES:

For USPGATM chain of 114,3 mm (4.5") wide, use N°1 drive sprocket and N°1 idler sprocket.
Please consider pocket positioning dimension of 57,15 mm (2.25") from chain edge.

For USPGATM chain of 190,5 mm (7.5") wide, N°2 drive sprockets and N°1 idler sprocket can be used.
For drive sprockets please consider pocket positioning dimension of 38,1 mm (1.5") from chain edge and 95,25 mm (3.75") spacing between other consecutive pocket.
For idler sprocket please consider pocket positioning dimension of 95,25 mm (3.75") from chain edge.

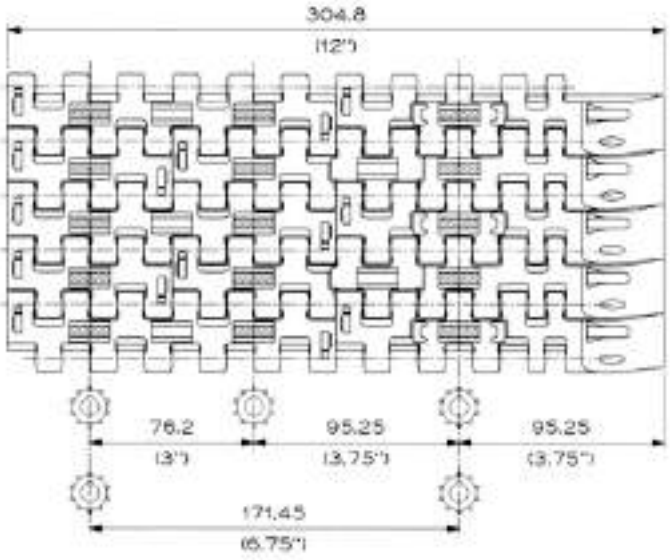
For lighter applications, N°1 drive sprocket and N°1 idler sprocket can be used.



ACTIVE TRANSFER MODULES MODULAR BELTS:

For USPGATM modular belts please consider, for drive sprocket, starting from wing side, the first pocket positioning dimension of 95,25 mm (3.75"), a spacing of 95,25 mm (3.75") between first and second pocket and a spacing of 76,2 mm (3") between other consecutive pockets.
For idler sprockets please consider, starting from wing side, the first pocket positioning dimension of 95,25 mm (3.75"), a spacing of 171,45 mm (6.75") between first and second pocket and a spacing of 152,4 mm (6") between other consecutive pockets.

The example refers to a 304,8 mm (12") wide belt.

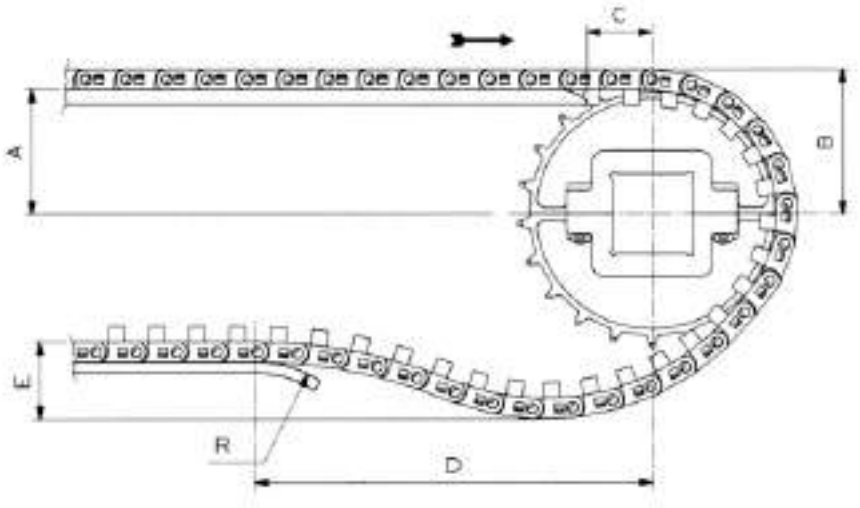


Please contact Application Engineers for a more detailed evaluation.

USP SERIES:

SPROCKETS/WEAR STRIP POSITIONING

Below is a belt and sprocket installation with a typical catenary arrangement. Particular care should be taken to ensure that rail or slider bed carry ways at the drive end of the conveyor are tapered or angled downward to ensure smooth entry of the chain.



Sprockets see pages 229÷231

N° OF TEETH Z	DIMENSIONS											
	A		B		C		D		E		R	
	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
8	26,8	1.06	39,5	1.56	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
10	34,7	1.37	47,4	1.87	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
13	46,7	1.84	59,4	2.34	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
14	50,7	2.00	63,4	2.50	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
15	54,7	2.15	67,4	2.65	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
16	58,8	2.31	71,5	2.81	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
18	66,8	2.63	79,5	3.13	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4
21	78,9	3.11	91,6	3.61	25	0.98	450-600	17.7-23.6	50-100	2-4	100	4

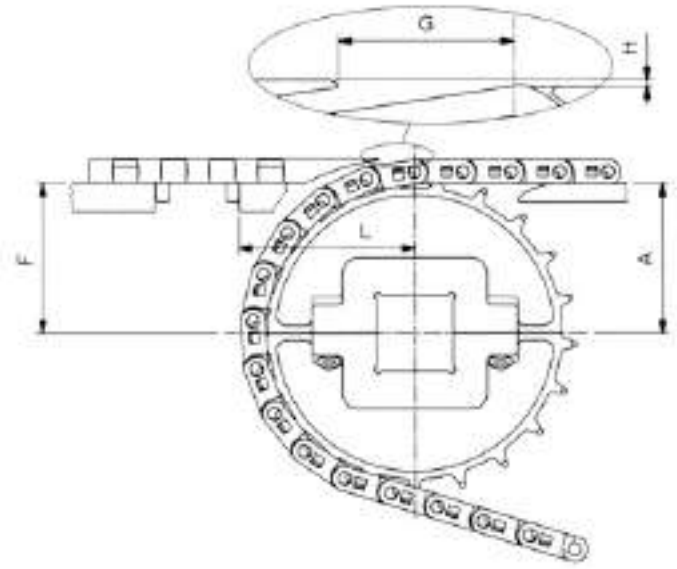
Please contact Application Engineers for a more detailed evaluation.

USP SERIES:

INSTALLATION DIMENSIONS FOR ACTIVE TRANSFER MODULES

When using the active transfer system, particular attention must be paid to the vertical oscillation of the take-away belt when engaging the sprocket (chordal effect): if excessive, it could cause unstable products to fall down during the head transfer.

The smaller the number of teeth, the larger the chordal effect (On take-away belts, the Z=21 is recommended)



Sprockets see pages 229÷231

N° OF TEETH Z	DIMENSIONS											
	A		F		G		H		L (K 4½ & Belts)		L (K 7½)	
	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
8	26,8	1.06	26,9	1.06	12,3	0.48	0,1	0.004	85,9	3.38	124	4.88
10	34,7	1.37	34,8	1.37	13,5	0.53	0,1	0.004	87,2	3.43	125,3	4.93
13	46,7	1.84	46,8	1.84	15,1	0.59	0,1	0.004	88,7	3.49	126,8	4.99
14	50,7	2.00	50,8	2.00	15,5	0.61	0,1	0.004	89,2	5.51	127,3	5.01
15	54,7	2.15	54,8	2.16	16,0	0.63	0,1	0.004	89,7	3.53	127,8	5.03
16	58,8	2.31	58,9	2.32	16,4	0.65	0,1	0.004	90,1	3.55	128,2	5.05
18	66,8	2.63	66,9	2.63	17,3	0.68	0,1	0.004	90,9	3.58	129	5.08
21	78,9	3.11	79	3.11	18,5	0.73	0,1	0.004	92,1	3.63	130,2	5.13

Note: Recommended that pre-production tests are carried out anda adjustments be made as necessary to both feed and discharge belts to achieve successful product transfer.

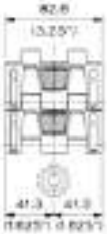
Please contact Application Engineers for a more detailed evaluation.

UCC SERIES:

SPROCKETS/POCKETS POSITIONING INSTRUCTIONS

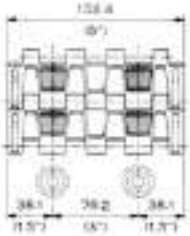
DEDICATED WIDTHS:

The following positioning instruction refers to applications with high product loads and long center to center distances, thus can be safely used for most of applications, either for drive shaft or idler shaft (please refer to draft below).
For some of the UCC chains listed below and for less demanding applications, the number of sprockets could be reduced.

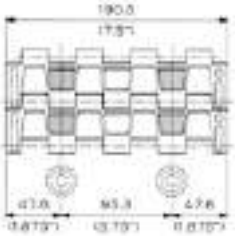


UCC 325

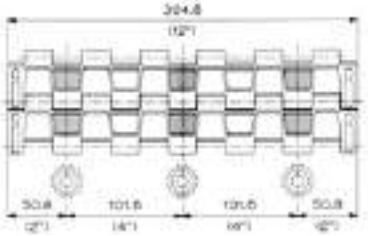
UCC 450



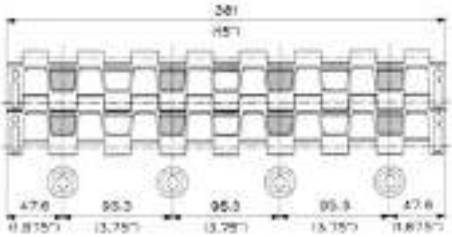
UCC 600



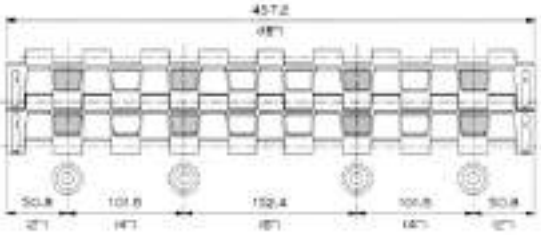
UCC 750



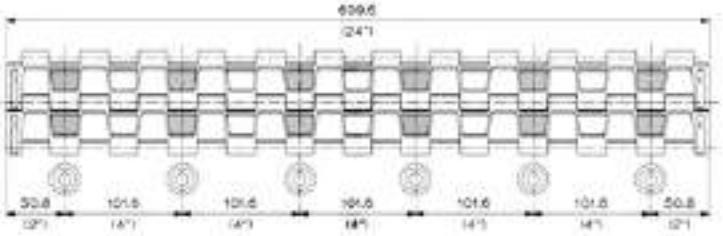
UCC 1200



UCC 1500

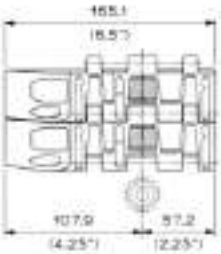


UCC 1800

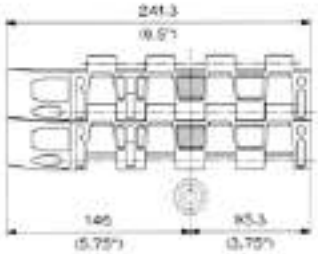


UCC 2400

ACTIVE TRANSFER MODULES:



UCC 450G ATM



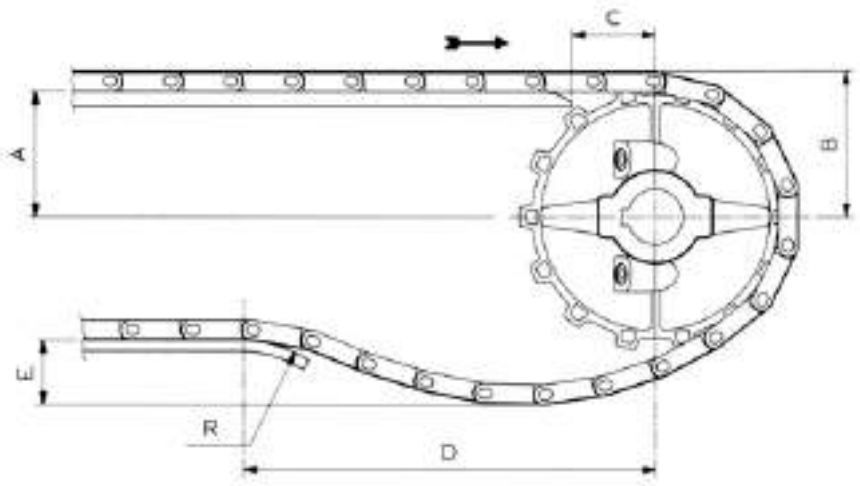
UCC 750G ATM

Please contact Application Engineers for a more detailed evaluation.

UCC SERIES:

SPROCKETS/WEAR STRIP POSITIONING

Below is a belt and sprocket installation with a typical catenary arrangement. Particular care should be taken to ensure that rail or slider bed carry ways at the drive end of the conveyor are tapered or angled downward to ensure smooth entry of the chain.



Sprockets
see page 232

N° OF TEETH Z	DIMENSIONS											
	A		B		C		D		E		R	
	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
12	67,3	2.65	80	3.15	38,1	1.5	600-1200	24-48	25-100	1-4	25-30	1-1.18
14	79,3	3.12	92	3.62	38,1	1.5	600-1200	24-48	25-100	1-4	25-30	1-1.18

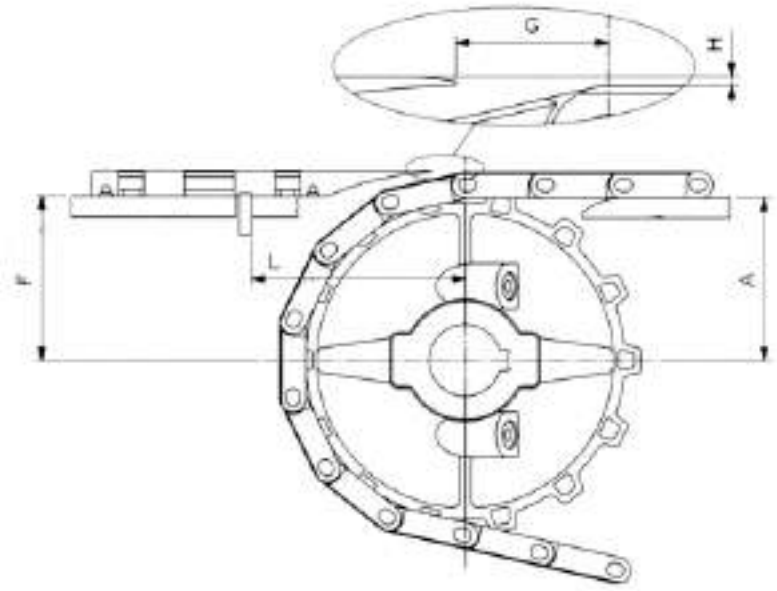
Please contact Application Engineers for a more detailed evaluation.

UCC SERIES:

INSTALLATION DIMENSIONS FOR ACTIVE TRANSFER MODULES

When using the active transfer system, particular attention must be paid to the vertical oscillation of the take-away belt when engaging the sprocket (chordal effect): if excessive, it could cause unstable products to fall down during the head transfer.

The smaller the number of teeth, the larger the chordal effect (On take-away belts, the Z=14 is recommended)



Sprockets
see page 232

N° OF TEETH Z	DIMENSIONS											
	A		F		G		H		L (K 450)		L (K 750)	
	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
12	67,3	2.65	67,8	2.67	14,9	0.59	0,5	0.02	102,3	4.03	110,5	4.35
14	79,3	3.12	79,8	3.14	16	0.63	0,5	0.02	103,4	4.07	111,6	4.39

Note: Recommended that pre-production tests are carried out and adjustments be made as necessary to both feed and discharge belts to achieve successful products transfer.

Please contact Application Engineers for a more detailed evaluation.

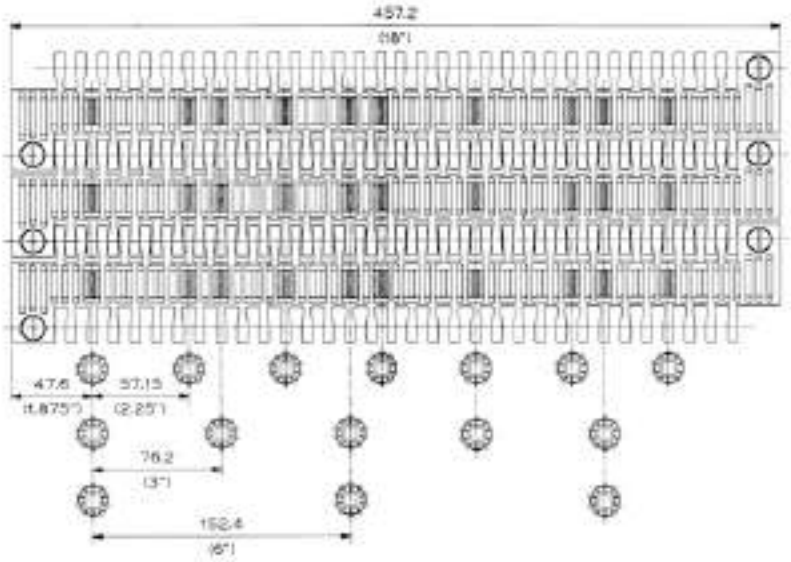
3120 - 3110 - C24 CAM-CLEAN® SERIES:

SPROCKETS/POCKETS POSITIONING INSTRUCTIONS

3120:

Please always consider the same first pocket position dimension of 47,6 mm (1.875") from belt edge, and 76,2 mm (3") spacing between other consecutive pockets.
A spacing of 152,4 mm (6") between idler sprockets should normally be used on idler shaft.
For applications with long center to center distances and high loads a spacing of 57,15 mm (2.25") is recommended.

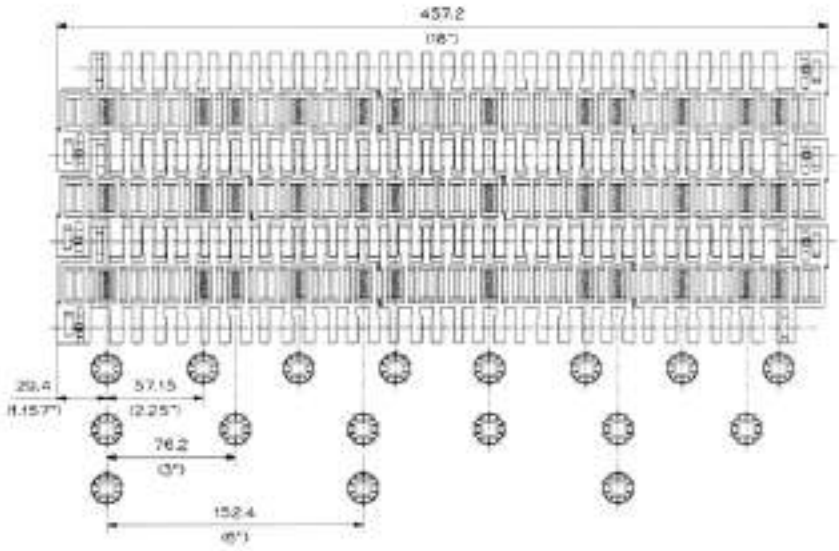
The example refers to a 457,2 mm (18") wide belt.



3110:

Please always consider the same first pocket position dimension of 29,4 mm (1.157") from belt edge, and 76,2 mm (3") spacing between other consecutive pockets.
A spacing of 152,4 mm (6") between idler sprockets should normally be used on idler shaft.
For applications with long center to center distances and high loads a spacing of 57,15 mm (2.25") is recommended.

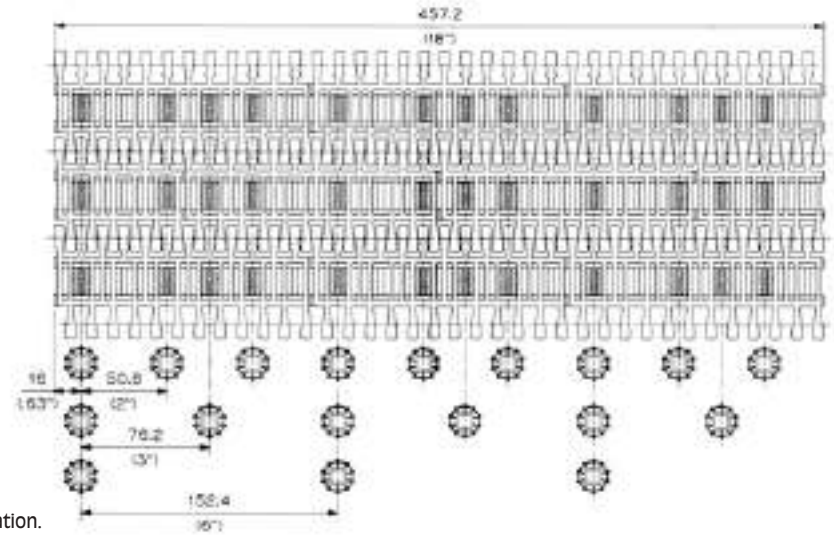
The example refers to a 457,2 mm (18") wide belt.



C 24 CAM-CLEAN®:

Please always consider the same first pocket position dimension of 16 mm (.63") from belt edge, and 76,2 mm (3") spacing between other consecutive pockets.
A spacing of 152,4 mm (6") between idler sprockets should normally be used on idler shaft.
For applications with long center to center distances and high loads a spacing of 50,8 mm (2") is recommended.

The example refers to a 457,2 mm (18") wide belt.

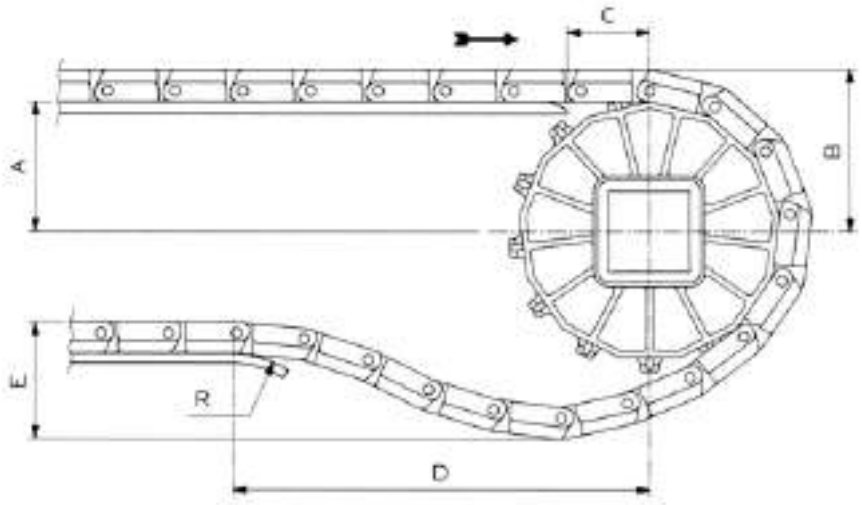


Please contact Application Engineers for a more detailed evaluation.

3120 - 3110 - C24 CAM-CLEAN® SERIES:

SPROCKETS/WEAR STRIP POSITIONING

Below is a belt and sprocket installation with a typical catenary arrangement. Particular care should be taken to ensure that rail or slider bed carry ways at the drive end of the conveyor are tapered or angled downward to ensure smooth entry of the chain.



Sprockets see pages 234÷235

N° OF TEETH Z	DIMENSIONS											
	A		B		C		D		E		R	
	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
10	74,30	2.93	125,10	4.93	50	1.97	450-600	17.7-23.6	50-100	2-4	200	7.87
13	98,20	3.87	149,00	5.87	50	1.97	450-600	17.7-23.6	50-100	2-4	200	7.87
16	122,30	4.81	173,10	6.81	50	1.97	450-600	17.7-23.6	50-100	2-4	200	7.87

Please contact Application Engineers for a more detailed evaluation.