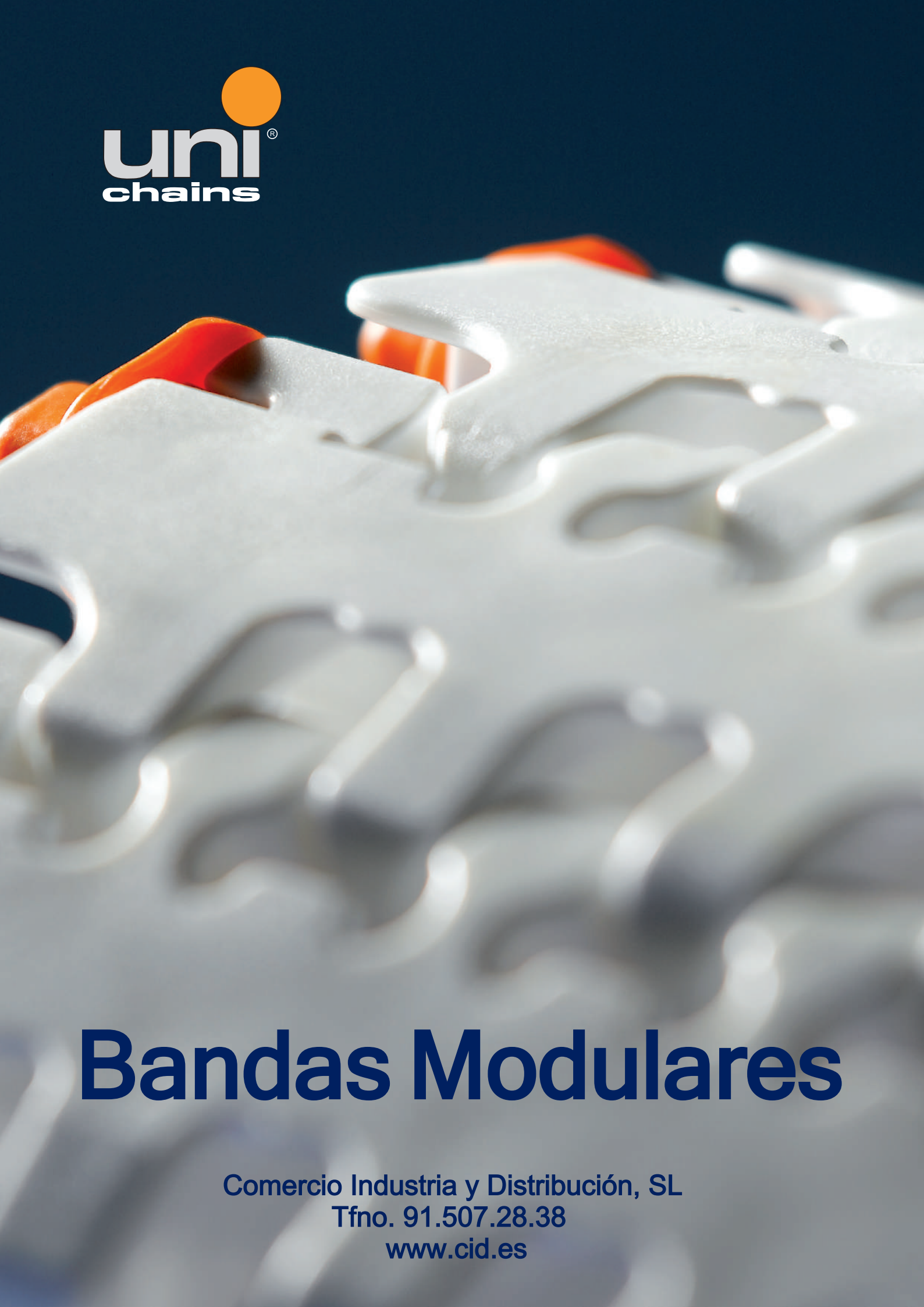
uni chains



Bandas Modulares

Comercio Industria y Distribución, SL
Tfno. 91.507.28.38
www.cid.es

Índice de bandas

Standard

- Sideflexing both directions
- Sideflexing one travel direction
- Straight running both directions
- Straight running one travel direction
- Patent pending or patented
- Pin diameter
- Pitch
- Materials
- Backflex radius
- Sprockets
- Two-part sprockets
- Retainer ring
- Rubber inserts
- Idler
- Pin
- Lockpin
- Solid lockpin
- Snap Pin A1
- Snap Pin A2
- G-lock
- Rodlock
- Trilock
- Endlock
- AmFlight

Accessories

- Tab
- Product support
- Finger plate
- Side guard
- Reinforcement link
- Lane divider

Standard and alternative Belt Colors

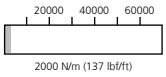
B Blue	G Grey	O Orange
BR Brown	K Black	P Purple
D Red	LG Light Grey	T Tan (Beige)
DG Dark Grey	I Ivory	W White
E Green	N Natural	Y Yellow
DD Dark Red	DB Dark Blue	LB Light Blue

Bandas Para Tramo Recto

Paso 8.00 mm (0.32 in)

uni NTB

Esfuerzo admisible (POM)



Paso 12.7 mm (0.50 in)

uni M-OWL

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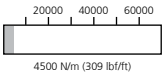
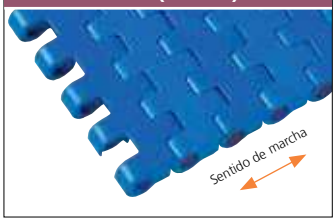


Paso 12.7 mm (0.50 in)



uni M-QNB

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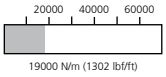
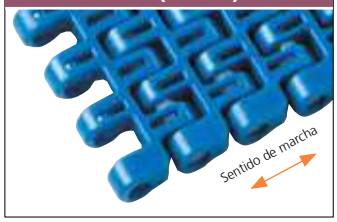


Paso 12.7 mm (0.50 in)



uni M-SNB M3

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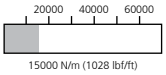
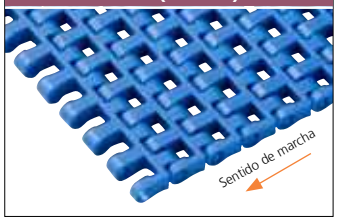


Paso 12.7 mm (0.50 in)



uni M-TTB

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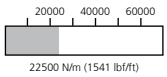
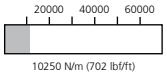


Paso 19.1 mm (0.75 in)

uni Light

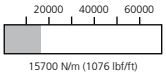
Esfuerzo admisible (POM)



Paso 25.4 mm (1.00 in)

uni CNB

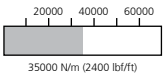
Esfuerzo admisible (POM)



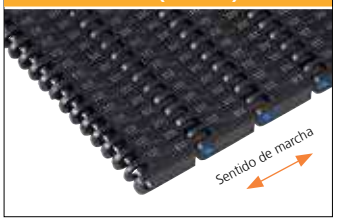
Paso 25.4 mm (1.00 in)

uni JCB Y

Esfuerzo admisible (POM)



Paso 25.4 mm (1.00 in)



uni LPB

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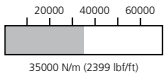
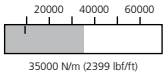


Paso 25.4 mm (1.00 in)

uni QNB

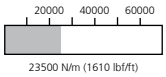
Esfuerzo admisible (POM)



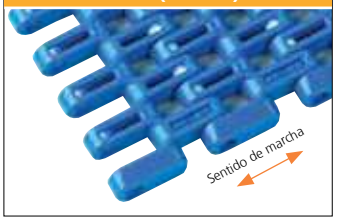
Paso 25.4 mm (1.00 in)

uni S-MPB

Esfuerzo admisible (POM)

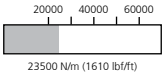


Paso 25.4 mm (1.00 in)

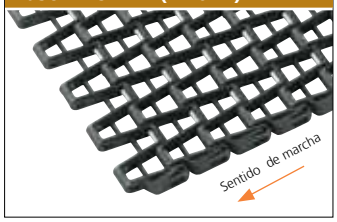


uni SNB M2

Esfuerzo admisible (POM)

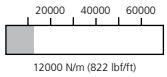


Paso 27.9 mm (1.10 in)



uni OWL

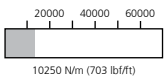
Esfuerzo admisible (POM)



Paso 38.1 mm (1.50 in)

uni Light EP

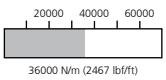
Esfuerzo admisible (POM)



Paso 38.1 mm (1.50 in)

uni SSB

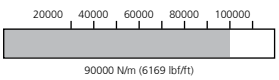
Esfuerzo admisible (POM)



Pitch 40.0 mm (1.57 in)

uni ACB

Esfuerzo admisible (POM)

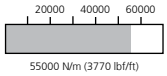


Bandas Para Tramo Recto

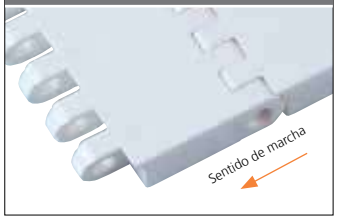
Paso 50.0 mm (1.97 in)

uni L-SNB

Esfuerzo admisible (POM)



Paso 50.0 mm (1.97 in)



uni OPB

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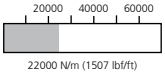
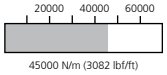


Paso 50.8 mm (2.00 in)

uni BLB

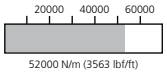
Esfuerzo admisible (POM)



Paso 50.8 mm (2.00 in)

uni CPB

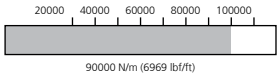
Esfuerzo admisible (POM)



Paso 50.8 mm (2.00 in)

uni CSB

Esfuerzo admisible (POM)

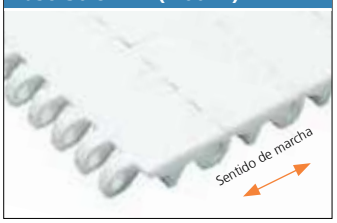


Paso 50.8 mm (2.00 in)

uni ECB

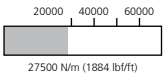
Esfuerzo admisible (POM)

Paso 50.8 mm (2.00 in)



uni MPB

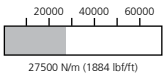
Esfuerzo admisible (POM)



Paso 50.8 mm (2.00 in)

uni RTB M1

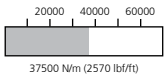
Esfuerzo admisible (POM)



Paso 63.5 mm (2.50 in)

uni X-MPB

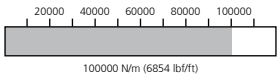
Esfuerzo admisible (POM)



Paso 63.5 mm (2.50 in)

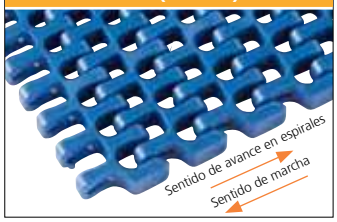
uni XLB

Esfuerzo admisible (POM)



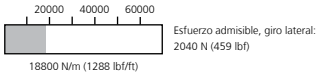
Bandas Para Tramo Curvo

Paso 25.4 mm (1.00 in)



uni Flex ASB

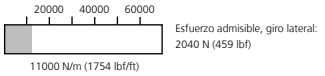
Esfuerzo admisible (POM)



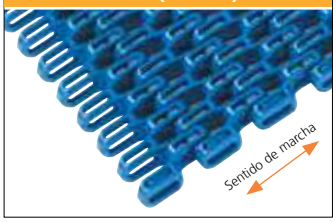
Paso 25.4 mm (1.00 in)

uni Flex OSB

Esfuerzo admisible (POM)

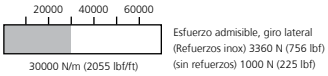


Paso 25.4 mm (1.00 in)



uni Flex SNB

Esfuerzo admisible (POM)



Paso 38.1 mm (1.50 in)

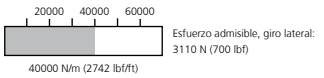
uni Flex ONE

Esfuerzo admisible (POM)

Paso 50.8 mm (2.00 in)

uni Flex L-ASB

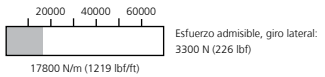
Esfuerzo admisible (POM)



Pasp 50.8 mm (2.00 in)

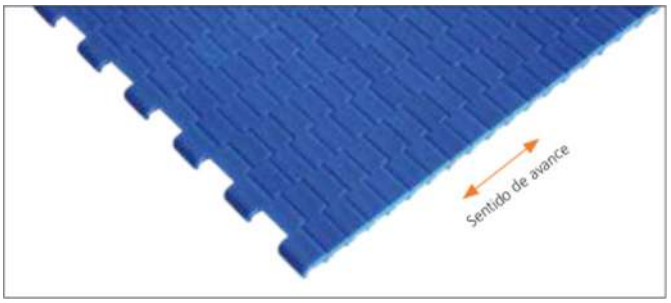
uni Flex L-OSB

Esfuerzo admisible (POM)



Información de producto

uni NTB – Nano Transfer Belt



Materiales y colores disponibles	POM-D B
Material de la varilla y color	PA6.6 B

Cuando transportamos productos de dimensiones reducidas o frágiles, disponer de transferencias ajustadas permite mantener la orientación del producto sobre la banda y evita daños al producto. Asimismo, a diferencia de otras soluciones existentes en el mercado, el montaje y desmontaje de la banda modular facilita su limpieza y mantenimiento.

Con estos requisitos en mente, Ammeraal Beltech ha desarrollado la uni Nano Transfer Banda, con un paso minimizado a 8 mm, que le permite girar sobre un diámetro de 6 mm.

La uni NTB es ideal para transportadores cortos < 2m, donde existan dificultades de guiado o de montaje de bandas de tejido. El sencillo y eficaz diseño autocentrable de los piñones de transmisión facilitan su funcionamiento.

La uni NTB encaja a la perfección en el sector de la panificación y dulces, gracias a su superficie cerrada. Ello evita la retención de migas y restos de harina y azucares. El reverso de la banda uni NTB esta diseñado para facilitar su limpieza.

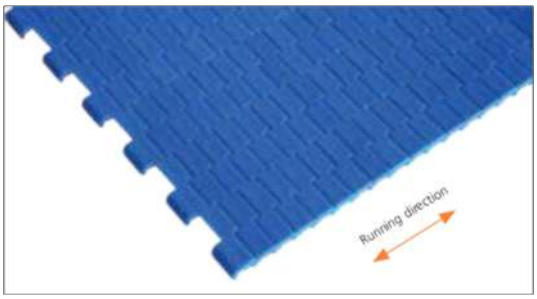
VENTAJAS COMPETITIVAS

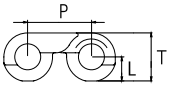
- Paso reducido optimizado para transferencias ajustadas
- Apta para trabajo sobre canto de cuchilla r 3 mm
- Diseño autocentrable de los piñones de transmisión
- Superficie cerrada que evita la acumulación de suciedad
- Su diseño facilita su limpieza en profundidad
- Larga vida útil que evita incidencias indeseadas en su producción

EN

Plastic Modular Belt

Serie **uni NTB** Type **C**





Straight Running Belt
Nominal pitch: 8.0 mm (0.32 in)
Surface type: Flat
Surface opening: Closed
Backflex radius: R6 mm (0.24 in)
Pin diameter: 3.0 mm (0.12 in)

Belt material & color	POM-D B
Pin material & color	PA6.6 B

	mm	in		mm	in
P (Nominal)	8.0	0.32	**T**	6.00	0.24
L	3.00	0.12	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min No drive sprocket per shaft	Number of wear strips (min no)	
		POM-D/PA6.6		POM-D/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	Kg/m	lb/ft			
153	6.0	337	76	0.7	0.49	2	2	2
229	9.0	504	113	1.1	0.73	3	3	2
305	12.0	671	151	1.5	0.98	4	4	2
381	15.0	838	188	1.8	1.22	4	4	2
458	18.0	1008	227	2.2	1.47	5	5	3
534	21.0	1175	264	2.5	1.71	6	6	3
610	24.0	1342	302	2.9	1.95	7	7	4
686	27.0	1509	339	3.3	2.19	7	7	4
762	30.0	1676	377	3.6	2.44	8	8	4
839	33.0	1846	415	4.0	2.68	9	9	5
915	36.0	2013	453	4.4	2.93	10	10	5
991	39.0	2180	490	4.7	3.17	10	10	5

Additional standard belt widths are available in steps of 76.2 mm (3.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1448	57.0	3186	716	6.9	4.63	15	15	8

Additional standard belt widths are available in steps of 76.2 mm (3.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1982	78.0	4360	980	9.4	6.34	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 200N (44 lbf).
**Max. Spacing between wear strips, Carry: 102 mm (4 in); Return: 203 mm (8 in).
= Single Link

STANDARD

STRAIGHT RUNNING

PITCH 8.0 MM/0.32 IN

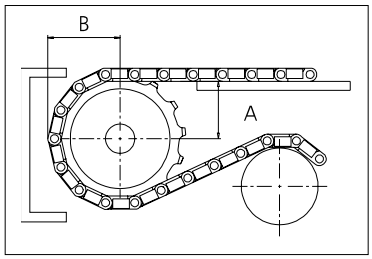
Sprocket

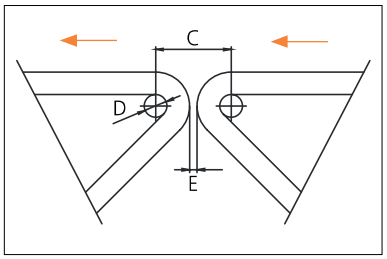
No. of teeth	Bore size										Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	LG PA6 Molded	N PA6 Machined
	Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57														
		mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	mm	in	mm	in	mm	in	mm	in	mm	in				
Z24	x		●		●						61.3	2.41	61.3	2.41	57.3	2.26	27.38	1.08	33.65	1.32		x		x
Z32	x		●							■	81.6	3.21	81.7	3.21	77.6	3.06	37.61	1-48	43.8	1.72		x		x
Z48	x		●							■	122.7	4.83	122.4	4.81	118.7	4.67	58.03	2.28	64.16	2.52		x		x
Z60	x		●							■	152.9	6.02	152,9	6.02	148.9	5.86	73.32	2.88	79.43	3.13		x		x

■ **Machined sprocket** ● **Machined sprocket**

Non standard material and color: See uni Material and Color Overview.

Nosebars Min. Dimensions



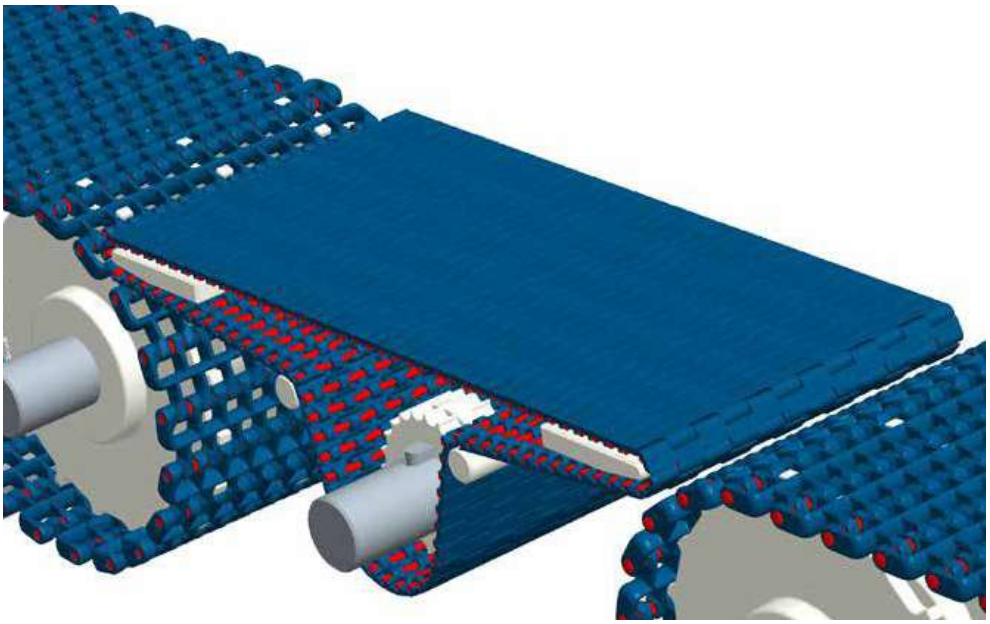


	mm	in
C	20.0	0.79
D	6.0	0.24
E	2.0	0.08

Other sprocket sizes are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet.
Width of tooth = 9.0 mm (0.35 in)
Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni NTB.
For more detailed sprocket information, contact Customer Service.



Pitch 12.7 mm (0.50 in.)

uni M-QNB – the high speed and tight transfer belt

The uni M-QNB is developed for tight transfer and high speed conveyors in both food and non food industries. The 0.5 in. pitch, bi-directional belt ensures product stability even in nosebar and high speed applications thanks to the rounded bottom surface.

The uni M-QNB belt increases performance in the following industries/applications:

- Bakery applications including dough handling, general conveyance and packaging lines
- Meat applications including tray pack lines and metal detectors
- Seafood applications including grading lines and weighing lines
- Beverage applications including depalletizers, accumulation tables and acceleration lines
- Can manufacturing applications including palletizers, mass handling and accumulation tables
- Corrugated applications including downstacker, corrugator take off, transfer car and WIP storage

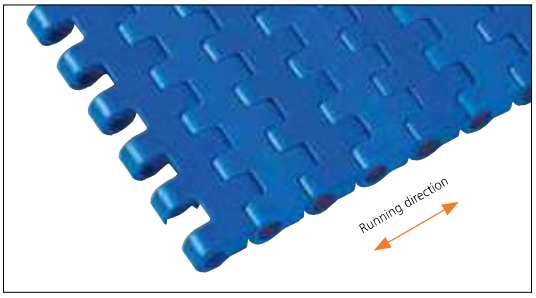
Product features and operational benefits:

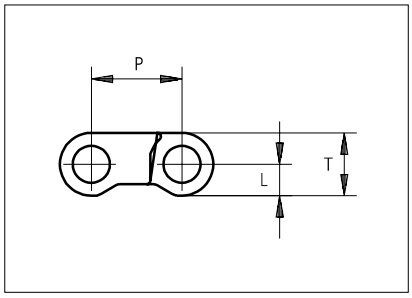
- Less vibration in high speed and nosebar applications
- Wear resistance in high speed applications with tight transfers
- Strong bi-directional belt for longer conveyors
- Unique lockpin locking system for easy maintenance
- Unique sprocket engagement reducing pulsation
- Unique Rubber Top eliminating wear and increasing friction in incline or acceleration applications

EN

Plastic Modular Belt

Series **uni M-QNB** Type **C**





Straight running belt
Nominal pitch: 12.7 mm (0.50 in)
Surface type: Flat
Surface opening: Closed
Backflex radius: 20.0 mm (0.80 in)
Pin diameter: 5 mm (0.20 in)

STANDARD

STRAIGHT RUNNING

PITCH 12.7 MM/0.50 IN

Belt material & color	POM-SLF B	PP W G	PP B	PE B	POM-EC K
Pin material & color	PP B	PP W	PP B	PE N	PP B

	mm	in		mm	in
P (Nominal)	12.7	0.50	**T**	8.8	0.35
L	4.4	0.17	-	-	-

Non standard material and color: See uni Material and Color Overview.

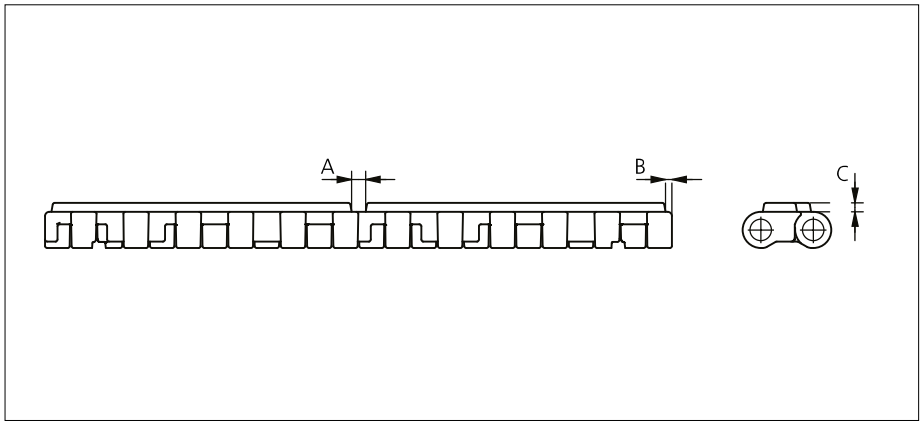
Alternative pin and lock materials: Solid Lockpin: PA6.6 D Lockpin: PBT LG PA6.6 N D PP B PE N

Belt width		**Permissible tensile force (Belt/pin material)**						**Belt weight (Belt/pin material)**						***Min. No. drive sprocket per shaft**	**Number of wear strips (Min. No.)**	
		POM-SFL/PP POM-EC/PP		**PP/PP**		**PE/PE**		**POM-SFL/PP POM-EC/PP**		**PP/PP**		**PE/PE**			****Carry (pcs)**	****Return (pcs)**
mm	**in**	**N**	**lbf**	**N**	**lbf**	**N**	**lbf**	**kg/m**	**lb/ft**	**kg/m**	**lb/ft**	**kg/m**	**lb/ft**			
25	1.0	475	107	325	73	200	45	0.2	0.14	0.2	0.10	0.1	0.10	1	1	1
39	1.5	741	167	507	114	312	70	0.3	0.21	0.2	0.16	0.2	0.15	1	1	1
45	1.8	855	192	585	132	360	81	0.4	0.25	0.3	0.18	0.3	0.18	2	1	1
77	3.0	1463	329	1001	225	616	138	0.6	0.42	0.5	0.32	0.5	0.31	2	2	2
153	6.0	2907	653	1989	447	1224	275	1.3	0.84	0.9	0.63	0.9	0.61	2	2	2
229	9.0	4351	978	2977	669	1832	412	1.9	1.26	1.4	0.94	1.4	0.91	3	2	2
305	12.0	5795	1303	3965	891	2440	549	2.5	1.68	1.9	1.25	1.8	1.21	4	3	2
382	15.0	7258	1632	4966	1116	3056	687	3.1	2.11	2.3	1.57	2.3	1.51	4	3	2
458	18.0	8702	1956	5954	1338	3664	824	3.8	2.52	2.8	1.88	2.7	1.82	5	4	2
534	21.0	10146	2281	6942	1561	4272	960	4.4	2.94	3.3	2.19	3.2	2.12	6	4	2
610	24.0	11590	2605	7930	1783	4880	1097	5.0	3.36	3.7	2.50	3.6	2.42	7	5	3
687	27.0	13053	2934	8931	2008	5496	1236	5.6	3.79	4.2	2.82	4.1	2.72	7	5	3
763	30.0	14497	3259	9919	2230	6104	1372	6.3	4.20	4.7	3.13	4.5	3.03	8	6	3
Additional standard belt widths are available in steps of 76.3 mm (3.00 in.) Additional non-standard belt widths are available in steps of 38.1 mm (1.50 in.)																
1983	78.1	37677	8470	25779	5795	15864	3566	16.3	10.93	12.1	8.13	11.7	7.86	20	14	7
Additional standard belt widths are available in steps of 76.3 mm (3.00 in.) Additional non-standard belt widths are available in steps of 38.1 mm (1.50 in.)																
2974	117.1	56506	12703	38662	8691	23792	5348	24.4	16.39	18.1	12.19	17.5	11.79	30	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
The belt width in PE is 0.3 % wider than the belt width in the table.
*Max. Load per Drive Sprocket. Belt material: POM-SLF 1000 N (225 lbf), PP 800 N (180 lbf), PE 800 N (180 lbf), POM-EC 1000 N (225 lbf).
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).
= Single Link

Accessories

Rubber Top

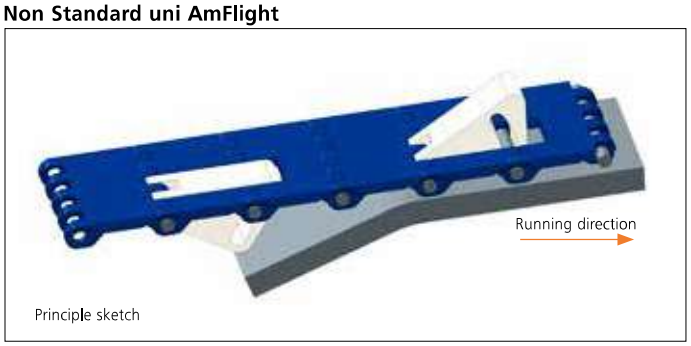


Type	Belt material & color	Rubber material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Flat	PP W	03 N	3.4	0.13	1.5	0.06	2.2	0.09	K300	75.8	2.98
	PP G	03 K							K600	152.0	5.98

Non Standard material and color: See uni Material and Color Overview.
Rubber Top is not avaliable in belt width below 77 mm (3 in).

Accessories

Non Standard uni AmFlight

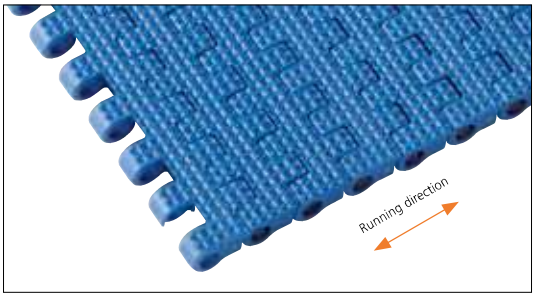


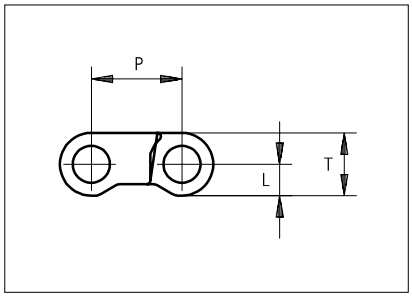
Other Non Standard option: See uni AmFlight Overview.

EN

Plastic Modular Belt

Series **uni M-QNB** Type **NS**





Straight running belt
Nominal pitch: 12.7 mm (0.50 in)
Surface type: Flat
Surface opening: Closed
Backflex radius: 20.0 mm (0.80 in)
Pin diameter: 5.0 mm (0.20 in)

Belt material & color	POM-SLF **B**	PE **B**
Pin material & color	PP **B**	PE **N**

	mm	in		mm	in
P (Nominal)	12.7	0.50	**T**	8.8	0.35
L	4.4	0.17	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PBT **LG** PA6.6 **N** **D** PP **B** PE **N**

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-SLF/PP		PE/PE		POM-SLF/PP		PE/PE			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	1463	329	616	138	0.6	0.42	0.5	0.31	2	2	2
153	6.0	2907	653	1224	275	1.3	0.84	0.9	0.61	2	2	2
229	9.0	4351	978	1832	412	1.9	1.26	1.4	0.91	3	2	2
305	12.0	5795	1303	2440	549	2.5	1.68	1.8	1.21	4	3	2
382	15.0	7258	1632	3056	687	3.1	2.11	2.3	1.51	4	3	2
458	18.0	8702	1956	3664	824	3.8	2.52	2.7	1.82	5	4	2
534	21.0	10146	2281	4272	960	4.4	2.94	3.2	2.12	6	4	2
610	24.0	11590	2605	4880	1097	5.0	3.36	3.6	2.42	7	5	3
687	27.0	13053	2934	5496	1236	5.6	3.79	4.1	2.72	7	5	3
763	30.0	14497	3259	6104	1372	6.3	4.20	4.5	3.03	8	6	3
839	33.0	15941	3584	6712	1509	6.9	4.62	5.0	3.33	9	6	3
915	36.0	17385	3908	7320	1646	7.5	5.04	5.4	3.63	10	7	4
992	39.1	18848	4237	7936	1784	8.1	5.47	5.9	3.93	10	7	4
Additional standard belt widths are available in steps of 76.3 mm (3.00 in.) Additional non-standard belt widths are available in steps of 38.1 mm (1.50 in.)												
1983	78.1	37677	8470	15864	3566	16.3	10.93	11.7	7.86	20	14	7
Additional standard belt widths are available in steps of 76.3 mm (3.00 in.) Additional non-standard belt widths are available in steps of 38.1 mm (1.50 in.)												
2974	117.1	56506	12703	23792	5348	24.4	16.39	17.5	11.79	30	20	10

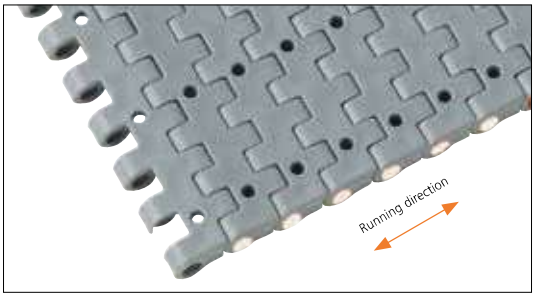
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-SLF 1000 N (225 lbf), PE 800 N (180 lbf)
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)
= Single Link

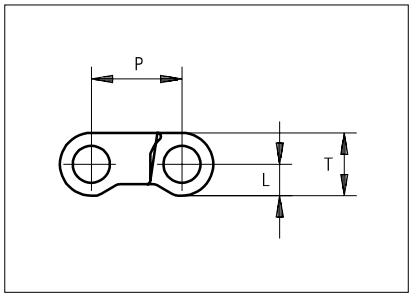
STANDARD
STRAIGHT RUNNING
PITCH 12.7 MM/0.50 IN

EN

Plastic Modular Belt

Series **uni M-QNB** Type **Vacuum**





Straight running belt
Nominal pitch: 12.7 mm (0.50 in)
Surface type: Flat
Surface opening: Closed
Backflex ravdius: 20.0 mm (0.80 in)
Pin diameter: 5 mm (0.20 in)

Vacuum holes: ø3.2 mm (0.12 in)

Recommended belt material & color	PP G
Recommended pin material & color	PP W

	mm	in		mm	in
P (Nominal)	12.7	0.50	**T**	8.8	0.35
L	4.4	0.17	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PBT LG PA6.6 N D PP B PE N

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP/PP		PP/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
77	3.0	1001	225	0.5	0.32	2	2	2
153	6.0	1989	447	0.9	0.63	2	2	2
229	9.0	2977	669	1.4	0.94	3	2	2
305	12.0	3965	891	1.9	1.25	4	3	2
382	15.0	4966	1116	2.3	1.57	4	3	2
458	18.0	5954	1338	2.8	1.88	5	4	2
534	21.0	6942	1561	3.3	2.19	6	4	2
610	24.0	7930	1783	3.7	2.50	7	5	3
687	27.0	8931	2008	4.2	2.82	7	5	3
763	30.0	9919	2230	4.7	3.13	8	6	3
839	33.0	10907	2452	5.1	3.44	9	6	3
915	36.0	11895	2674	5.6	3.75	10	7	4
992	39.1	12896	2899	6.1	4.07	10	7	4
Additional standard belt widths are available in steps of 76.3 mm (3.00 in.) Additional non-standard belt widths are available in steps of 38.1 mm (1.50 in.)								
1983	78.1	25779	5795	12.1	8.13	20	14	7
Additional standard belt widths are available in steps of 76.3 mm (3.00 in.) Additional non-standard belt widths are available in steps of 38.1 mm (1.50 in.)								
2974	117.1	38662	8691	18.1	12.19	30	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: PP 800 N (180 lbf)
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)
= Single Link

NON STANDARD

STRAIGHT RUNNING

PITCH 12.7 MM/0.50 IN

Sprocket

No. of teeth	Bore size									Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Single row/Two way	PA6 LG Molded
	Pilot bore	in	0.78	**1.00**	1.18	**1.25**	**1.50**	1.57	2.36												
		mm	**18.0**	25.4	**30.0**	31.8	38.1	**40.0**	**60.0**	mm	in	mm	in	mm	in	mm	in	mm	in		
Z10	✓		●							41.3	1.63	41.1	1.62	28.0	1.10	15.2	0.60	25	0.98	✓	✓
Z19	✓			● ■	●	●	■	● ■		78.3	3.06	77.2	3.04	65.0	2.56	33.7	1.33	43	1.69	✓	✓
Z28	✓			●	●	●	■	● ■		114.9	4.52	113.4	4.46	65.0	2.56	52	2.05	61.1	2.41	✓	✓
Z28									■	114.9	4.52	113.4	4.46	100.0	3.93	52	2.05	61.1	2.41	✓	✓
Z38	✓					●	● ■	● ■		155.5	6.12	153.8	6.06	75.0	2.95	72.2	2.84	81.3	3.20	✓	✓

■ **Molded sprocket**

● **Molded sprocket**

Other sprocket sizes are available upon request.
Other bore sizes on sprockets are available upon request.
Round bores are always delivered with keyway.
Max. load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

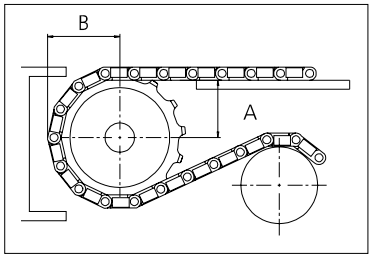
Width of tooth = Single row: 7.0 mm (0.28 in)

Width of One-part sprocket = Single row: 20.0 mm (0.79 in)

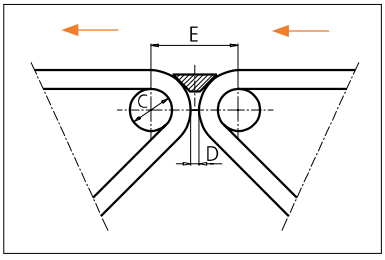
uni UltraClean Two-Part Sprocket

No. of teeth	Bore size			Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Single row/Two way	PA6 W Moulded
	in	**1.50**	1.57												
	mm	38.1	**40.0**	mm	in	mm	in	mm	in	mm	in	mm	in		
Z28		■	■	114.9	4.52	113.4	4.46	80.0	3.15	52.0	2.05	61.1	2.41	✓	✓
Z38			■	155.5	6.12	153.8	6.06	126.0	4.96	72.2	2.84	81.3	3.20	✓	✓

■ **Moulded uni UltraClean TwoPart Sprocket**



Nosebars Min. Dimensions



	mm	in
C	20.0	0.79
D	4.0	0.16
E	41.6	1.64

Width of UltraClean Two-part sprocket = Single row: 44.0 mm (1.73 in)

Width of UltraClean Two-part sprocket, tooth = Single row: 7.0 mm (0.28 in)

uni Retainer Rings: See uni Retainer Ring data sheet.
For correct sprocket position: See uni Assembly Instructions for uni M-QNB.
For more detailed sprocket information. contact Customer Service.

Pitch 12.7 mm (0.50 in.)

uni M-TTB and uni M-TTB CS

This new generation 0.5 in. pitch belts offers a unique, easy cleanable surface in combination with self-lubricating POM-D material. The 37% open belt can run over a 19 mm (0.75 in.) nose bar and is a perfect solution for food processing belts in cooling, freezing, drying or proofing applications

The curved surface of the uni M-TTB CS belt offers a minimal contact area of 10% and a smooth transfer. In combination with a 15 tooth sprocket, it forms a circle allowing a scraper against the belt.

The uni M-TTB series improves performance in the following industries:

- Bakery industry including dough transport, cooling lines, internal transport, metal detectors and packaging lines
- Seafood applications including tray packing lines
- Meat & poultry applications including packaging lines
- Can making/filling lines and accumulation tables

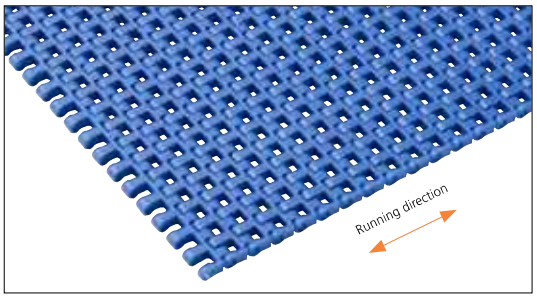
Product features and operational benefils:

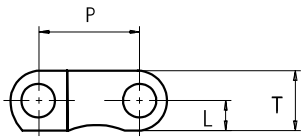
- Improved strength enabling longer conveyors
- Standard POM-D material containing a self-lubricating component, improving non-stick characteristics and reducing friction
- Easy to clean thanks to improved hygienic design of the hinges
- Efficient product transfer and less product contact area (efficient cooling) with the curved surface design
- Easy retrofitting

EN

Plastic Modular Belt

Serie **uni M-TTB** Type **37%**





Straight Running
Nominal pitch: 12.7 mm (0.50 in)
Surface type: Flat
Surface opening: 37%
Backflex radius: 12.5 mm (0.49 in)
Min flex diameter (nosebar):
19.1 mm (0.75 in)
Pin diameter: 4.0 mm (0.16 in)

Belt material & color	PP W B	POM-D W B
Pin material & color	PP W	PA6.6 B

	mm	in		mm	in
P (Nominal)	12.7	0.50	**T**	7.5	0.29
L	3.8	0.15	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin material: PA6.6 B PP W

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min No drive sprocket per haft	Number of wear strips (min no)	
		POM-D/PA6.6		PP/PP		POM-D/PA6.6		PP/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	1733	389	1001	225	0.4	0.30	0.3	0.22	2	2	2
154	6.1	3464	779	2002	450	0.9	0.60	0.6	0.43	2	2	2
231	9.1	5196	1168	3002	675	1.3	0.90	1.0	0.65	3	2	2
308	12.1	6927	1557	4003	900	1.8	1.20	1.3	0.87	4	3	2
385	15.2	8659	1947	5003	1125	2.2	1.50	1.6	1.09	4	3	2
462	18.2	10391	2336	6004	1350	2.7	1.80	1.9	1.30	5	4	2
539	21.2	12122	2725	7004	1575	3.1	2.10	2.3	1.52	6	4	2
616	24.2	13854	3114	8005	1799	3.6	2.40	2.6	1.74	7	5	3
693	27.3	15586	3504	9005	2024	4.0	2.70	2.9	1.96	7	5	3
770	30.3	17317	3893	10006	2249	4.5	3.00	3.2	2.17	8	6	3
847	33.3	19049	4282	11006	2474	4.9	3.30	3.6	2.39	9	6	3
924	36.4	20781	4671	12007	2699	5.4	3.60	3.9	2.61	10	7	4
1001	39.4	22512	5061	13007	2924	5.8	3.90	4.2	2.82	11	7	4

Additional standard belt widths are available in steps of 77.0 mm (3.03 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

2002	78.8	45045	10126	26026	5851	11.6	7.80	8.4	5.65	21	14	7

Additional standard belt widths are available in steps of 77.0 mm (3.03 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

2925	115.2	65813	14795	38025	8548	17.0	11.40	12.3	8.26	30	20	10

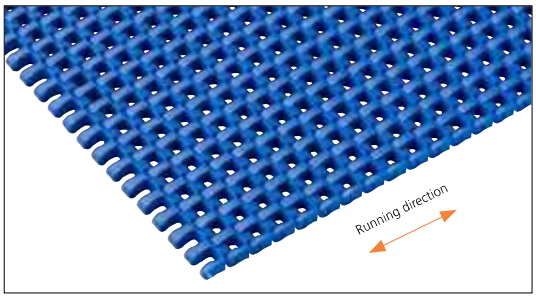
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 1500 N (337 lbf), PP 1000 N (225 lbf).
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)
= Single Link

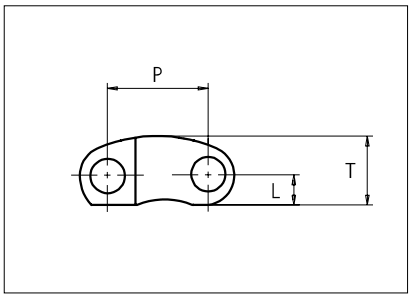
STANDARD
STRAIGHT RUNNING
PITCH 12.7 MM/0.50 IN

EN

Plastic Modular Belt

Serie **uni M-TTB** Type **37% CS**





Straight Running
Nominal pitch: 12.7 mm (0.50 in)
Surface type: Curved
Surface opening: 37%
Backflex radius: 12.5 mm (0.49 in)
Min flex diameter (nosebar):
19.1 mm (0.75 in)
Pin diameter: 4.0 mm (0.16 in)
Curved surface makes perfect circle when
25.4 mm (1.00 in) flex diameter is applied.

Belt material & color	PP **B**	POM-D **B**
Pin material & color	PP **W**	PBT **LG**

	mm	in		mm	in
P (Nominal)	12.7	0.50	**T**	8.8	0.35
L	3.8	0.15	**-**	-	-

Non standard material and color: See uni Material and Color Overview.
Alternative pin material: PA6.6 **B**

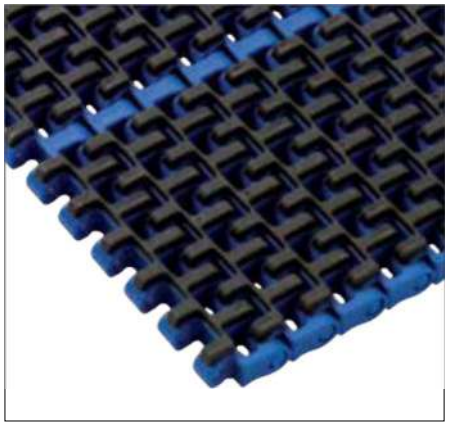
Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min No drive sprocket per haft	Number of wear strips (min no)	
		POM-D/PBT		PP/PP		POM-D/PBT		PP/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	1733	389	1001	225	0.5	0.32	0.3	0.22	2	2	2
154	6.1	3464	779	2002	450	1.0	0.64	0.6	0.43	2	2	2
231	9.1	5196	1168	3002	675	1.4	0.96	1.0	0.65	3	2	2
308	12.1	6927	1557	4003	900	1.9	1.28	1.3	0.87	4	3	2
385	15.2	8659	1947	5003	1125	2.4	1.60	1.6	1.09	4	3	2
462	18.2	10391	2336	6004	1350	2.9	1.92	1.9	1.30	5	4	2
539	21.2	12122	2725	7004	1575	3.3	2.24	2.3	1.52	6	4	2
616	24.2	13854	3114	8005	1799	3.8	2.57	2.6	1.74	7	5	3
693	27.3	15586	3504	9005	2024	4.3	2.89	2.9	1.96	7	5	3
770	30.3	17317	3893	10006	2249	4.8	3.21	3.2	2.17	8	6	3
847	33.3	19049	4282	11006	2474	5.2	3.53	3.6	2.39	9	6	3
924	36.4	20781	4671	12007	2699	5.7	3.85	3.9	2.61	10	7	4
1001	39.4	22512	5061	13007	2924	6.2	4.17	4.2	2.82	11	7	4
Additional standard belt widths are available in steps of 77.0 mm (3.03 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)												
2002	78.8	45045	10126	26026	5851	12.4	8.34	8.4	5.65	21	14	7
Additional standard belt widths are available in steps of 77.0 mm (3.03 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)												
1925	75.8	43313	9737	25025	5626	11.9	8.02	8.1	5.43	20	13	7

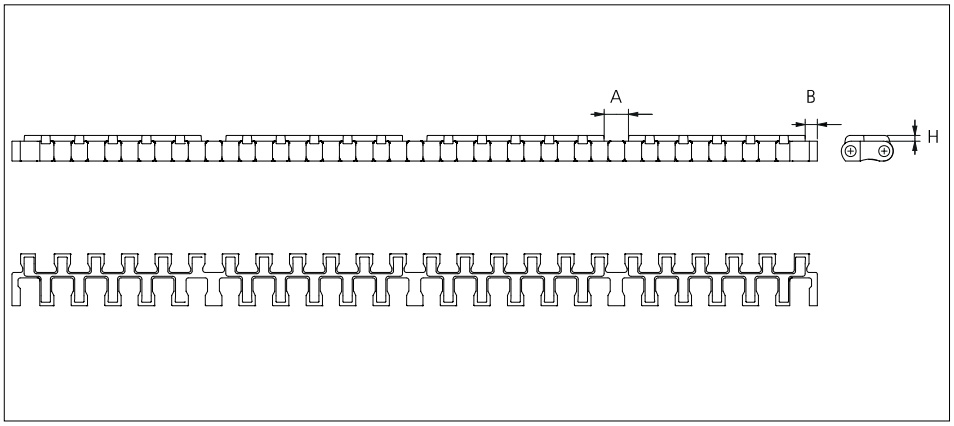
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: PP 1000 N (225 lbf)
**Max. Spacing between wear strips. Carry: 152 mm (6 in); Return: 304 mm (12 in)
= Single Link

STANDARD
STRAIGHT RUNNING
PITCH 12.7 MM/0.50 IN

Accessories

Rubber Top





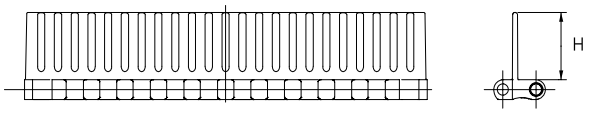
Type	Belt material & color	Rubber material & color	A		B		H		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Flat	PP W	03 W	9.2	0.36	4.6	0.18	2.2	0.09	K600	154.0	6.1
	PP B	03 K							K1200	308.0	12.1

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.
Backflex radius for Rubber Top: 28 mm (1.10 in)

Accessories

Flight

* Photo shows back side of flight. Front side is flat



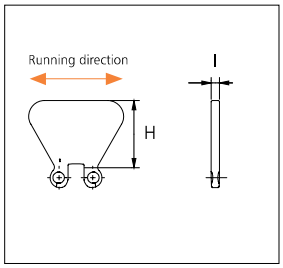
* Drawing shows back side of flight. Front side is flat

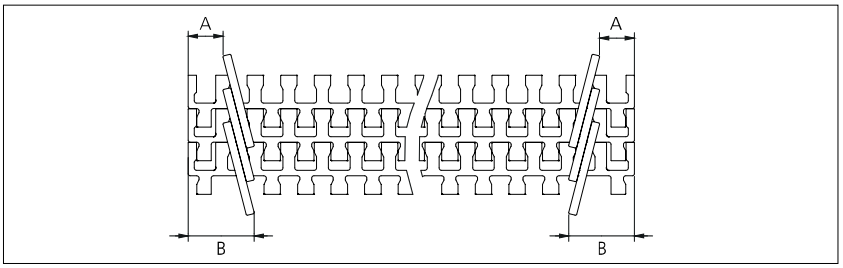
Type	Material & color	H		Link size	Width	
		mm	in		mm	in
Flat/Non Stick*	POM-D W B	25.4	1.00	K600	152.0	5.98

Non standard material and color: See uni Material and Color Overview.
Minimum indent is for uni M-TTB flight 0 mm. Increment: 12.7 mm (0.50 in).

Accessories

Side Guard



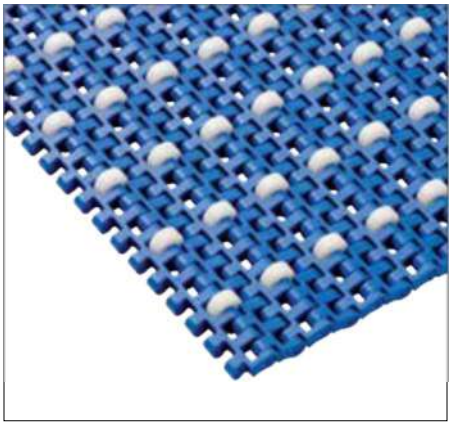


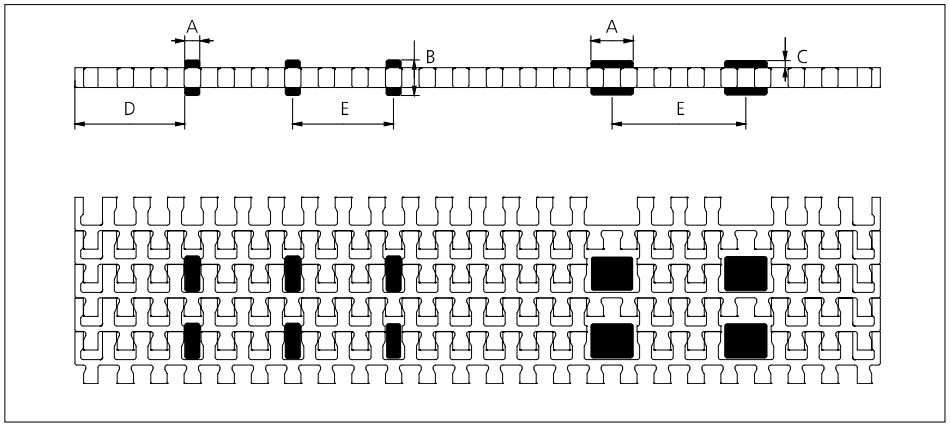
Type	Material & color	*A		B		H		I	
		mm	in	mm	in	mm	in	mm	in
Closed	POM-D W B	13.0	0.50	25.0	0.98	25.4	1.00	3.1	0.12

Non standard material and color: See uni Material and Color Overview.
*Minimum indent is for uni M-TTB Side Guard. Increment: 12.7 mm (0.50 in).

Accessories

Roller



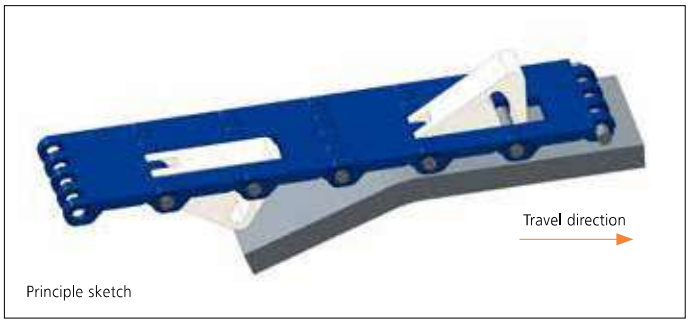


Type	Roller material & color	A		B		C		D (min)		E (min)	
		mm	in	mm	in	mm	in	mm	in	mm	in
Plastic	POM-D W	5.7	0.22	13.0	0.51	2.75	0.11	22.0	0.87	25.4	1.00
		16.0	0.62	13.0	0.51	2.75	0.11	22.0	0.87	38.1	1.50

Non standard Roller material and color: See uni Material and Color Overview.

Accessories

Non standard uni AmFlight for uni M-TTB



Other non standard option: See uni Amflight Overview.

Sprocket

No. of teeth	Bore size: Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Single row/Two way	PA6 LG Molded
		mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	mm	in	mm	in	mm	in	mm	in	mm	in		
Z12	✓		●	●							52.0	2.05	49.1	1.93	40.0	1.57	20.0	0.79	28.2	1.11	✓	✓
Z15	✓				1 ● 2 ■	1 ●					64.6	2.54	61.1	2.41	1 52.0 2 44.0	1 2.04 2 1.74	26.1	1.03	34.2	1.35	✓	✓
Z19									■		80.1	3.15	77.2	3.04	70.0	2.76	34.3	1.35	42.3	1.66	✓	✓
Z24	✓			1 ●	1 ●	1 ●	1 ●	1 ●	2 ■	2 ■	102.1	4.02	97.3	3.83	1 59.0 2 72.0	1 2.32 2 2.83	44.5	1.75	52.4	2.06	✓	✓
Z36	✓								■	■	152.3	6.01	145.7	5.74	72.0	2.83	68.8	2.71	76.6	3.01	✓	✓

■ **Molded sprocket**

Other sprocket sizes are available upon request.
Other bore sizes on sprockets are available upon request.
Max. load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

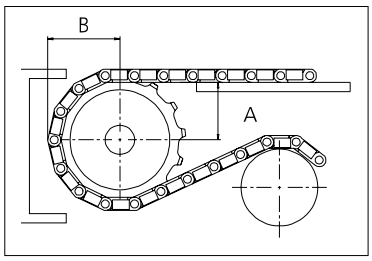
Width of tooth : 6.5 mm (0.26 in)

Width of One-part sprocket : 25.0 mm (0.98 in)

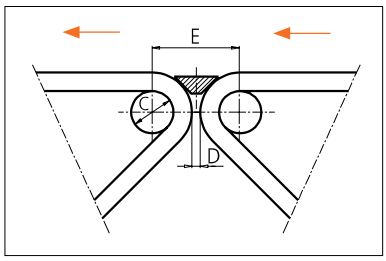
uni UltraClean Two-Part Sprocket

No. of teeth	Bore size: in	1.57	Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Single row/One way	PA6 W Moulded
	mm	40.0	mm	in	mm	in	mm	in	mm	in	mm	in		
Z24		■	102.1	4.02	97.3	3.83	80.0	3.15	44.5	1.75	52.4	2.06	✓	✓
Z36		■	152.3	6.0	145.7	5.74	126.0	4.96	68.8	2.71	76.6	3.01	✓	✓

■ Moulded uni UltraClean TwoPart Sprocket



Nosebars Min. Dimensions



	mm	in
C	19.0	0.75
D	4.0	0.16
E	40.6	1.60

Width of UltraClean Two-part sprocket: 44.0 mm (1.73 in)

Width of UltraClean Two-part sprocket, tooth: 6.5 mm (0.26 in)

uni Retainer Rings: See uni Retainer Ring data sheet.
For correct sprocket position: See uni Assembly Instructions for uni M-TTB.
For more detailed sprocket information. contact Customer Service.

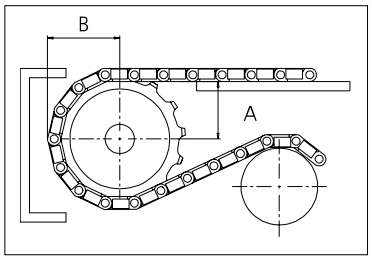
Sprocket

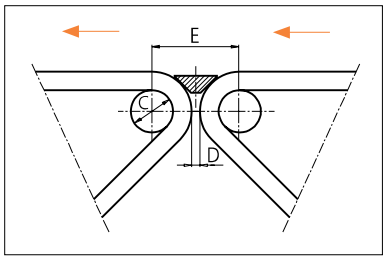
No. of teeth	Bore size										Overall diameter		Pitch diameter		Hub diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	PA6 LG Molded	PA6 Machined
	Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	mm	in	mm	in	mm	in	mm	in	mm	in				
		mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0														
Z12	x		●	●							52.0	2.05	49.1	1.93	40.7	1.60	20.0	0.79	28.2	1.11		x		x
Z15	x				●	●					64.6	2.54	61.1	2.41	53.3	2.10	26.1	1.03	34.2	1.35		x		x
Z19									■		80.1	3.15	77.2	3.04	68.8	2.71	34.3	1.35	42.3	1.66	x		x	
Z24	x			●	●	●	●	●	■	■	102.1	4.02	97.3	3.83	90.8	3.57	44.5	1.75	52.4	2.06		x		x
Z36	x								■	■	152.3	6.01	145.7	5.74	141.0	5.55	68.8	2.71	76.6	3.01		x		x

■ Molded sprocket ■ Machined sprocket ● Machined sprocket

Non standard material and color: See uni Material and Color Overview.

Nosebars Min. Dimensions





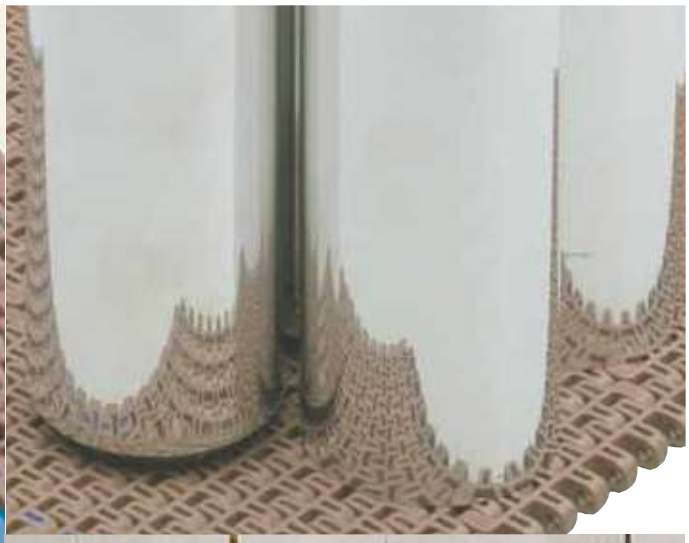
	mm	in
C	19.0	0.75
D	4.0	0.16
E	40.6	1.60

Other sprocket sizes are available upon request.
Two-part sprocket are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet.
Width of tooth = 6.5 mm (0.26 in)
Width of sprocket = Single row: 17.5 mm (0.69 in)
Double row: 30.0 mm (1.18 in)

Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni M-TTB.
For more detailed sprocket information, contact Customer Service.

Paso de 12.7 mm (0.50 pulgadas)



uni M-SNB M3 – una banda fuerte de paso pequeño

La uni M-SNB M3 está desarrollada para transferencias ajustadas y transportadores de alta velocidad tanto en las industrias alimentarias como en las no alimentarias. La banda bidireccional de 0.5 pulgadas (12.7 mm) de paso asegura la estabilidad del producto, incluso en aplicaciones con eje frontal o a velocidades altas, gracias a su superficie inferior redondeada.

uni M-SNB M2 es adecuado para el transporte de latas y botellas llenas.

- Así mismo su diseño soporte elevadas cargas y ofrece una elevada resistencia al desgaste lateral y una reducida área de contacto.

La banda uni M-SNB M3 mejora el rendimiento en las siguientes industrias/aplicaciones:

- Panadería, incluyendo transporte general, líneas de enfriamiento, detectores de metales y líneas de empaquetado
- Cárnica, incluyendo líneas de envasado en bandejas y detectores de metales
- Marisco, incluyendo líneas de clasificación y básculas
- Bebidas, incluyendo depaletizadoras y mesas de acumulación
- Fabricación de latas, incluyendo paletizadoras, manipulado de masas, transportadores de transferencia, transportadores de descarga y mesas de acumulación

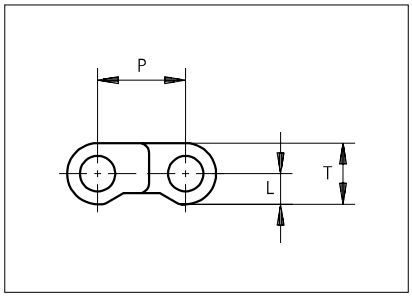
Características del producto y ventajas de funcionamiento:

- Menor vibración en aplicaciones a alta velocidad y con barra frontal
- Resistencia al desgaste en aplicaciones a velocidad alta con transferencias ajustadas
- Banda bidireccional fuerte para transportadores largos
- Sistema de cierre único (lockpin) para un mantenimiento fácil
- El engranaje específico de sus ruedas reduce el efecto pulsante
- Superficie lisa y abierta, que incrementa la estabilidad del producto y reduce la presión de las líneas traseras

EN

Plastic Modular Belt

Series **uni M-SNB** Type **M2 14%**



Straight running belt
Nominal pitch: 12.7 mm (0.50 in)
Surface type: Flat
Surface opening: 14%
Backflex radius: 20.0 mm (0.80 in)
Pin diameter: 5.0 mm (0.20 in)

Belt material & color	POM-D B
Pin material & color	PP B

	mm	in		mm	in
P (Nominal)	12.7	0.50	**T**	8.8	0.35
L	4.4	0.17	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: G-lock: PA6.6 N Pin: PA6.6 B PE W PBT LG SS304 Endlock: PP B W

Lockpin: PBT LG PA6.6 D PP W PE N

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PP		POM-D/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
77	3.0	1155	260	0.5	0.33	2	2	2
153	6.0	2295	516	1.0	0.65	2	2	2
229	9.0	3435	772	1.4	0.97	2	2	2
305	12.0	4575	1028	1.9	1.29	3	3	2
381	15.0	5715	1285	2.4	1.61	3	3	2
458	18.0	6870	1544	2.9	1.94	4	4	2
534	21.0	8010	1801	3.4	2.26	4	4	2
610	24.0	9150	2057	3.8	2.58	5	5	3
686	27.0	10290	2313	4.3	2.90	5	5	3
762	30.0	11430	2569	4.8	3.23	6	6	3
839	33.0	12585	2829	5.3	3.55	6	6	3
915	36.0	13725	3085	5.8	3.87	7	7	4
Additional standard belt widths are available in steps of 76.2 mm (3.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).								
1982	78.0	29730	6683	12.5	8.39	14	14	7
Additional standard belt widths are available in steps of 76.2 mm (3.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).								
2972	117.0	44580	10022	18.7	12.58	20	20	10

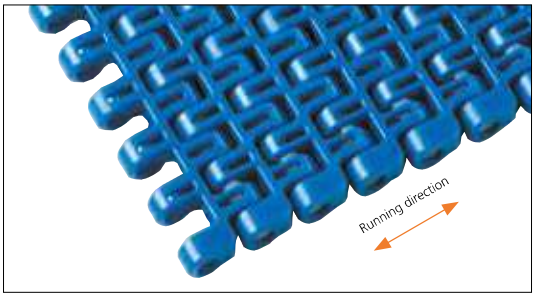
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf).
**Max. Spacing between wear strips. Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
= Single Link

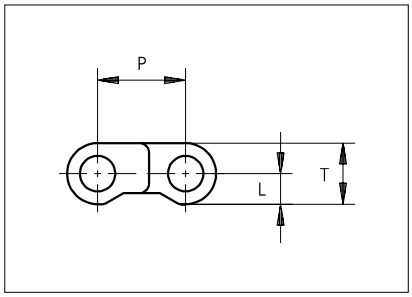
STANDARD
STRAIGHT RUNNING
PITCH 12.7 MM/0.50 IN

EN

Plastic Modular Belt

Series **uni M-SNB** Type **M3 14%**





Straight running belt
Nominal pitch: 12.7 mm (0.50 in)
Surface type: Flat
Surface opening: 14%
Backflex radius: 20.0 mm (0.80 in)
Pin diameter: 5.00 mm (0.20 in)

STANDARD

STRAIGHT RUNNING

PITCH 12.7 MM/0.50 IN

Belt material & color	POM-D B	POM-LF BR	PP W
Pin material & color	PP B	PP W	

	mm	in		mm	in
P (Nominal)	12.7	0.50	**T**	8.8	0.35
L	4.4	0.17	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PA6.6 B PE W PBT LG SS304 Endlock: PP B W

Lockpin: PBT LG PA6.6 D PP B W PE N

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM/PP		PP/PP		POM/PP		PP/PP				
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft		**Carry (pcs)	**Return (pcs)
77	3.0	1155	260	578	130	0.5	0.33	0.3	0.21	2	2	2
153	6.0	2295	516	1148	258	1.0	0.65	0.6	0.42	2	2	2
229	9.0	3435	772	1718	386	1.4	0.97	0.9	0.63	2	2	2
305	12.0	4575	1028	2288	514	1.9	1.29	1.3	0.84	3	3	2
381	15.0	5715	1285	2858	642	2.4	1.61	1.6	1.05	3	3	2
458	18.0	6870	1544	3435	772	2.9	1.94	1.9	1.26	4	4	2
534	21.0	8010	1801	4005	900	3.4	2.26	2.2	1.47	4	4	2
610	24.0	9150	2057	4575	1028	3.8	2.58	2.5	1.68	5	5	3
686	27.0	10290	2313	5145	1157	4.3	2.90	2.8	1.89	5	5	3
762	30.0	11430	2569	5715	1285	4.8	3.23	3.1	2.10	6	6	3
839	33.0	12585	2829	6293	1415	5.3	3.55	3.4	2.31	6	6	3
915	36.0	13725	3085	6863	1543	5.8	3.87	3.8	2.52	7	7	4

Additional standard belt widths are available in steps of 76.2 mm (3.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1982	78.0	29730	6683	14865	3342	12.5	8.39	8.1	5.46	14	14	7

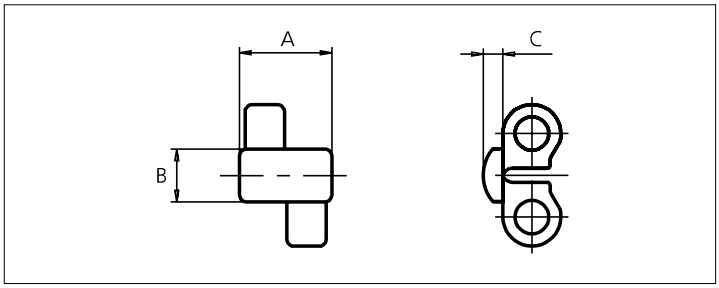
Additional standard belt widths are available in steps of 76.2 mm (3.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

2972	117.0	44580	10022	22290	5011	18.7	12.58	12.2	8.19	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-SLF 1000 N (225 lbf). PP 800 N (180 lbf), PE 800 N (180 lbf).
**Max. Spacing between wear strips. Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
= Single Link

Accessories

Top/Bottom Insert



Type	Rubber material & color	A		B		C	
		mm	in	mm	in	mm	in
Rubber	01 N	14.0	0.55	8.0	0.31	3.0	0.12

Rubber inserts can be assembled in any belt surface upon customer request.
Non Standard material and color: See uni Material and Color Overview.

Sprocket

No. of teeth	Bore size								Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Single row/Two way	PA6 LG Molded
	Pilot bore	in	0.98	1.00	1.18	1.25	1.50	1.57												
		mm	25.0	25.4	30.0	31.8	38.1	40.0	mm	in	mm	in	mm	in	mm	in	mm	in		
Z10	✓								41.5	1.63	41.6	1.64	28.0	1.10	16.1	0.63	25.0	0.98	✓	✓
Z19	✓		●	● ■	●	●	■		79.0	3.11	78.1	3.07	65.0	2.56	34.1	1.34	43.0	1.69	✓	✓
Z28	✓			●	●	●	■	■	116.2	4.57	115	4.53	65.0	2.56	52.2	2.06	61.1	2.41	✓	✓
Z38	✓				●	●	● ■	■	157.4	6.20	156	6.14	100.0	2.95	72.5	2.85	81.3	3.20	✓	✓

■ **Molded sprocket**

● **Molded sprocket**

Other sprocket sizes are available upon request.
Other bore sizes on sprockets are available upon request.
Round bores are always delivered with keyway.
Max. load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

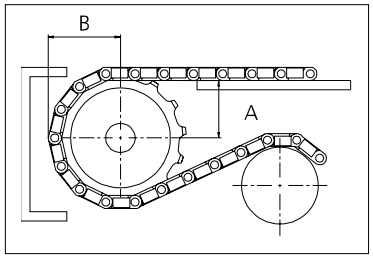
Width of tooth = Single row: 7.0 mm (0.28 in)

Width of One-part sprocket = Single row: 20.0 mm (0.79 in)

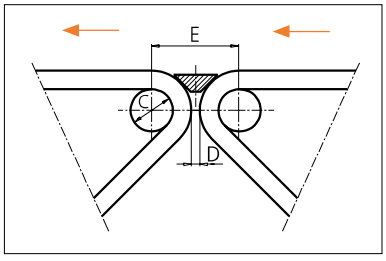
uni UltraClean Two-Part Sprocket

No. of teeth	Bore size			Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Single row/Two way	PA6 W Moulded
	in	1.50	1.57												
	mm	38.1	40.0	mm	in	mm	in	mm	in	mm	in	mm	in		
Z28		■	■	114.9	4.52	113.4	4.46	80.0	3.15	52.2	2.06	61.1	2.41	✓	✓
Z38			■	155.5	6.12	153.8	6.06	126.0	4.96	72.5	2.85	81.3	3.20	✓	✓

■ **Moulded uni UltraClean TwoPart Sprocket**



Nosebars Min. Dimensions



	mm	in
C	20.0	0.79
D	4.0	0.16
E	41.6	1.64

Width of UltraClean Two-part sprocket = Single row: 44.0 mm (1.73 in)

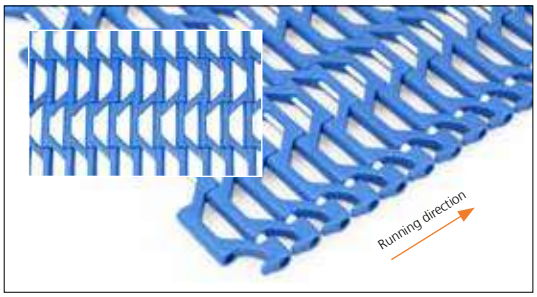
Width of UltraClean Two-part sprocket, tooth = Single row: 7.0 mm (0.28 in)

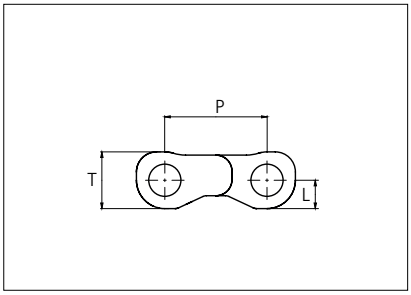
uni Retainer Rings: See uni Retainer Ring data sheet.
For correct sprocket position: See uni Assembly Instructions for uni M-SNB.
For more detailed sprocket information. contact Customer Service.

EN

Plastic Modular Belt

Series **uni M-OWL** Type **40% Open**





Straight Running
Nominal pitch: 12.7 mm (0.50 in)
Contact area: 8%
Surface opening: 40%
Backflex radius: 12.5 mm (0.49 in)
Pin diameter: 4 mm (0.16 in)
Largest opening: 7.6 x 23 mm
(0.30 x 0.91 in)

Belt material & color	POM-D **B** **W**
Pin material & color	PP **W**

	mm	in		mm	in
P (Nominal)	12.7	0.50	**T**	7.2	0.28
L	3.6	0.14	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin materials: Lockpin: PA6.6 **B**

Belt width		Permissible tensile force (Belt material)		Belt weight (Belt material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D		POM-D			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
203	8.0	914	205	0.9	0.59	2	2	2
254	10.0	1143	257	1.1	0.74	3	2	2
305	12.0	1373	309	1.3	0.89	4	3	2
356	14.0	1602	360	1.5	1.04	4	3	2
407	16.0	1832	412	1.8	1.18	5	3	2
457	18.0	2057	462	2.0	1.33	5	4	2
508	20.0	2286	514	2.2	1.48	5	4	2
559	22.0	2516	565	2.4	1.63	6	4	2
610	24.0	2745	617	2.6	1.78	7	5	3
660	26.0	2970	668	2.9	1.92	7	5	3
711	28.0	3200	719	3.1	2.07	7	5	3
762	30.0	3429	771	3.3	2.22	8	6	3
Additional standard belt widths are available in steps of 50.7 mm (2.00 in).								
1980	78.0	8910	2003	8.6	5.76	20	14	7
Additional standard belt widths are available in steps of 50.7 mm (2.00 in).								
2996	118.0	13482	3031	13.0	8.72	30	20	10

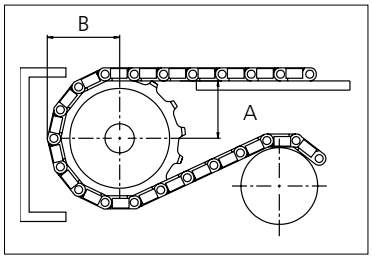
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service.
*Max. Load per Drive Sprocket. Belt material: POM-D with snub roller 1000 N (450 lbf) without snub roller 500 N (281 lbf).
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).
= Single Link

STANDARD
STRAIGHT RUNNING
PITCH 12.7 MM/0.50 IN

Sprocket

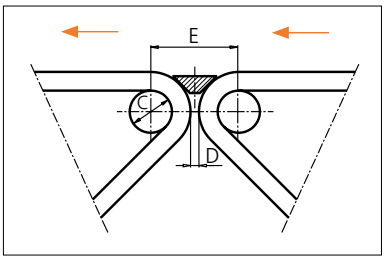
No. of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded LG PA6	Machined PA6
	Pilot bore	in	**0.75**	0.78	0.98	**1.00**	1.18	**1.25**	**1.50**	1.57	2.36	**2.50**	3.54														
		mm	19.1	**20.0**	**25.0**	25.4	**30.0**	31.8	38.1	**40.0**	**60.0**	63.5	**90.0**	mm	in	mm	in	mm	in	mm	in	mm	in				
Z14	x			●	■●									61.4	2.42	58.0	2.28	44.9	1.77	24.73	0.97	32.7	1.29	x			x
Z17	x				■●									73.6	2.90	70.2	2.76	57.1	2.25	30.98	1.22	38.79	1.53	x			x
Z19	x				●				■●	■●				81.8	3.22	78.4	3.09	65.3	2.57	35.13	1.38	42.86	1.69	x			x
Z24	x								■●	■●				102.2	4.02	98.8	3.89	85.8	3.38	45.47	1.79	53.06	2.09	x			x
Z36	x								■●	■●				151.4	5.96	148	5.83	134.9	5.31	70.20	2.76	77.61	3.06	x			x

■ **Machined sprocket** ● **Machined sprocket**



Non standard material and color: See uni Material and Color Overview.

Nosebars Min. Dimensions



	mm	in
C	19.0	0.75
D	5.0	0.20
E	39.3	1.55

Other sprocket sizes are available upon request.
Two-part sprocket are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet.
Width of tooth = 11.0 mm (0.43 in)
Width of sprocket = 20.0 mm (0.79 in)

Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni M-OWL.
For more detailed sprocket information. contact Customer Service.

Paso de 25.4 mm (1.00 pulgadas)

uni QNB – fuerte y fiable

La banda uni QNB se ha desarrollado para obtener una resistencia, rigidez y un mínimo desgaste. La banda es única gracias a su fuerza y fiabilidad. Sus bordes achaflanados permiten una transferencia lateral fácil y eliminan puntos de estancamiento.

La banda uni QNB ha mejorado el rendimiento en las siguientes industrias/aplicaciones:

- Panadería, incluyendo la manipulación y aplicaciones en de bandejas y cajas en pendiente
- Cárnica y avícola, incluyendo líneas de empaquetado y transportadores inclinados de cajas
- Bebidas, incluyendo depaletizadoras, mesas de acumulación y transportadores inclinados de cajas
- Fabricación de latas, incluyendo paletizadoras, manipulado de masas y mesas de acumulación
- Cartón ondulado, incluyendo apilado, salida del cartón, carro de transferencia y almacenamiento WIP
- Neumáticos, incluyendo transportadores oscilantes, salida de extrusionado y aplicaciones de inspección
- Manipulación de materiales, incluyendo transportadores inclinados, paletizadoras y líneas de empaquetado

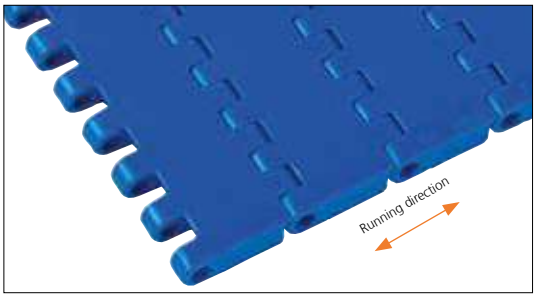
Características del producto y ventajas de funcionamiento:

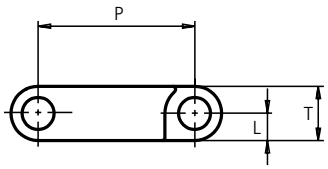
- Banda bidireccional fuerte para transportadores largos
- Superficie rugosa antideslizante que mejora la seguridad de los operarios
- Sistema de cierre único (lockpin) para un mantenimiento fácil
- Engranaje único de las ruedas, que reduce el efecto pulsante y aumenta la capacidad de carga
- Superficie única de goma, que elimina el desgaste y mejora las propiedades de fricción en aplicaciones inclinadas

EN

Plastic Modular Belt

Series **uni QNB** Type **C**





Straight running belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: Closed
Backflex radius: 40.0 mm (1.57 in)
Pin diameter: 5.0 mm (0.19 in)

Belt material & color	POM-SLF B	PP B	PP W
Pin material & color	PP B		PP W

	mm	in		mm	in
P (Nominal)	25.4	1.00	**L**	4.4	0.17
T	8.8	0.35	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Solid Lockpin: PA6.6 D | Pin: PP W PA6.6 B PE W PBT LG and SS304 | Endlock: PA6.6 D | Lockpin: PBT LG PA6.6 D | N PP B W

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-SLF/PP		PP/PP		POM-SLF/PP		PP/PP				
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft		**Carry (pcs)	**Return (pcs)
39	1.5	1365	307	780	175	0.3	0.22	0.2	0.14	1	1	1
51	2.0	1768	397	1010	227	0.4	0.29	0.3	0.18	2	1	1
77	3.0	2695	606	1540	346	0.6	0.43	0.4	0.28	2	2	2
153	6.0	5355	1204	3060	688	1.3	0.86	0.8	0.56	2	2	2
229	9.0	8015	1802	4580	1030	1.9	1.29	1.2	0.83	2	2	2
305	12.0	10675	2400	6100	1371	2.6	1.72	1.6	1.11	3	3	2
382	15.0	13370	3006	7640	1717	3.2	2.16	2.1	1.39	3	3	2
458	18.0	16030	3604	9160	2059	3.8	2.59	2.5	1.66	4	4	2
534	21.0	18690	4202	10680	2401	4.5	3.01	2.9	1.94	4	4	2
610	24.0	21350	4799	12200	2743	5.1	3.44	3.3	2.21	5	5	3
687	27.0	24045	5405	13740	3089	5.8	3.88	3.7	2.49	5	5	3
763	30.0	26705	6003	15260	3430	6.4	4.31	4.1	2.77	6	6	3

Additional standard belt widths are available in steps of 76.3 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

1983	78.1	69405	15602	39660	8916	16.7	11.19	10.7	7.20	14	14	7

Additional standard belt widths are available in steps of 76.3 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

2974	117.1	104090	23399	59480	13371	25.0	16.79	16.1	10.79	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-SLF 2300 N (517 lbf), PP 1300 N (292 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
= Single Link

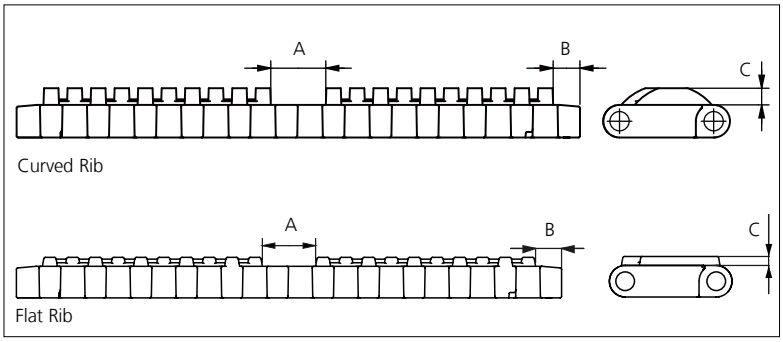
STANDARD
STRAIGHT RUNNING
PITCH 25.4 MM/1.00 IN

Accessories

Rubber Top


Curved Rib


Flat Rib

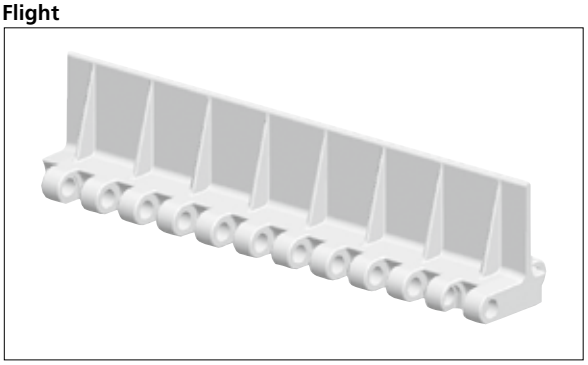


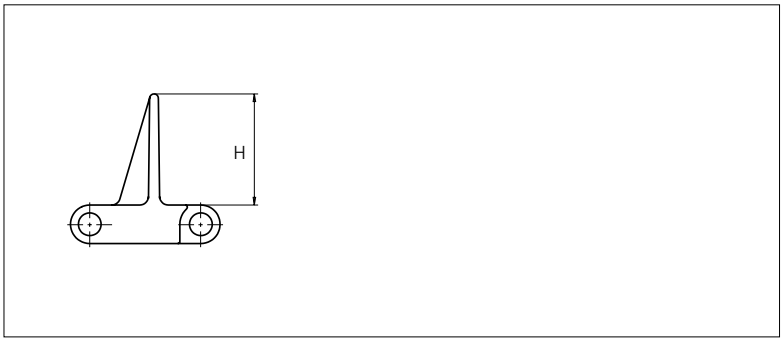
Type	Belt Material & color	Rubber Material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Curved Rib	PP B	03 K	14.9	0.59	7.3	0.29	4.5	0.18	K300	75.8	2.98
									K600	152.0	5.98
Flat Rib			14.85	0.58	7.25	0.29	2.5	0.10	K300	75.8	2.98
									K600	152.0	5.98

Non Standard material and color: See uni Material and Color Overview.

Accessories

Flight



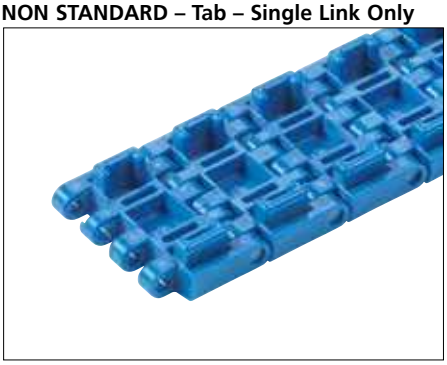


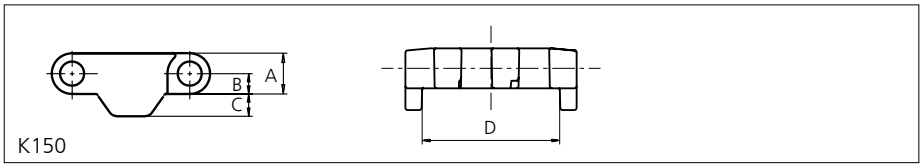
Type	Flight Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick/Support Ribs	PP-I W B	25.4	1.00	K600	152.0	5.98	0.0	0.00
	POM-SLF B							

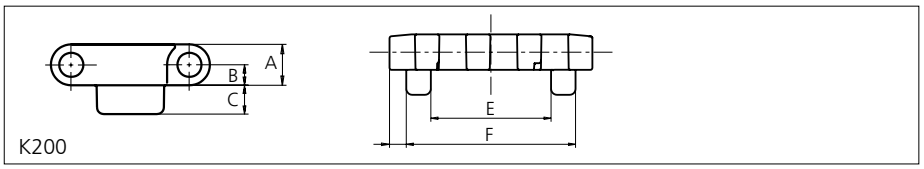
Non Standard material and color: See uni Material and Color Overview.

Accessories

NON STANDARD – Tab – Single Link Only







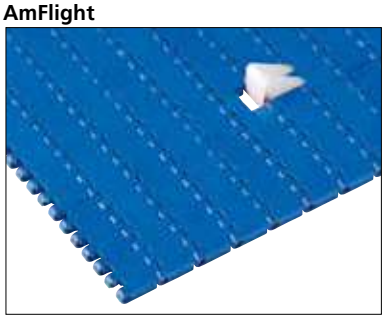
Type	Recommended link material & color	Recommended pin material & color	A		B		C		D		E		F		Link Size
			mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	
Bottom Guide	POM-SLF B	PA6.6 D	8.8	0.35	4.4	0.17	4.8	0.19	30.3	1.19	29.9	1.18	42.1	1.66	K150
	PP B						6.2	0.24							K200

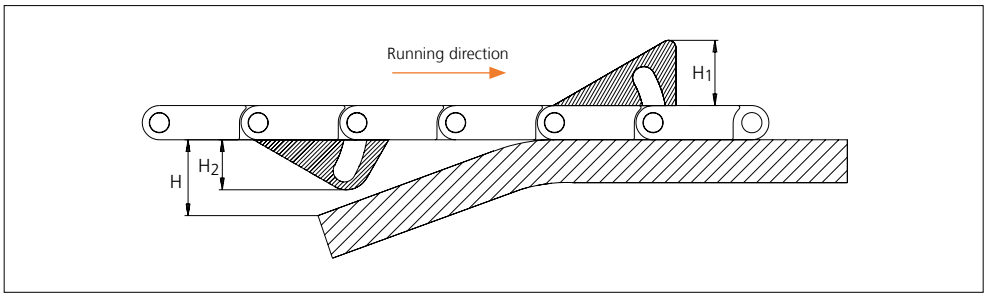
Solid Lockpin as default lock system. Alternative pin materials & color: PBT LG

Non Standard material and color: See uni Material and Color Overview.

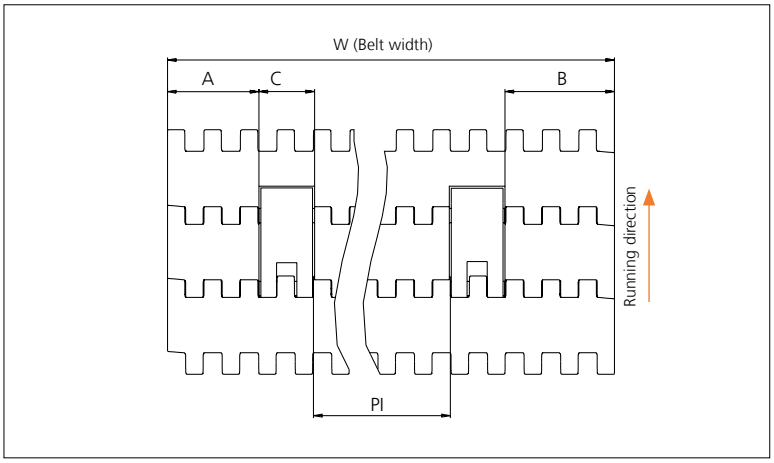
Accessories

AmFlight





Type	Material & color	H		H¹		H²	
		mm	in	mm	in	mm	in
Push	PE W	17.0	0.67	17.0	0.67	14.0	0.55



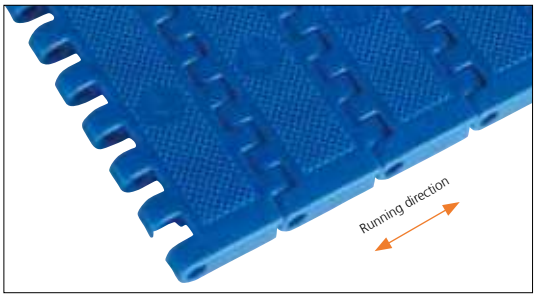
	mm	in
A min	32.4	1.28
B min	38.5	1.52
C	18.0	0.71
Pl max	W - 106.9	W - 4.21
Pl min	32.7	1.29

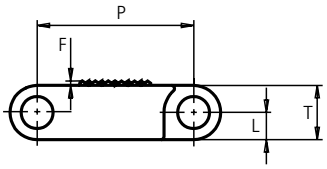
Increment: 12.7 mm (0.50 in)

EN

Plastic Modular Belt

Series **uni QNB** Type **Rough**





Straight running belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Rough Top
Surface opening: Closed
Backflex radius: 40.0 mm (1.57 in)
Pin diameter: 5.0 mm (0.31 in)

Belt material & color	POM-SLF B
Pin material & color	PP B

	mm	in		mm	in
P (Nominal)	25.4	1.00	**L**	4.4	0.17
F	0.8	0.03	**T**	8.8	0.35

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Solid Lockpin: PA6.6 D Pin: PP W PA6.6 B PE W PBT LG and SS304 Endlock: PA6.6 D
Lockpin: PBT LG PA6.6 D N PP B W

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-SLF/PP		POM-SLF/PP				
mm	in	N	lbf	kg/m	lb/ft		**Carry (pcs)	**Return (pcs)
77	3.0	2695	606	0.6	0.43	2	2	2
153	6.0	5355	1204	1.3	0.86	2	2	2
229	9.0	8015	1802	1.9	1.29	2	2	2
305	12.0	10675	2400	2.6	1.72	3	3	2
382	15.0	13370	3006	3.2	2.16	3	3	2
458	18.0	16030	3604	3.8	2.59	4	4	2
534	21.0	18690	4202	4.5	3.01	4	4	2
610	24.0	21350	4799	5.1	3.44	5	5	3
687	27.0	24045	5405	5.8	3.88	5	5	3
763	30.0	26705	6003	6.4	4.31	6	6	3
839	33.0	29365	6601	7.0	4.74	6	6	3
915	36.0	32025	7199	7.7	5.17	7	7	4
992	39.1	34720	7805	8.3	5.60	7	7	4

Additional standard belt widths are available in steps of 76.3 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

1983	78.1	69405	15602	16.7	11.19	14	14	7

Additional standard belt widths are available in steps of 76.3 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

2974	117.1	104090	23399	25.0	16.79	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-SLF 2300 N (517 lbf), PP 1300 N (292 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
= Single Link

uni chains

Sprocket

No. of teeth	Bore size									Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Moulded LG PA6
	Pilot bore	in	1.00	1.18	1.25	1.50	1.57	2.36	2.50	mm	in	mm	in	mm	in	mm	in	mm	in		
		mm	25.4	30.0	31.8	38.1	40.0	60.0	63.5												
Z10	✓		●	●	●	■	●			80.3	3.16	82.2	3.24	65.0	2.56	34.7	1.36	45.5	1.79	✓	✓
Z12	✓		●	●	●	■	●■			96.8	3.81	98.1	3.86	70.0	2.76	43.0	1.69	53.5	2.11	✓	✓
Z15	✓			●	●	●■	●■	[2]■	[1]■	121.5	4.78	122.2	4.81	70.0 [1]100.0 [2]104.0	2.76 [1]3.94 [2]4.09	55.4	2.18	65.5	2.58	✓	✓
Z18	✓			●	●	●■	●■	[2]■	[1]■	146.0	5.75	146.3	5.76	70.0 [2]104.0 [1]120.0	2.76 [2]4.09 [1]4.72	67.6	2.66	77..5	3.05	✓	✓
Z19	✓			●	●	●■	■	[1]■	[1]■	154.2	6.07	154.3	6.07	70.0 [1]120.0	2.76 [1]4.72	71.7	2.82	81.6	3.21	✓	✓

● Moulded sprocket ■ Moulded sprocket ■ Moulded sprocket



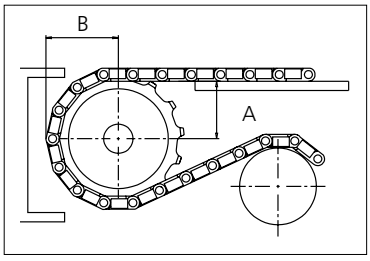
Other sprocket sizes are available upon request.
Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet.
Width of tooth = 10.0 mm (0.39 in)
Width of OnePart sprocket = 25.0 mm (0.98 in)

uni UltraFit Two-Part Sprocket

No. of teeth						Overall diameter		Pitch diameter		Hub/adapter diameter		Hub/adapter width		Dimension A		Dimension B		Single row/Two way	Moulded LG PA6	Adapter Moulded B POM-D
	in	1.50	1.57	2.36	2.50															
	mm	38.1	40.0	60.0	63.5	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in			
Z12		■	■			96.8	3.81	98.2	3.87	83.0	3.27	25.0 76.0	0.98 2.99	43	1.69	53.5	2.11	✓	✓	✓
Z13		■	■			104.8	4.13	106.2	4.18	83.0	3.27	25.0 76.0	0.98 2.99	47.1	1.86	57.1	2.25	✓	✓	✓
Z15		■	■	■	■	121.5	4.78	122.5	4.82	106.0	4.14	25.0 76.0	0.98 2.99	55.4	2.18	65.5	2.58	✓	✓	✓
Z16		■	■	■	■	129.7	5.11	130.2	5.13	106.0	4.14	25.0 76.0	0.98 2.99	59.5	2.35	69.5	2.74	✓	✓	✓
Z18		■	■	■	■	146.1	5.75	146.3	5.76	106.0	4.14	25.0 76.0	0.98 2.99	67.6	2.66	77.5	3.05	✓	✓	✓
Z19		■	■	■	■	154.2	6.07	154.3	6.07	106.0	4.14	25.0 76.0	0.98 2.99	71.7	2.82	81.6	3.21	✓	✓	✓

■ Moulded uni UltraFit TwoPart Sprocket (Narrow adapter)

■ Moulded uni UltraFit TwoPart Sprocket (Wide adapter)

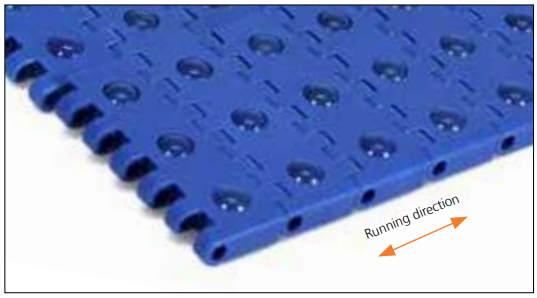


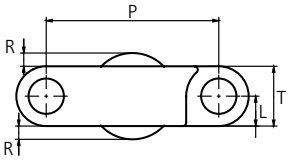
For correct sprocket position:
See uni Assembly Instructions for uni QNB.
For more detailed sprocket information contact Customer Service.

EN

Plastic Modular Belt

Series **uni QNB** Type **Ball**





Straight running belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Ball
Surface opening: Closed
Backflex radius: 25.0 mm (0.98 in)
Pin diameter: 5.0 mm (0.20 in)

Belt material & color	POM-SLF B
Ball material & color	PA6.6 B
Pin material & color	PP B

	mm	in		mm	in
P (Nominal)	25.4	1.00	**R**	1.95	0.08
L	4.4	0.17	**T**	8.8	0.35

Non standard material and color: See uni Material and Color Overview.

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min No drive sprocket per shaft	Number of wear strips (min no)	
		POM-SLF/PP		POM-SLF/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	Kg/m	lb/ft			
76	3.0	1710	384	0.7	0.48	2	2	2
153	6.0	3443	774	1.4	0.96	2	2	2
229	9.0	5153	1158	2.1	1.43	2	2	2
305	12.0	6863	1543	2.8	1.91	3	3	2
381	15.0	8573	1927	3.5	2.38	3	3	2
457	18.0	10283	2312	4.3	2.86	4	4	2
533	21.0	11993	2696	5.0	3.33	4	4	2
609	24.0	13703	3080	5.7	3.81	5	5	3
685	27.0	15413	3465	6.4	4.28	5	5	3
761	30.0	17123	3849	7.1	4.76	6	6	3
838	33.0	18855	4239	7.8	5.24	6	6	3
914	36.0	20565	4623	8.5	5.71	7	7	4
990	39.0	22275	5007	9.2	6.19	7	7	4
1066	42.0	23985	5392	9.9	6.66	8	8	4

Additional standard belt widths are available in steps of 76.3 mm (3.00 in).

1979	77.9	44528	10010	18.4	12.37	14	14	7

Additional standard belt widths are available in steps of 76.3 mm (3.00 in).

2968	116.9	66780	15012	27.6	18.55	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service.
*Max. Load per Drive Sprocket. Belt material: POM-SLF 1840 N (414 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
= Single Link

uni chains

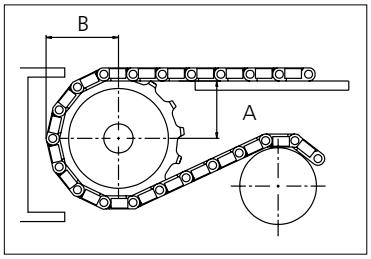
STANDARD
STRAIGHT RUNNING
PITCH 25.4 MM/1.00 IN

Sprocket

No. of teeth	Bore size						Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	PA6 Machined
	Pilot bore	in	1.50	1.57	2.36	2.50												
		mm	38.1	40.0	60.0	63.5	mm	in	mm	in	mm	in	mm	in	mm	in		
Z15	✓		■	■	■	■	121.5	4.78	122.5	4.82	100.0	3.93	55.4	2.18	66.1	2.60	✓	✓
Z18	✓		■	■	■	■	146.1	5.75	146.3	5.76	120.0	4.72	67.6	2.66	78.4	3.08	✓	✓
Z19	✓		■	■	■	■	154.2	6.07	154.3	6.07	125.0	4.92	71.7	2.82	82.5	3.24	✓	✓

■ **Machined sprocket**

Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request.
Two-part sprockets are available upon request.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet.
Width of tooth = 8.0 mm (0.31 in)
Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni QNB Ball.
For more detailed sprocket information. contact Customer Service.

Paso de 25.4 mm (1.00 pulgadas)

uni SNB M2 – La única banda de superficie abierta y superficie reforzada (Rib)

La nueva uni SNB M2 20% (juntas cerradas) permite una limpieza más fácil manteniendo un esfuerzo de tracción alto. La superficie plana de la uni SNB M2 20% hace posible un transporte suave de productos sensibles, a la vez que ofrece una superficie abierta para favorecer el paso de aire o drenaje. La banda uni SNB M2 puede combinarse con bandas uni SNB M2 Single Link® en tramos múltiples de separadores y combinadores para incrementar la velocidad de los transportadores y la salida del producto. La uni SNB M2 34% (Área de contacto reducida) es única en aplicaciones de acumulación en seco.

La banda uni SNB M2 mejora el funcionamiento en las siguientes industrias/aplicaciones:

- Cárnicas, incluyendo líneas de microondas, enfriamiento y congelación
- Fruta y verdura, incluyendo líneas de desecado, enfriamiento y congelación
- Pasta, incluyendo escaldadores, pasteurizadores y líneas de refrigeración
- Bebidas, incluyendo mesas de acumulación, alimentación de empaquetadoras, pasteurizadores y paletizadoras
- Fabricación de latas, incluyendo mesas de acumulación, manipulación masiva y paletizadoras

Características del producto y ventajas de funcionamiento:

- Menor fricción y contacto con el producto para cocinar, enfriar y congelar productos con facilidad
- Las superficies radiales de la superficie reducen la presión de la línea posterior hasta un 70%
- Menor suciedad y restos de óxido, gracias a una superficie de autolimpieza
- Sistema de cierre único (lockpin) que permite un montaje fácil y menos tiempos muertos
- Peines para una transferencia sin problemas

EN

Plastic Modular Belt

Series **uni SNB** Type **M2 34%**

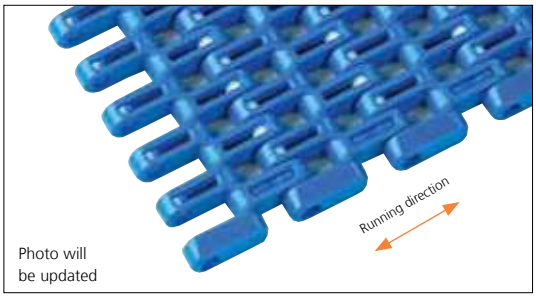
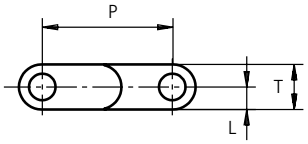


Photo will be updated



Straight running belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: 34%
Backflex radius: 30.0 mm (1.20 in)
Pin diameter: 5.0 mm (0.20 in)

*P (Nominal)

Belt material & color	POM-D B	PP B	PP G	PP W	PE N	PE B
Pin material & color	PP B		PP W		PE N	

	mm	in		mm	in
P (Nominal)	25.4	1.00	**L**	4.4	0.17
T	8.8	0.35	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PP W PE W PA6.6 B PBT LG SS304 Lockpin: PBT LG PA6.6 D N PP B W PE N

Endlock: PP-I B G W

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PP		PP/PP		PE/PE		POM-D/PP		PP/PP		PE/PE			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
45	1.8	1034	232	660	148	440	99	0.3	0.19	0.2	0.13	0.2	0.13	2	1	1
77	3.0	1810	407	1155	260	770	173	0.5	0.33	0.3	0.22	0.3	0.23	2	2	2
153	6.0	3596	808	2295	516	1530	344	1.0	0.65	0.7	0.44	0.7	0.45	2	2	2
229	9.0	5382	1210	3435	772	2290	515	1.4	0.97	1.0	0.66	1.0	0.68	2	2	2
305	12.0	7168	1611	4575	1028	3050	686	1.9	1.29	1.3	0.88	1.3	0.90	3	3	2
381	15.0	8954	2013	5715	1285	3810	856	2.4	1.61	1.6	1.10	1.7	1.13	3	3	2
457	18.0	10740	2414	6855	1541	4570	1027	2.9	1.93	2.0	1.32	2.0	1.35	4	4	2
533	21.0	12526	2816	7995	1797	5330	1198	3.4	2.26	2.3	1.54	2.3	1.58	4	4	2
609	24.0	14312	3217	9135	2054	6090	1369	3.8	2.58	2.6	1.76	2.7	1.80	5	5	3
686	27.0	16121	3624	10290	2313	6860	1542	4.3	2.90	2.9	1.98	3.0	2.03	5	5	3
762	30.0	17907	4025	11430	2569	7620	1713	4.8	3.23	3.3	2.20	3.4	2.25	6	6	3
838	33.0	19693	4427	12570	2826	8380	1884	5.3	3.55	3.6	2.42	3.7	2.48	6	6	3
914	36.0	21479	4828	13710	3082	9140	2055	5.8	3.87	3.9	2.64	4.0	2.70	7	7	4
Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).																
1979	77.9	46507	10455	29685	6673	19790	4449	12.5	8.38	8.5	5.72	8.7	5.85	14	14	7
Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).																
2969	116.9	69772	15685	44535	10011	29690	6674	18.7	12.57	12.8	8.58	13.1	8.78	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 1400 N (315 lbf). PP 1100 N (247 lbf). PE 1100 N (247 lbf).
**Max. Spacing between wear strips. Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

= Single Link

STANDARD

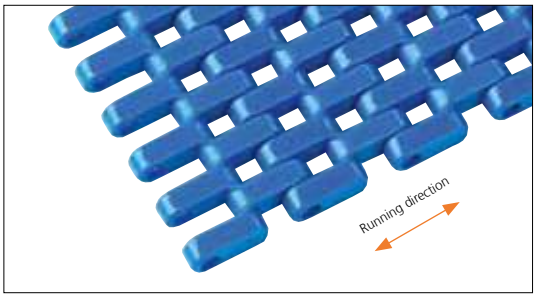
STRAIGHT RUNNING

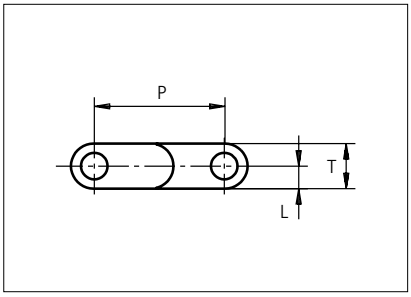
PITCH 25.4 MM/1.00 IN

EN

Plastic Modular Belt

Series **uni SNB** Type **M2 20%**





Straight running belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: 20%
Backflex radius: 30.0 mm (1.20 in)
Pin diameter: 5.0 mm (0.20 in)

Belt material & color	POM-D B	PP B	PP W	PE N	PE B
Pin material & color	PP B		PP W	PE N	

	mm	in		mm	in
P (Nominal)	25.4	1.00	**L**	4.4	0.17
T	8.8	0.35	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PBT LG PA6.6 D N PP B W PE N

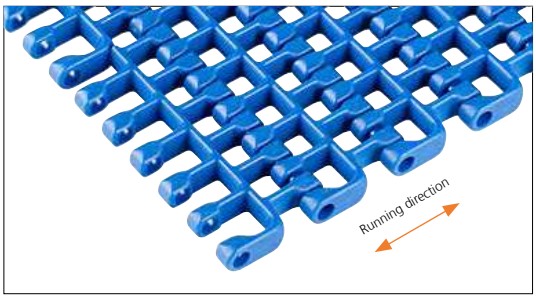
Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	1810	407	1155	260	770	173	0.5	0.33	0.3	0.22	0.3	0.23	2	2	2
153	6.0	3596	808	2295	516	1530	344	1.0	0.65	0.7	0.44	0.7	0.45	2	2	2
191	7.5	4489	1009	2865	644	1910	429	1.2	0.81	0.8	0.55	0.8	0.56	2	2	2
229	9.0	5382	1210	3435	772	2290	515	1.4	0.97	1.0	0.66	1.0	0.68	2	2	2
305	12.0	7168	1611	4575	1028	3050	686	1.9	1.29	1.3	0.88	1.3	0.90	3	3	2
381	15.0	8954	2013	5715	1285	3810	856	2.4	1.61	1.6	1.10	1.7	1.13	3	3	2
457	18.0	10740	2414	6855	1541	4570	1027	2.9	1.93	2.0	1.32	2.0	1.35	4	4	2
533	21.0	12526	2816	7995	1797	5330	1198	3.4	2.26	2.3	1.54	2.3	1.58	4	4	2
609	24.0	14312	3217	9135	2054	6090	1369	3.8	2.58	2.6	1.76	2.7	1.80	5	5	3
685	27.0	16098	3619	10275	2310	6850	1540	4.3	2.90	2.9	1.98	3.0	2.03	5	5	3
761	30.0	17884	4020	11415	2566	7610	1711	4.8	3.22	3.3	2.20	3.3	2.25	6	6	3
837	33.0	19670	4422	12555	2822	8370	1882	5.3	3.54	3.6	2.42	3.7	2.48	6	6	3
913	35.9	21456	4823	13695	3079	9130	2052	5.8	3.87	3.9	2.64	4.0	2.70	7	7	4
Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).																
1978	77.9	46483	10449	29670	6670	19780	4447	12.5	8.37	8.5	5.72	8.7	5.85	14	14	7
Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).																
2967	116.8	69725	15674	44505	10005	29670	6670	18.7	12.56	12.8	8.57	13.1	8.77	20	20	10

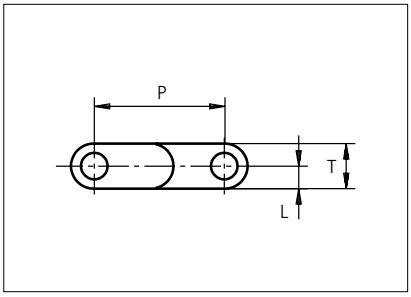
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 1400 N (315 lbf), PP 1100 N (247 lbf), PE 1100 N (247 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
= Single Link

EN

Plastic Modular Belt

Series **uni SNB** Type **M2 50%**





Straight running belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: 50%
Backflex radius: 30.0 mm (1.20 in)
Pin diameter: 5.0 mm (0.20 in)

Belt material & color	PA6.6 B	PP B	PP W
Pin material & color	PP B		PP W

	mm	in		mm	in
P (Nominal)	25.4	1.00	**L**	4.4	0.17
T	8.8	0.35	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PBT LG PA6.6 D N PP B W PE N

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP/PP		PA6.6/PP		PP/PP		PA6.6/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
153	6.0	1836	413	3060	688	0.5	0.31	0.6	0.38	2	2	2
229	9.0	2748	618	4580	1030	0.7	0.47	0.8	0.56	2	2	2
305	12.0	3660	823	6100	1371	0.9	0.62	1.1	0.75	3	3	2
381	15.0	4572	1028	7620	1713	1.2	0.78	1.4	0.94	3	3	2
457	18.0	5484	1233	9140	2055	1.4	0.93	1.7	1.13	4	4	2
533	21.0	6396	1438	10660	2396	1.6	1.09	2.0	1.31	4	4	2
609	24.0	7308	1643	12180	2738	1.8	1.24	2.2	1.50	5	5	3
685	27.0	8220	1848	13700	3080	2.1	1.39	2.5	1.69	5	5	3
761	30.0	9132	2053	15220	3421	2.3	1.55	2.8	1.88	6	6	3
837	33.0	10044	2258	16740	3763	2.5	1.70	3.1	2.06	6	6	3
913	35.9	10956	2463	18260	4105	2.8	1.86	3.4	2.25	7	7	4
989	38.9	11868	2668	19780	4447	3.0	2.01	3.6	2.44	7	7	4
1065	41.9	12780	2873	21300	4788	3.2	2.17	3.9	2.63	8	8	4

Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1977	77.8	23724	5333	39540	8889	6.0	4.03	7.3	4.88	14	14	7

Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

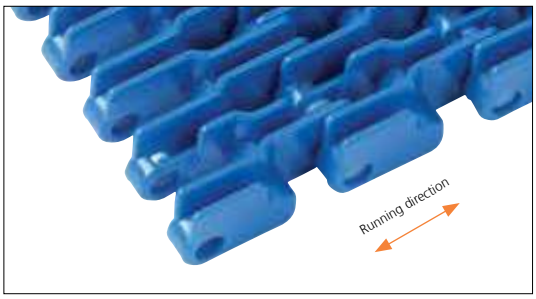
2965	116.7	35580	7998	59300	13331	9.0	6.04	10.9	7.31	20	20	10

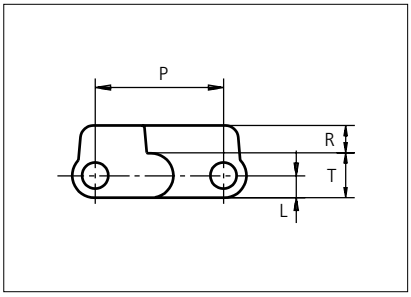
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
Belt widths in PA66 is 0,2 % wider than the belt widths in the table above.
*Max. Load per Drive Sprocket. Belt material: PP 1100 N (247 lbf); PA66 1400 N (315 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
= Single Link

EN

Plastic Modular Belt

Series **uni SNB** Type **M2 34% Rib**





Straight running belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Rib Top
Surface opening: 34%
Backflex radius: 30.0 mm (1.20 in)
Pin diameter: 5.0 mm (0.20 in)

Belt material & color	POM-SLF B	PP B
Pin material & color	PP B	

	mm	in		mm	in
P (Nominal)	25.4	1.00	**R**	5.5	0.22
L	4.4	0.17	**T**	8.8	0.35

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PA6.6 B SS304 Endlock: PP-I B Lockpin: PP W PBT LG PA6.6 D N PE N

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-SLF/PP		PP/PP		POM-SLF/PP		PP/PP				
mm	in	N	lbf	N	lbf	Kg/m	lb/ft	Kg/m	lb/ft		**Carry (pcs)	**Return (pcs)
77	3.0	1810	407	1155	260	0.5	0.33	0.3	0.22	2	2	2
153	6.0	3596	808	2295	516	1.0	0.65	0.7	0.44	2	2	2
229	9.0	5382	1210	3435	772	1.4	0.97	1.0	0.66	2	2	2
305	12.0	7168	1611	4575	1028	1.9	1.29	1.3	0.88	3	3	2
381	15.0	8954	2013	5715	1285	2.4	1.61	1.6	1.10	3	3	2
457	18.0	10740	2414	6855	1541	2.9	1.93	2.0	1.32	4	4	2
533	21.0	12526	2816	7995	1797	3.4	2.26	2.3	1.54	4	4	2
609	24.0	14312	3217	9135	2054	3.8	2.58	2.6	1.76	5	5	3
685	27.0	16098	3619	10275	2310	4.3	2.90	2.9	1.98	5	5	3
761	30.0	17884	4020	11415	2566	4.8	3.22	3.3	2.20	6	6	3
837	33.0	19670	4422	12555	2822	5.3	3.54	3.6	2.42	6	6	3
913	35.9	21456	4823	13695	3079	5.8	3.87	3.9	2.64	7	7	4
989	38.9	23242	5225	14835	3335	6.2	4.19	4.3	2.86	7	7	4

Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1979	77.9	46507	10455	29685	6673	12.5	8.38	8.5	5.72	14	14	7

Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

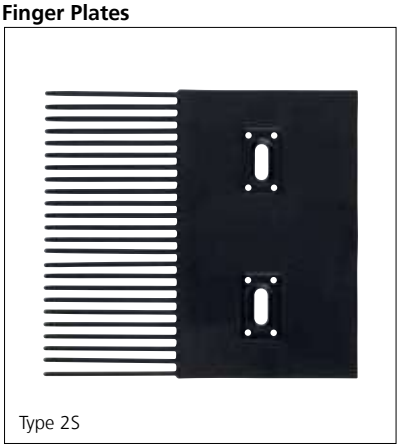
2969	116.9	69772	15685	44535	10011	18.7	12.57	12.8	8.58	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 1400 N (315 lbf), PP 1100 N (247 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
= Single Link

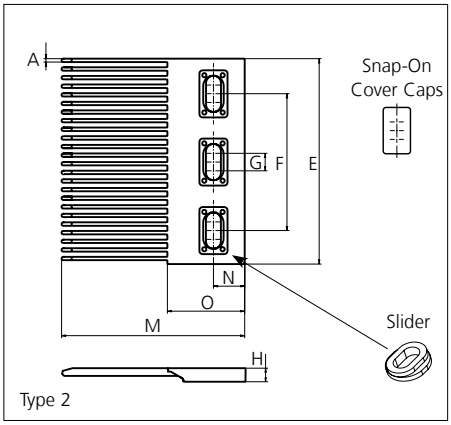
STANDARD
STRAIGHT RUNNING
PITCH 25.4 MM/1.00 IN

Accessories

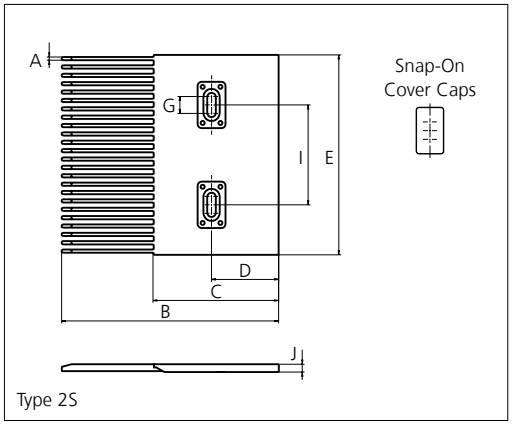
Finger Plates



Type 2S



Type 2



Type 2S

Type	Material & color	A		B		C		D		E		F	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
Single Sided	POM-EC **K**	2.5	0.10	165.0	6.50	95.0	3.74	51.0	2.01	152.1	5.99	100.0	3.94
Single Sided													

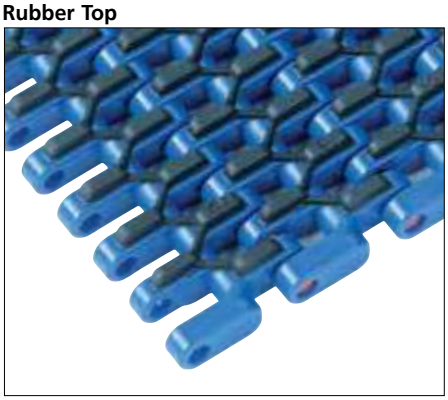
G		H		I		J		M		N		O	
mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
12.0	0.47	10.3	0.41	76.0	3.00	6.0	0.24	135.0	5.31	23.0	0.91	57.0	2.24

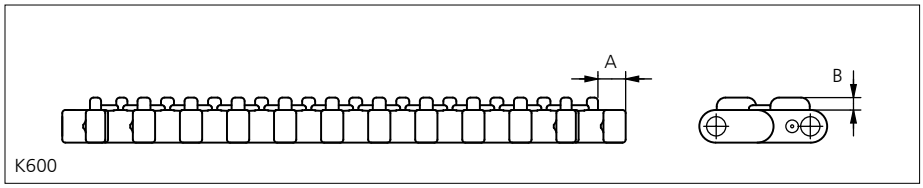
All uni-chains belt systems are available in a raised rib version that can be supplied with matching finger plates also called combs.
The finger plates are supplied with cover caps which can be attached when the finger plate has been installed. The cover caps can be removed by using a screwdriver that can be inserted between the cover and finger plate. In order to adjust to belt width variations caused by temperature fluctuations. a slider facilitates the sideways movement of the finger plates.

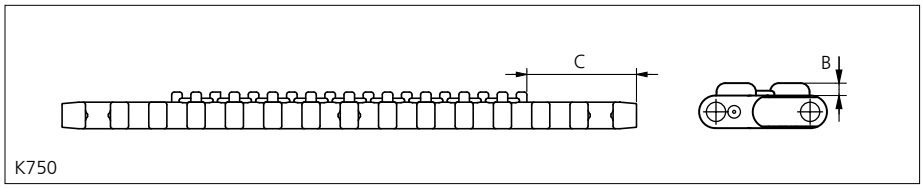
Non Standard material and color: See uni Material and Color Overview.

Accessories

Rubber Top





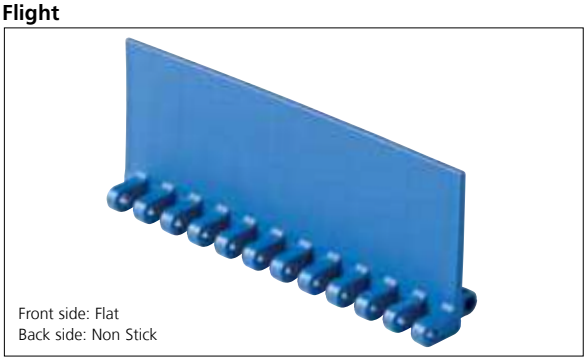


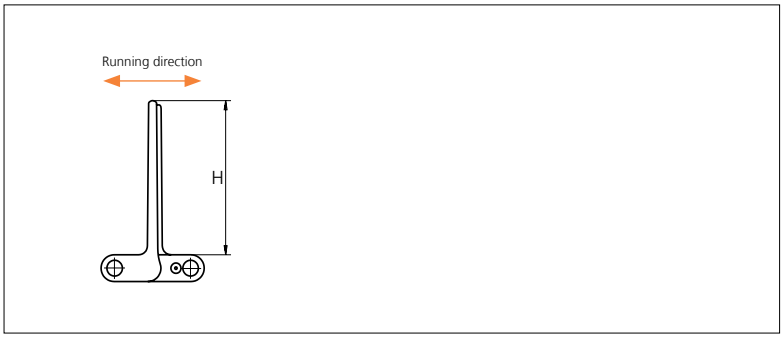
Type	Belt material & color	Rubber material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
M2 20% Flat	PP B	03 K	7.5	0.30	3.4	0.13	36.0	1.41	K300	77.0	3.00
									K600	152.4	6.00
	PP W	03 N							K750	190.5	7.50

Non Standard material and color: See uni Material and Color Overview.

Accessories

Flight



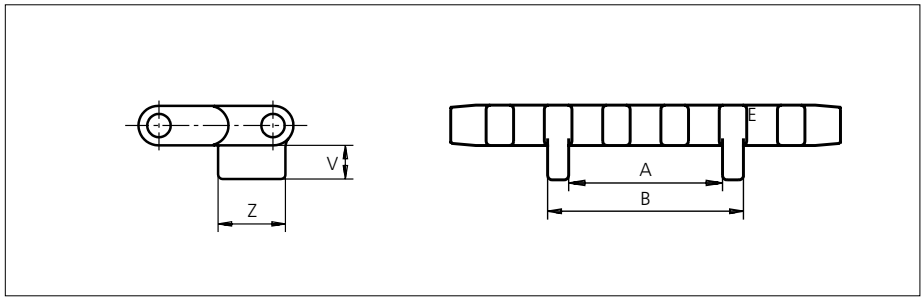


Type	Flight Material & color		H		Link size	Width	
			mm	in		mm	in
M2 20% Flat/Non Stick	PP-I W B	PE N B	5.0	0.20	K600	151.1	5.99
		PE-I N B	25.4	1.00			
			50.8	2.00			
			76.2	3.00			
			101.6	4.00			

Flights on 25.4 mm (1.00 in) are cut down from 50.8 mm (2.00 in).

Accessories

Tab / Single Link Only

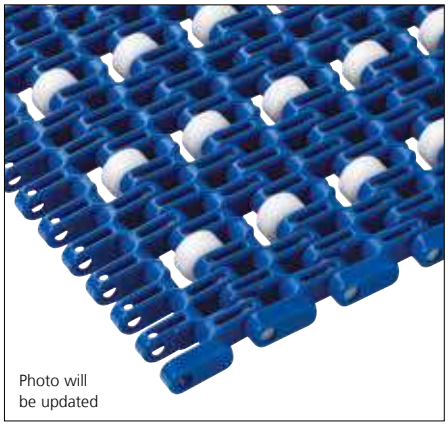


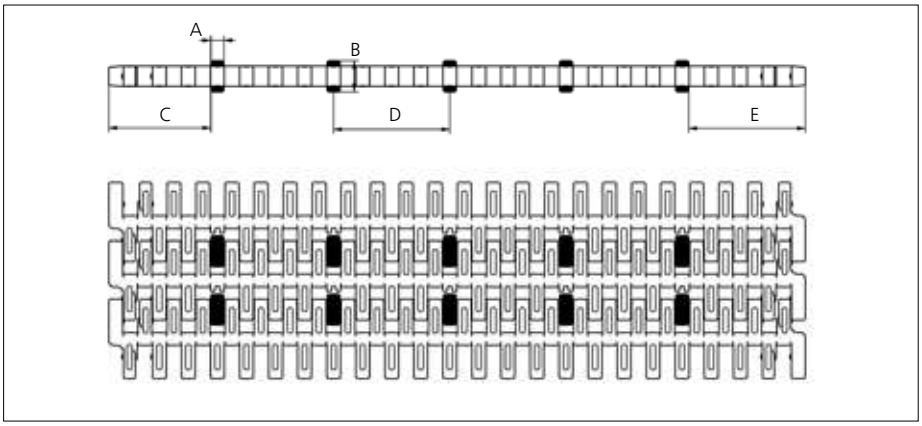
Type	Tab Material & color	V		Z		A		B		Link size	Width	
		mm	in	mm	in	mm	in	mm	in		mm	in
M2 34% Bottom Guide	POM-D B PP B	7.50	0.29	15.0	0.59	33.5	1.19	42.7	1.68	K325	82.3	3.24
										K335	85.0	3.35
										K450	114.3	4.50
										K600	152.1	5.99
										K750	189.4	7.46

Non Standard material and color: See uni Material and Color Overview.

Accessories

Rollers NON STANDARD



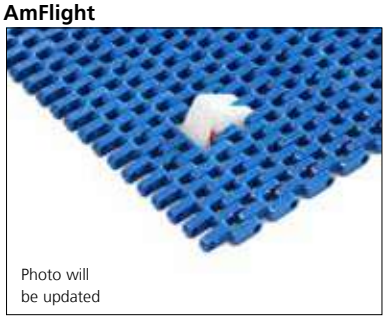


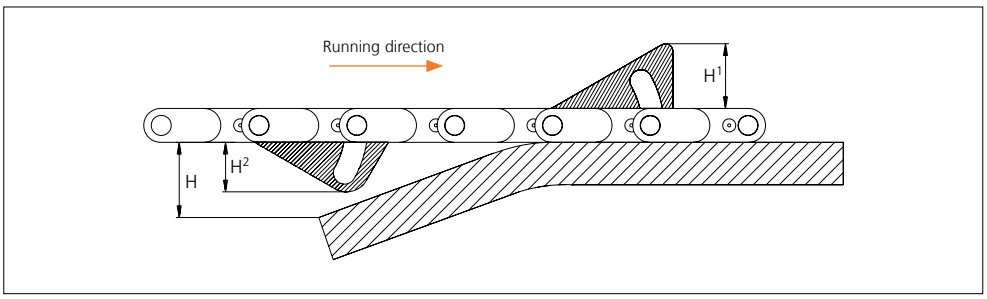
Type	Roller material & color	A		B		C		D		E	
		mm	in	mm	in	mm	in	mm	in	mm	in
Plastic	POM-D **W**	5.7	0.22	13.5	0.53	44.6	1.75	50.8	2.00	51.0	2.01

Non Standard material and color: See uni Material and Color Overview.

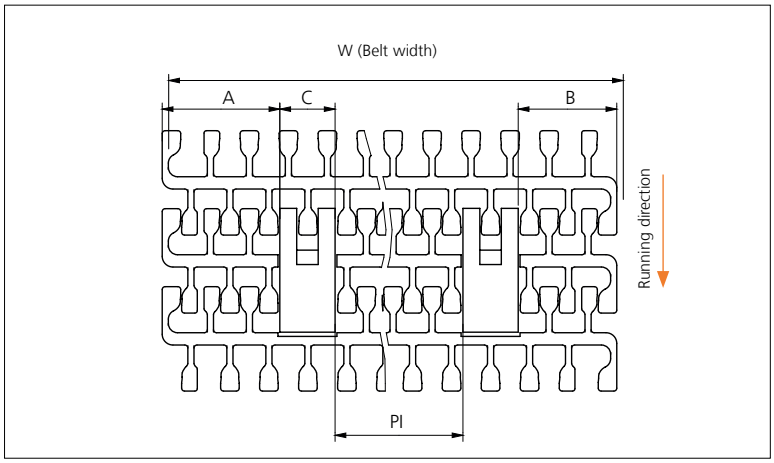
Accessories

AmFlight





Type	Material & color	H		H¹		H²	
		mm	in	mm	in	mm	in
Push	PE **W**	17.0	0.67	17.0	0.67	14.4	0.57



	mm	in
A min	38.3	1.51
B min	32.1	1.26
C	18.0	0.71
Pl max	W - 106.4	W - 4.19
Pl min	33.2	1.31

Increment: 12.7 mm (0.50 in).

Sprocket

No. of teeth	Bore size									Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	PA6 LG Molded
	Pilot Bore	in	1.00	1.18	1.25	1.50	1.57	2.36	2.50												
		mm	25.4	30.0	31.8	38.1	40.0	60.0	63.5	mm	in	mm	in	mm	in	mm	in	mm	in		
Z10	✓		●	●	●	■	●			86.0	3.39	82.2	3.24	65.0	2.56	34.7	1.37	45.5	1.79	✓	✓
Z12	✓		●	●	●	■	■●			103.2	4.06	98.1	3.86	65.0	2.56	43.0	1.69	53.5	2.11	✓	✓
Z18	✓			●	●	■●	■●			151.9	5.98	146.3	5.76	65.0	2.56	67.6	2.66	77.6	3.06	✓	✓
Z18	✓							■●	■●	151.9	5.98	146.3	5.76	120.0	4.72	67.6	2.66	77.6	3.06	✓	✓
Z19	✓			●	●	■●	■●			160.0	6.30	154.3	6.07	65.0	2.56	71.7	2.82	81.6	3.21	✓	✓
Z19	✓							■●	■●	160.0	6.30	154.3	6.07	120.0	4.72	71.7	2.82	81.6	3.21	✓	✓
Z20	✓			●	●	■●	■●			168.2	6.62	162.4	6.39	65.0	2.56	75.8	2.98	85.6	3.37	✓	✓
Z20	✓							■●	■●	168.2	6.62	162.4	6.39	120.0	4.72	75.8	2.98	85.6	3.37	✓	✓

■ Molded sprocket ● Molded sprocket

Other sprocket sizes are available upon request.
Other bore sizes on sprockets are available upon request.
Max. load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

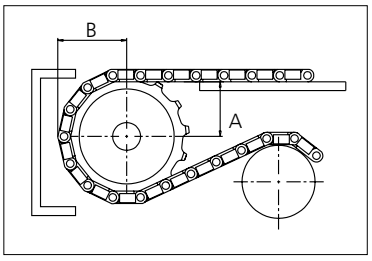
Width of tooth = Single row: 6.0 mm (0.24 in)

Width of One-part sprocket = Single row: 25.0 mm (0.98 in)

uni UltraClean Two-Part Sprocket

No. of teeth	Bore size					Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	PA6 W Moulded
	in	1.50	1.57	2.36	2.50												
	mm	38.1	40.0	60.0	63.5	mm	in	mm	in	mm	in	mm	in	mm	in		
Z12		■	■			103.2	4.06	98.1	3.86	80.0	3.15	43	1.69	53.5	2.11	✓	✓
Z15		■	■			127.5	5.02	122.2	4.81	80.0	3.15	55.4	2.18	65.5	2.58	✓	✓
Z19		[1]■	[1]■	[2]■	[2]■	160.0	6.30	154.3	6.07	[1]118.0 [2]126.0	[1]4.65 [2]4.96	71.7	2.82	81.6	3.21	✓	✓
Z20			■			168.2	6.62	162.4	6.39	118	118.0	75.8	2.98	85.6	3.37	✓	✓

■ Moulded uni UltraClean TwoPart Sprocket



Width of UltraClean Two-part sprocket = Single row: 44.0 mm (1.73 in)

Width of UltraClean Two-part sprocket, tooth = Single row: 6.0 mm (0.24 in)

uni Retainer Rings: See uni Retainer Ring data sheet.
For correct sprocket position: See uni Assembly Instructions for uni SNB M2.
For more detailed sprocket information. contact Customer Service.

Paso de 25.4 mm (1.00 pulgadas)

uni S-MPB – una banda fuerte e higiénica de paso 1 pulgada

uni S-MPB es una banda fuerte e higiénica que se usa en diferentes aplicaciones alimentarias. La barra de refuerzo en la cara inferior garantiza una resistencia elevada a impactos. La banda uni S-MPB se suministra en la banda uni Single Link® única con soportes uni Single Link® (no modulos intercalados) para una limpieza óptima. La versión antiadherente garantiza la separación del producto de la banda.

La banda uni S-MPB es la preferida en las siguientes industrias/ aplicaciones:

- Cárnicas (ternera y cerdo), incluyendo líneas de corte de grasa, líneas de corte, transporte general, transporte de bandejas y líneas de empaquetado
- Fruta y verdura, incluyendo elevadores, mesas de inspección y líneas de empaquetado
- Marisco, incluyendo mesas de inspección, líneas de clasificación y de corte
- Panadería, incluyendo manipulado de masa cruda, líneas de enfriamiento y de empaquetado

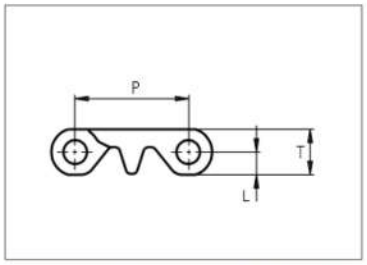
Características del producto y ventajas de funcionamiento:

- La banda con uni Single Link® es fácil de limpiar y reduce hasta un 70% los tiempos muertos dedicados a limpieza
- La banda uni Single Link® (no modular) reduce el crecimiento de bacterias
- En la banda uni Single Link® los cuchillos no quedan atrapados en las juntas direccionales de la banda
- El sistema de cierre único (lockpin) permite un mantenimiento más sencillo y rápido
- El engranaje único de las ruedas permite más carga de producto y transportadores más largos
- Los soportes uni Single Link®, gruesos y fuertes, eliminan huecos en el ancho, evitando que el producto quede atrapado
- Aplicaciones con transferencias ajustadas

EN

Plastic Modular Belt

Series **uni S-MPB** Type **C**



Straight running belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: Closed
Backflex radius: 23.0 mm (0.91 in)
Pin diameter: 5.0 mm (0.20 in)

STANDARD

STRAIGHT RUNNING

PITCH 25.4 MM/1.00 IN

Belt material & color	POM-DI W	PP W	POM-DI B	PP B	PE-I B N
Pin material & color	PP W		PP B		PE N

	mm	in		mm	in
P (Nominal)	25.4	1.00	**T**	10.3	0.41
L	5.2	0.20	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PBT LG PA6.6 N D

Belt width		**Permissible tensile force (Belt/pin material)**						**Belt weight (Belt/pin material)**						***Min. No. drive sprocket per shaft**	**Number of wear strips (Min. No.)**	
		POM-DI/PP		**PP/PP**		**PE-I/PP**		**POM-DI/PP**		**PP/PP**		**PE-I/PP**				
mm	**in**	**N**	**lbf**	**N**	**lbf**	**N**	**lbf**	**kg/m**	**lb/ft**	**kg/m**	**lb/ft**	**kg/m**	**lb/ft**		**Carry (pcs)	**Return (pcs)
77	3.0	1810	407	732	164	604	136	0.6	0.43	0.4	0.29	0.4	0.29	2	2	2
153	6.0	3596	808	1454	327	1201	270	1.3	0.85	0.9	0.58	0.9	0.59	2	2	2
184	7.2	4317	971	1745	392	1442	324	1.5	1.02	1.0	0.69	1.0	0.70	2	2	2
229	9.0	5382	1210	2176	489	1798	404	1.9	1.28	1.3	0.86	1.3	0.88	2	2	2
305	12.0	7168	1611	2898	651	2394	538	2.5	1.70	1.7	1.15	1.7	1.17	3	3	2
381	15.0	8954	2013	3620	814	2991	672	3.2	2.13	2.1	1.43	2.2	1.46	3	3	2
457	18.0	10740	2414	4342	976	3588	806	3.8	2.55	2.6	1.72	2.6	1.75	4	4	2
507	20.0	11910	2677	4815	1082	3978	894	4.2	2.83	2.8	1.91	2.9	1.94	4	4	2
533	21.0	12527	2816	5064	1138	4184	941	4.4	2.97	3.0	2.01	3.0	2.04	4	4	2
609	24.0	14313	3218	5786	1301	4781	1075	5.1	3.40	3.4	2.29	3.5	2.33	5	5	3
685	27.0	16100	3619	6508	1463	5378	1209	5.7	3.82	3.8	2.58	3.9	2.62	5	5	3
761	30.0	17886	4021	7231	1625	5975	1343	6.3	4.25	4.3	2.86	4.3	2.92	6	6	3
837	33.0	19673	4422	7953	1788	6571	1477	6.9	4.67	4.7	3.15	4.8	3.21	6	6	3

Additional standard belt widths are available in steps of 76.0 mm (2.99 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1977	77.8	46460	10444	18782	4222	15519	3489	16.4	11.03	11.1	7.44	11.3	7.57	14	14	7

Additional standard belt widths are available in steps of 76.0 mm (2.99 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

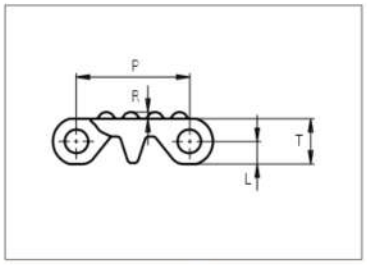
2965	116.7	69678	15664	28168	6332	23275	5232	24.6	16.54	16.6	11.16	16.9	11.36	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-DI 1100 N (247 lbf), PP 500 N (112 lbf), PE 500 N (112 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
= Single Link

EN

Plastic Modular Belt

Series **uni S-MPB** Type **N**



Straight running belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: No Cling
Surface opening: Closed
Backflex radius: 23.0 mm (0.91 in)
Pin diameter: 5.0 mm (0.20 in)

Belt material & color	POM-DI W	PE-I B
Pin material & color	PP W	PE N

	mm	in		mm	in
P (Nominal)	25.4	1.00	**L**	5.20	0.20
R	1.50	0.06	**T**	10.3	0.41

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Lockpin: PBT LG PA6.6 D N PP B
*Single Link K2000 is availble with a molded indent of 38.6mm(1.52in) in both sides.

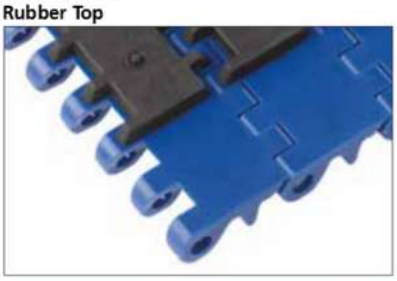
Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-DI/PP		PE-I/PE		POM-DI/PP		PE-I/PE				
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft		**Carry (pcs)	**Return (pcs)
77	3.0	1810	407	604	136	0.6	0.43	0.4	0.29	2	2	2
153	6.0	3596	808	1201	270	1.3	0.85	0.9	0.59	2	2	2
229	9.0	5383	1210	1798	404	1.9	1.28	1.3	0.88	2	2	2
305	12.0	7169	1612	2395	538	2.5	1.70	1.7	1.17	3	3	2
381	15.0	8956	2013	2992	672	3.2	2.13	2.2	1.46	3	3	2
457	18.0	10742	2415	3588	807	3.8	2.55	2.6	1.75	4	4	2
507*	20.0	11910	2677	3978	894	4.2	2.83	2.9	1.94	4	4	2
533	21.0	12529	2816	4185	941	4.4	2.97	3.0	2.04	4	4	2
609	24.0	14315	3218	4782	1075	5.1	3.40	3.5	2.33	5	5	3
685	27.0	16102	3620	5379	1209	5.7	3.82	3.9	2.62	5	5	3
761	30.0	17888	4021	5975	1343	6.3	4.25	4.3	2.92	6	6	3
837	33.0	19675	4423	6572	1477	6.9	4.67	4.8	3.21	6	6	3
913	36.0	21461	4824	7169	1612	7.6	5.09	5.2	3.50	7	7	4
Additional standard belt widths are available in steps of 76.0 mm (2.99 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).												
1977	77.8	46460	10444	15519	3489	16.4	11.03	11.3	7.57	14	14	7
Additional standard belt widths are available in steps of 76.0 mm (2.99 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).												
2965	116.7	69678	15664	23275	5232	24.6	16.54	16.9	11.36	20	20	10

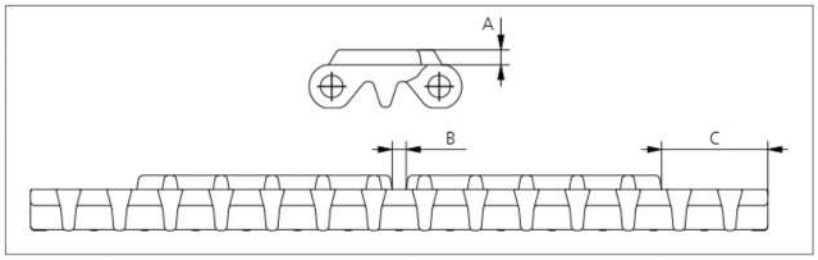
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-DI 1100 N (247 lbf), PE 500 N (112 lbf).
**Max. Spacing between wear strips. Carry: 152.0 mm (6.00 in), Return: 304.0 mm (12.00 in).
= Single Link

STANDARD
STRAIGHT RUNNING
PITCH 25.4 MM/1.00 IN

Accessories

Rubber Top



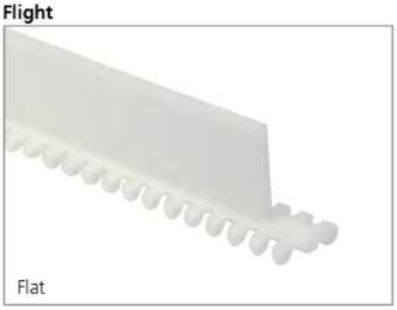


Type	Belt material & color	Rubber material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Flat	PP B	03 K	3.5	0.14	3.5	0.14	26.5	1.04	K725	184.2	7.25

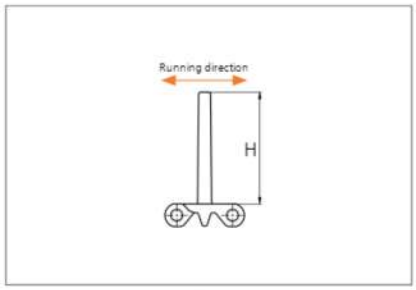
Non Standard material and color: See uni Material and Color Overview.

Accessories

Flight


Flat

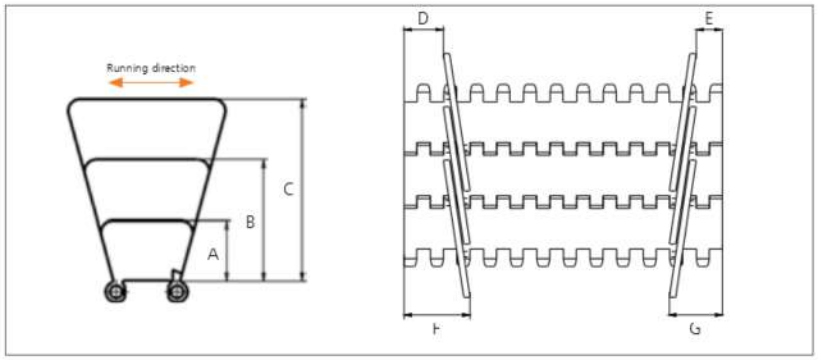

13% Non Stick



Type	Material & color	H		Link size	Width		Indent both sides	
		mm	in		mm	in	mm	in
13% Non Stick	POM-DI W B	76.2	3.00	K600	151.9	5.98	00.0	0.00
	PP-I W B							
Flat	PE-I N B	50.8	2.00	K2000	506.7	19.95	25.8	1.02

Accessories

Side Guard

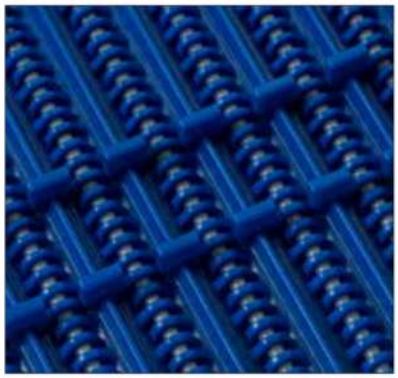


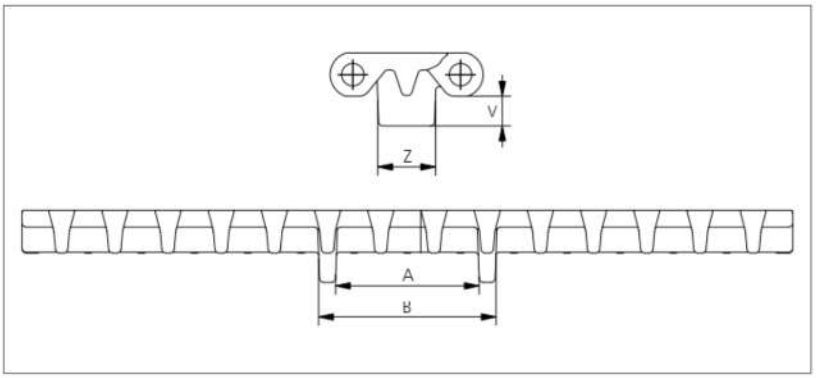
Type	Material & color	A		B		C		D		E		F		G	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
Closed	PP-I W B	25.4	1.00	50.8	2.00	76.2	3.00	18.7	0.74	12.5	0.49	31.5	1.24	25.3	1.00

Minimum indent to outside of side guide: 14.0 mm (0.55 in). Increment 6.4 mm (0.25).
Non Standard material and color: See uni Material and Color Overview.
Backflex radius for Side Guide: 75.0 mm (2.95 in).

Accessories

Tab



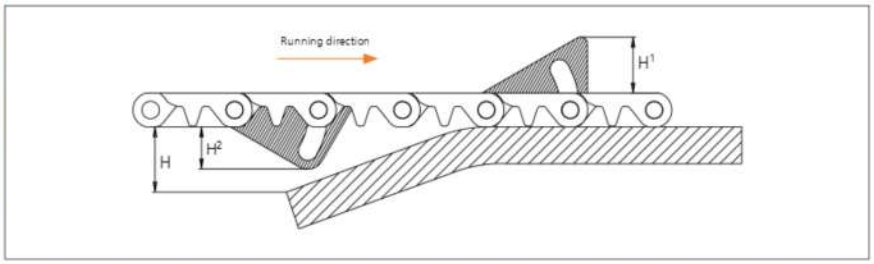


Type	Belt material & color	V		Z		A		B		Link size	Width	
		mm	in	mm	in	mm	in	mm	in		mm	in
Bottom Guide	POM-DI W PP W B	7.0	0.28	13.9	0.55	33.4	1.31	42.8	1.69	K725	184.2	7.25

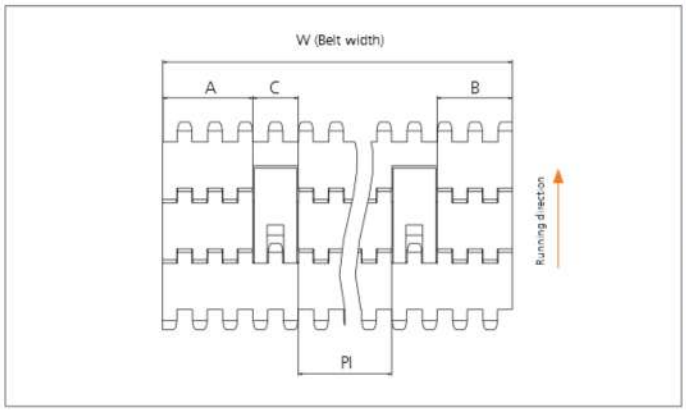
Non Standard material and color: See uni Material and Color Overview.

Accessories

AmFlight



Type	Material & color	H		H¹		H²	
		mm	in	mm	in	mm	in
Push	PE W	17.0	0.67	17.0	0.67	13.3	0.52



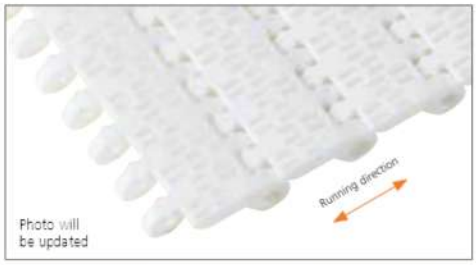
	mm	in
A min	38.4	1.51
B min	32.1	1.26
C	18.0	0.71
Pl max	W - 106.5	W - 4.19
Pl min	32.8	1.29

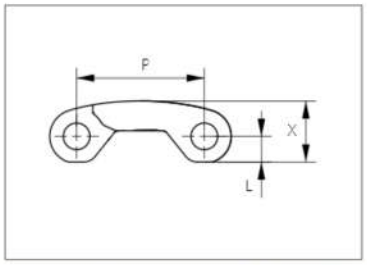
Increment: 12.7 mm (0.50 in).

EN

Plastic Modular Belt

Series **uni S-MPB** Type **22% CS**





Straight running belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Curved Surface
Surface opening: 22%
Backflex radius: 23.0 mm (0.91 in)
Pin diameter: 5.0 mm (0.20 in)

STANDARD

STRAIGHT RUNNING

PITCH 25.4 MM/1.00 IN

Belt material & color	POM-DI W	PP W	PP B	PE-I B
Pin material & color	PP W	PP B	PE N	

	mm	in		mm	in
P (Nominal)	25.4	1.00	**X**	12.1	0.48
L	5.2	0.20	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PBT LG PA6.6 N D

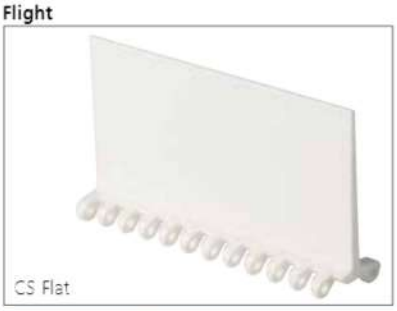
Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-DI/PP		PP/PP		PE-I/PE		POM-DI/PP		PP/PP		PE-I/PE			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	1810	407	732	164	604	136	0.5	0.36	0.4	0.24	0.4	0.24	2	2	2
153	6.0	3596	808	1454	327	1201	270	1.1	0.72	0.7	0.48	0.7	0.48	2	2	2
229	9.0	5383	1210	2176	489	1798	404	1.6	1.08	1.1	0.72	1.1	0.72	2	2	2
305	12.0	7169	1612	2898	652	2395	538	2.1	1.44	1.4	0.96	1.4	0.96	3	3	2
381	15.0	8956	2013	3620	814	2992	672	2.7	1.79	1.8	1.20	1.8	1.20	3	3	2
457	18.0	10742	2415	4343	976	3588	807	3.2	2.15	2.1	1.44	2.1	1.44	4	4	2
533	21.0	12529	2816	5065	1139	4185	941	3.7	2.51	2.5	1.68	2.5	1.68	4	4	2
609	24.0	14315	3218	5787	1301	4782	1075	4.3	2.87	2.9	1.92	2.9	1.92	5	5	3
685	27.0	16102	3620	6509	1463	5379	1209	4.8	3.22	3.2	2.16	3.2	2.16	5	5	3
761	30.0	17888	4021	7231	1626	5975	1343	5.3	3.58	3.6	2.40	3.6	2.40	6	6	3
837	33.0	19675	4423	7954	1788	6572	1477	5.9	3.94	3.9	2.64	3.9	2.64	6	6	3
913	36.0	21461	4824	8676	1950	7169	1612	6.4	4.30	4.3	2.88	4.3	2.88	7	7	4
989	38.9	23248	5226	9398	2113	7766	1746	6.9	4.65	4.6	3.12	4.6	3.12	7	7	4
Additional standard belt widths are available in steps of 76.0 mm (2.99 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).																
1977	77.8	46460	10444	18782	4222	15519	3489	13.8	9.30	9.3	6.24	9.3	6.24	14	14	7
Additional standard belt widths are available in steps of 76.0 mm (2.99 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).																
2965	116.7	69678	15664	28168	6332	23275	5232	20.8	13.95	13.9	9.37	13.9	9.37	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-DI 1100 N (247 lbf), PP 500 N (112 lbf), PE 500 N (112 lbf).
**Max. Spacing between wear strips. Carry: 152 mm (6 in); Return: 304 mm (12 in).
= Single Link

uni chains

Accessories

Flight



Type	Material & color	H		Link size	Width		Indent both sides	
		mm	in		mm	in	mm	in
CS Flat	POM-D W PP-I W B PE-I N B	76.2	3.00	K600	151.9	5.98	00.0	0.00

Sprocket

No. of teeth	Bore size										Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Double row/Two way	Molded LG PA6	Machined N PA6
	Pilot bore	in	0.75	0.78	1.00	1.18	1.25	1.50	1.57	2.36													
		mm	19.05	20.00	25.40	30.00	31.75	38.10	40.00	60.00	mm	in	mm	in	mm	in	mm	in	mm	in			
Z06	✓		●	●							48.9	1.92	50.8	2.00	33.0	1.30	16.9	0.67	30,75	1.21	✓	✓	
Z08	✓				●	●	●				65.6	2.58	66.4	2.61	50.0	1.97	25.6	1.01	38,53	1.51	✓		✓
Z10	✓				●	●	●		●		82.2	3.23	82.2	3.24	66.0	2.60	34.0	1.34	46,44	1.82	✓	✓	
Z12	✓				●	●	●		●		98.6	3.88	98.1	3.86	70.0	2.76	42.3	1.67	54.42	2.14	✓	✓	
Z15	✓				●	●	●	■	●	■	123.1	4.84	122.2	4.81	100.0	3.94	54.54	2.15	66.43	2.62	✓	✓	
Z20	✓						●	●	●	■	163.8	6.44	162.4	6.39	100.0	3.94	75.08	2.96	86.53	3.41	✓	✓	

■ Molded sprocket ● Machined sprocket

Other sprocket sizes are available upon request.
Other bore sizes on sprockets are available upon request.
Round bores are always delivered with keyway.
Max. load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

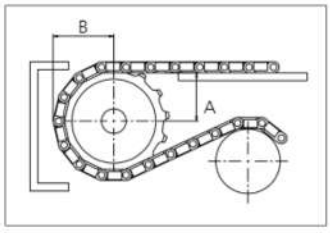
Width of tooth = Single row: 6.35 mm (0.25 in)
= Double row: 12.7 mm (0.50 in)

Width of One-part sprocket = Double row: 25.0 mm (0.98 in)

uni UltraClean Two-Part Sprocket

No. of teeth	Bore size		Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Single row/Two way	Moulded W PA6
	in	1.57												
	mm	40.0	mm	in	mm	in	mm	in	mm	in	mm	in		
Z12		■	98.6	3.88	98.1	3.86	80.0	3.15	42.3	1.67	54.42	2.14	✓	✓
Z15		■	123.1	4.84	122.2	4.81	80.0	3.15	54.54	2.15	66.43	2.62	✓	✓
Z20		■	163.8	6.44	162.4	6.39	118.0	4.65	75.08	2.96	86.53	3.41	✓	✓

■ Moulded uni UltraClean TwoPart Sprocket



Width of UltraClean Two part sprocket = Single row: 44.0 mm (1.73 in)
Width of UltraClean Two-part tooth = Single row: 6.35 mm (0.25 in)

uni Retainer Rings: See uni Retainer Ring data sheet.
For correct sprocket position: See uni Assembly Instructions for uni S-MPB.
For more detailed sprocket information, contact Customer Service.

Paso de 25.4 mm (1.00 pulgadas)

uni CNB – Banda de fácil limpieza para aplicaciones ligeras

La uni CBN es una banda de fácil limpieza para el transporte de productos ligeros en diversas aplicaciones alimentarias. La banda se suministra en diferentes aperturas para optimizar el drenaje y el paso de aire, e incluye accesorios como soportes y protecciones laterales. Su sistema único de tracción sobre la articulación hace que la banda sea muy fácil de limpiar.

La banda CNB es la preferida en las siguientes industrias/ aplicaciones:

- Cárnica y avícola, incluyendo transporte general y líneas de alimentación
- Fruta y verdura, incluyendo elevadores, peladores de vapor y mesas de inspección
- Marisco, incluyendo elevadores, mesas de inspección, líneas de clasificación y de corte, glaseado y cocinado
- Panadería, incluyendo manipulado de masa cruda, líneas de enfriamiento y congelado, empaquetado y detectores de metales

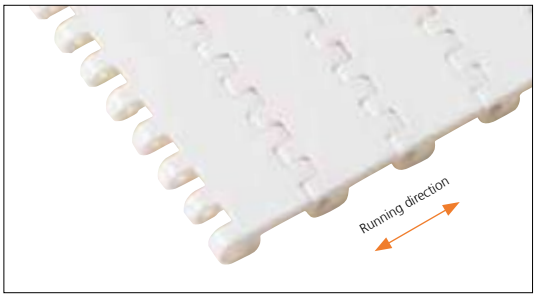
Características del producto y ventajas de funcionamiento:

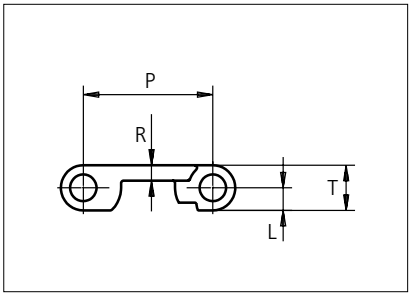
- Fácil de limpiar
- El sistema de cierre único (lockpin) permite un mantenimiento más sencillo y rápido
- Engranaje único de las ruedas que permite una colocación precisa y una fácil limpieza
- Aperturas variadas para optimizar su funcionamiento en aplicaciones de enfriamiento y drenaje

EN

Plastic Modular Belt

Series **uni CNB** Type **C**





Straight running belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: Closed
Backflex radius: 40.0 mm (1.60 in)
Pin diameter: 5.0 mm (0.20 in)

Belt material & color	POM-D **W**	PP **W**	PP **B**	PE **N**
Pin material & color	PP **W**	PP **B**	PE **N**	

	mm	in		mm	in
P (Nominal)	25.4	1.00	**T**	8.8	0.35
R	3.0	0.12	**L**	4.4	0.17

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PE **W** PA6.6 **B** PBT **LG** SS304 Lockpin: PBT **LG** PA6.6 **N** PP **W** **B** PE **N**

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PP		PP/PP		PE/PE		POM-D/PP		PP/PP		PE/PE			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	1040	234	539	121	477	107	0.4	0.30	0.3	0.20	0.3	0.21	2	2	2
153	6.0	2065	464	1071	241	949	213	0.9	0.60	0.6	0.40	0.6	0.41	2	2	2
229	9.0	3091	695	1603	360	1420	319	1.3	0.89	0.9	0.60	0.9	0.62	2	2	2
305	12.0	4117	926	2135	480	1891	425	1.8	1.19	1.2	0.80	1.2	0.82	3	3	2
381	15.0	5143	1156	2667	600	2362	531	2.2	1.49	1.5	1.00	1.5	1.02	3	3	2
457	18.0	6169	1387	3199	719	2833	637	2.7	1.78	1.8	1.20	1.8	1.23	4	4	2
533	21.0	7195	1617	3731	839	3304	743	3.1	2.08	2.1	1.40	2.1	1.43	4	4	2
609	24.0	8221	1848	4263	958	3776	849	3.5	2.37	2.4	1.60	2.4	1.64	5	5	3
685	27.0	9247	2079	4795	1078	4247	955	4.0	2.67	2.7	1.80	2.7	1.84	5	5	3
761	30.0	10273	2309	5327	1197	4718	1061	4.4	2.97	3.0	1.99	3.0	2.05	6	6	3
837	33.0	11299	2540	5859	1317	5189	1167	4.9	3.26	3.3	2.19	3.3	2.25	6	6	3
913	35.9	12325	2771	6391	1437	5660	1272	5.3	3.56	3.6	2.39	3.7	2.45	7	7	4
989	38.9	13351	3001	6923	1556	6132	1378	5.7	3.85	3.9	2.59	4.0	2.66	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1977	77.8	26690	6000	13839	3111	12257	2755	11.5	7.71	7.7	5.18	7.9	5.31	14	14	7

Additional standard belt widths are available in steps of 76.0 mm (2.99 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

2965	116.7	40028	8998	20755	4666	18383	4132	17.2	11.56	11.6	7.77	11.9	7.97	20	20	10

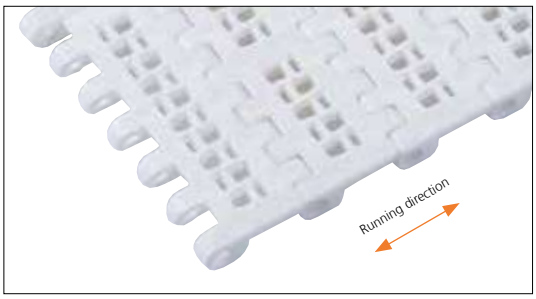
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 600 N (135 lbf).PP 500 N (112 lbf)
**Max. Spacing between wear strips. Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in)
= Single Link

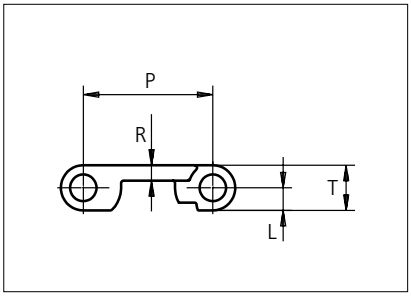
STANDARD
STRAIGHT RUNNING
PITCH 25.4 MM/1.00 IN

EN

Plastic Modular Belt

Series **uni CNB** Type **18%**





Straight running belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: 18%
Backflex radius: 40.0 mm (1.60 in)
Pin diameter: 5.0 mm (0.20 in)

Belt material & color	PP W
Pin material & color	PP W

	mm	in		mm	in
P (Nominal)	25.4	1.00	**T**	8.8	0.35
R	3.0	0.12	**L**	4.4	0.17

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PE W PA6.6 B PBT LG SS304 Lockpin: PBT LG PA6.6 N PP W B PE N

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP/PP		PP/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
77	3.0	539	121	0.3	0.18	2	2	2
153	6.0	1071	241	0.5	0.36	2	2	2
229	9.0	1603	360	0.8	0.54	2	2	2
305	12.0	2135	480	1.1	0.72	3	3	2
381	15.0	2667	600	1.3	0.90	3	3	2
457	18.0	3199	719	1.6	1.07	4	4	2
533	21.0	3731	839	1.9	1.25	4	4	2
609	24.0	4263	958	2.1	1.43	5	5	3
685	27.0	4795	1078	2.4	1.61	5	5	3
761	30.0	5327	1197	2.7	1.79	6	6	3
837	33.0	5859	1317	2.9	1.97	6	6	3
913	35.9	6391	1437	3.2	2.15	7	7	4
989	38.9	6923	1556	3.5	2.33	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1977	77.8	13839	3111	6.9	4.65	14	14	7

Additional standard belt widths are available in steps of 76.0 mm (2.99 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

2965	116.7	20755	4666	10.4	6.97	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: PP 500 N (112 lbf)
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in)
= Single Link

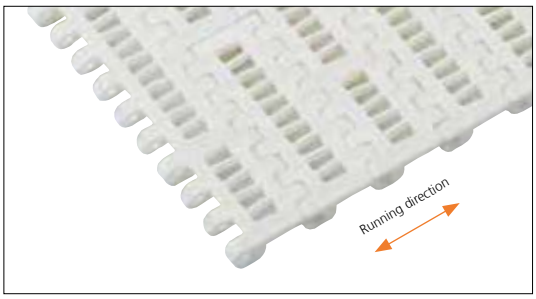
uni chains

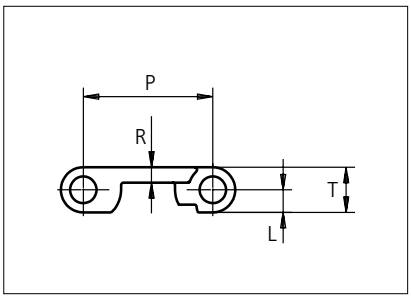
STANDARD
STRAIGHT RUNNING
PITCH 25.4 MM/1.00 IN

EN

Plastic Modular Belt

Series **uni CNB** Type **22%**





Straight running belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: 22%
Backflex radius: 40.0 mm (1.60 in)
Pin diameter: 5.0 mm (0.20 in)

Belt material & color	PP W	POM-D W	PE N
Pin material & color	PP W		PE N

	mm	in		mm	in
P (Nominal)	25.4	1.00	**T**	8.8	0.35
R	3.0	0.12	**L**	4.4	0.17

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PE W PA6.6 B PBT LG SS304 Lockpin: PBT LG PA6.6 N PP W B PE N

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	1040	234	539	121	477	107	0.4	0.25	0.3	0.18	0.3	0.18	2	2	2
153	6.0	2065	464	1071	241	949	213	0.7	0.49	0.5	0.35	0.5	0.36	2	2	2
229	9.0	3091	695	1603	360	1420	319	1.1	0.74	0.8	0.52	0.8	0.54	2	2	2
305	12.0	4117	926	2135	480	1891	425	1.5	0.98	1.0	0.70	1.1	0.72	3	3	2
381	15.0	5143	1156	2667	600	2362	531	1.8	1.23	1.3	0.87	1.3	0.90	3	3	2
457	18.0	6169	1387	3199	719	2833	637	2.2	1.47	1.6	1.04	1.6	1.07	4	4	2
533	21.0	7195	1617	3731	839	3304	743	2.6	1.72	1.8	1.22	1.9	1.25	4	4	2
609	24.0	8221	1848	4263	958	3776	849	2.9	1.96	2.1	1.39	2.1	1.43	5	5	3
685	27.0	9247	2079	4795	1078	4247	955	3.3	2.21	2.3	1.57	2.4	1.61	5	5	3
761	30.0	10273	2309	5327	1197	4718	1061	3.7	2.45	2.6	1.74	2.7	1.79	6	6	3
837	33.0	11299	2540	5859	1317	5189	1167	4.0	2.70	2.8	1.91	2.9	1.97	6	6	3
913	35.9	12325	2771	6391	1437	5660	1272	4.4	2.95	3.1	2.09	3.2	2.15	7	7	4
989	38.9	13351	3001	6923	1556	6132	1378	4.7	3.19	3.4	2.26	3.5	2.33	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

1977	77.8	26690	6000	13839	3111	12257	2755	9.5	6.38	6.7	4.52	6.9	4.65	14	14	7

Additional standard belt widths are available in steps of 76.0 mm (2.99 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

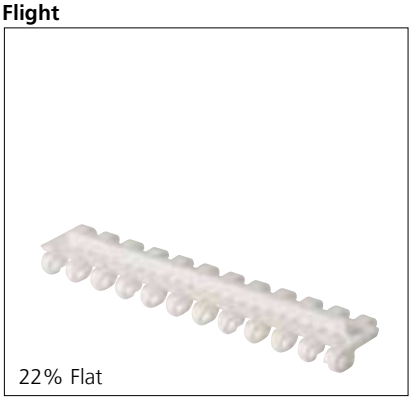
2965	116.7	40028	8998	20755	4666	18383	4132	14.2	9.56	10.1	6.77	10.4	6.97	20	20	10

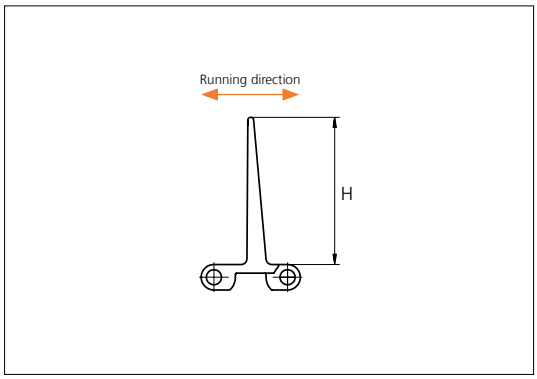
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 600 N (135 lbf), PP 500 N (112 lbf)
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in)
= Single Link

STANDARD
STRAIGHT RUNNING
PITCH 25.4 MM/1.00 IN

Accessories

Flight



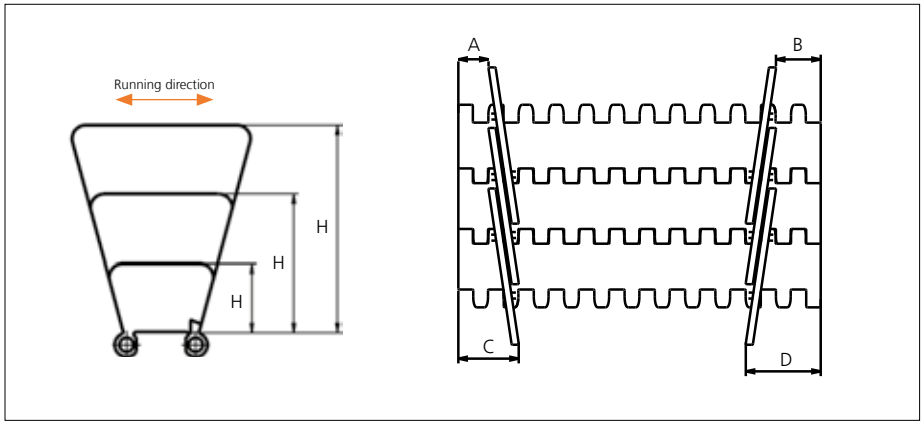


Type	Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
22% Flat	PE N PP-I W	5.0	0.20	K300	75.9	2.99	6.4	0.25
				K600	152.0	5.98		
Flat/waves	POM-D W PE N PP-I W PP-I B	25.4	1.00	K600	152.0	5.98	0.0	0.00
		50.8	2.00					
		76.2	3.00					

Minimum bricklayed indent is 38.1 mm (1.50 in). Increment: 12.7 mm (0.50 in).
Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard



Type	Material & color	H		A (Min.)		B (Min.)		C (Min.)		D (Min.)	
		mm	in	mm	in	mm	in	mm	in	mm	in
Closed	PP-I W B	25.4	1.00	12.5	0.49	18.5	0.73	25.5	1.00	31.5	1.24
		50.8	2.00								
		76.2	3.00								

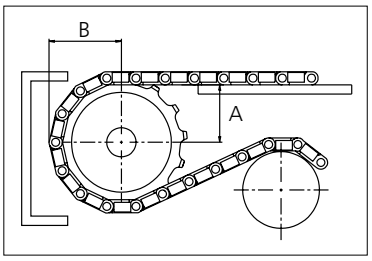
Minimum indent to outside of Side Guard: 14.0 mm (0.55 in). Increment 6.4 mm (0.25).
Non Standard material and color: See uni Material and Color Overview.
Backflex radius for Side Guard: 75.0 mm (2.95 in)

Sprocket

No of teeth	Bore size								Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Double row/Two way	LG PA6 Molded
	Pilot bore	in	0.98	1.00	1.18	1.25	1.50	1.57												
		mm	25.0	25.4	30.0	31.8	38.1	40.0	mm	in	mm	in	mm	in	mm	in	mm	in		
Z10	✓		●	●	●	●			80.0	3.15	82.2	3.24	70.0	2.76	34.7	1.37	45.5	1379	✓	✓
Z12	✓			●	●	●			96.8	3.81	98.1	3.86	70.0	2.76	43.0	1.69	53.5	2.11	✓	✓
Z15	✓			●	●	●			121.5	4.78	122.2	4.81	70.0	2.76	55.3	2.18	65.5	2.58	✓	✓
Z18	✓				●	●	■	■	146.0	5.75	146.3	5.76	70.0	2.76	67.6	2.66	77.5	3.05	✓	✓
Z19	✓				●	●	■	■	154.2	6.07	154.3	6.07	70.0	2.76	71.7	2.82	81.6	3.21	✓	✓

■ **Molded sprocket** ● **Molded sprocket**

Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request.
Two-part sprockets are available upon request.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet.
Width of tooth = 12.0 mm (0.47 in)
Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni CNB.
For more detailed sprocket information. contact Customer Service.

La siguiente generación de bandas modulares de plástico para cartón ondulado

Presentación de un nuevo e innovador producto **uni JCB**

La seguridad es lo primero

El diseño de la banda uni JCB provino del estudio del personal de las plantas de cartón ondulado mientras caminaban por bandas transportadoras modulares en movimiento como parte de su rutina laboral diaria. Esta banda posee un nuevo diseño en Y de la superficie de seguridad superior y bordes de banda altamente visibles.

Cualquier solución que pueda ayudar a mejorar la seguridad del trabajador debe recibir siempre la máxima prioridad y, con la cada vez mayor responsabilidad puesta en los propietarios y jefes de planta, la industria del cartón ondulado apreciará enormemente esta nueva contribución adicional a la seguridad de los trabajadores por medio del nuevo sistema de banda uni JCB.

La nueva banda uni JCB posee una gran capacidad de carga que permite el transporte más largo posible y reduce el número de puntos de transferencia. Al combinarse con la nueva parte inferior perfilada y curvada de la banda, se mantiene durante el transporte tanto la ejecución fluida alrededor de los rodillos del terminal del transportador como la mejor calidad de apilado posible.








La seguridad es lo primero

Las normas de prevención de accidentes requieren suelos y áreas de las fábricas por donde los trabajadores caminen seguros. Se deben adoptar medidas de protección especiales en los lugares en los que exista un riesgo mayor de lo normal. Las bandas de transporte en movimiento sobre las que los trabajadores necesitan caminar como parte del procedimiento normal de trabajo requieren una atención especial.

uni JCB	**Seguridad**	· Superficie de banda superior de SEGURIDAD con perfil en Y. · Agarre de superficie adecuado para los peatones que cruzan las bandas. · Bordes de banda altamente visibles para destacar los extremos de la zona de movimiento. · Bordes de banda achaflanados para reducir los riesgos de caída.
	Menor gasto total de propiedad	· Permite el transporte completamente automatizado de las pilas de cartón corrugado. · Elimina el uso de láminas deslizantes para la mayoría de productos de cartón corrugado. · Se minimizan las mermas de la planchas inferiores. · Superficies de contacto higiénicamente limpias, sin suciedad que manche las piezas de cartón. · Bajo coste de mantenimiento gracias a que apenas requiere mantenimiento. · Larga vida útil de las bandas, una solución de transporte económica.
	Eficacia de la planta	· Transporte fiable y seguro para todos los productos de cartón corrugado. · Sin "pies de elefante" en la base de las pilas de cartón corrugado.

Características de la banda

Alta capacidad de carga, secciones de transportador más largas, menores motores de accionamiento y menores transferencias de producto.

Mayor rigidez de la banda con respeto a nuestra uni QNB, y transferencias más ajustadas con cargas elevadas de banda con altas cargas.

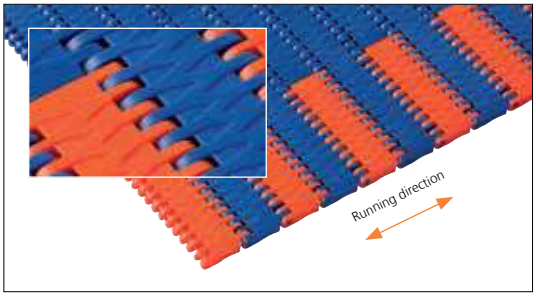
Sistema de bloqueo de pin único para una instalación más sencilla.

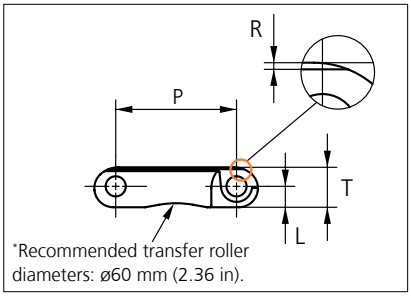
Piñones intercambiable con el sistema de bandas uni QNB.

EN

Plastic Modular Belt

Series **uni JCB** Type **Y-Top**





*Recommended transfer roller diameters: ø60 mm (2.36 in).

Straight running belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Y Pattern surface grid
Surface opening: 0%
Backflex radius: 25.0 mm (0.98 in)
Pin diameter: 4.0 mm (0.16 in)

Belt material & color	POM SLF B
Pin material & color	PA6.6 B PA6.6 B *

	mm	in		mm	in
P (Nominal)	25.4	1.00	**T**	8.4	0.33
L	4.4	0.17	**R**	0.4	0.02

POM SLF orange or yellow links can be used as SAFE WALK markers.
*Only for K200 / K300 chain

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min No drive sprocket per shaft	Number of wear strips (min no)	
		POM SLF/PA6.6		POM SLF/PA6.6			***Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
51 (chain)	2.0	1785	401	0.3	0.22	1	2	2
77 (chain)	3.0	2695	606	0.5	0.34	1	2	2
153	6.0	5355	1204	1.0	0.67	2	2	2
229	9.0	8015	1802	1.5	1.00	2	2	2
305	12.0	10675	2400	2.0	1.33	3	3	2
381	15.0	13335	2998	2.5	1.66	3	3	2
457	18.0	15995	3596	3.0	2.00	4	4	2
533	21.0	18655	4194	3.5	2.33	4	4	2
609	24.0	21315	4792	4.0	2.66	5	5	3
685	27.0	23975	5390	4.5	2.99	5	5	3
761	30.0	26635	5988	4.9	3.32	6	6	3
837	33.0	29295	6586	5.4	3.66	6	6	3
913	35.9	31955	7183	5.9	3.99	7	7	4

Standard Increments in belt width: 76.3 mm (3.00 in).

1978	77.9	69230	15563	12.9	8.64	14	14	7

Standard Increments in belt width: 76.3 mm (3.00 in).

2966	116.8	103810	23336	19.3	12.96	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-SLF 2300 N (517 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
***Full Carry way Support (FS) deck of wearstrip material recommended for safe walk belts.
= Single Link

Sprocket

No. of teeth	Bore size									Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	LG PA6 Moulded
	Pilot bore	in	1.00	1.18	1.25	1.50	1.57	2.36	2.50												
		mm	25.4	30.0	31.8	38.1	40.0	60.0	63.5	mm	in	mm	in	mm	in	mm	in	mm	in		
Z10	✓		●	●	●	■	●			80.3	3.16	82.2	3.24	65.0	2.56	34.7	1.36	45.5	1.79	✓	✓
Z12	✓		●	●	●	■	●■			96.8	3.81	98.1	3.86	70.0	2.76	43.0	1.69	53.5	2.11	✓	✓
Z15	✓			●	●	●■	●■	[2]■	[1]■	121.5	4.78	122.2	4.81	70.0 [1]100.0 [2]104.0	2.76 [1]3.94 [2]4.09	55.4	2.18	65.5	2.58	✓	✓
Z18	✓			●	●	●■	●■	[2]■	[1]■	146.0	5.75	146.3	5.76	70.0 [2]104.0 [1]120.0	2.76 [2]4.09 [1]4.72	67.6	2.66	77..5	3.05	✓	✓
Z19	✓			●	●	●■	■	[1]■	[1]■	154.2	6.07	154.3	6.07	70.0 [1]120.0	2.76 [1]4.72	71.7	2.82	81.6	3.21	✓	✓

● **Moulded sprocket** ■ **Moulded sprocket** ■ **Moulded sprocket**

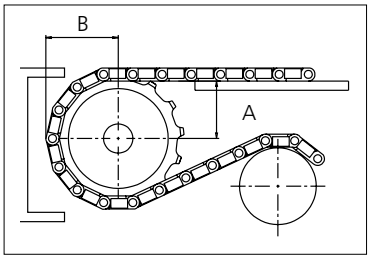
Other sprocket sizes are available upon request.
Round bores are always delivered with keyway.
Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet.
Width of tooth = 10.0 mm (0.39 in)
Width of OnePart sprocket = 25.0 mm (0.98 in)

uni UltraFit Two-Part Sprocket

No. of teeth	in	1.50	1.57	2.36	2.50	Overall diameter		Pitch diameter		Hub/adapter diameter		Hub/adapter width		Dimension A		Dimension B		Single row/Two way	LG PA6 Moulded	B POM-D Adapter Moulded
	mm	38.1	40.0	60.0	63.5	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in			
Z12		■	■			96.8	3.81	98.2	3.87	83.0	3.27	25.0 76.0	0.98 2.99	43	1.69	53.5	2.11	✓	✓	✓
Z13		■	■			104.8	4.13	106.2	4.18	83.0	3.27	25.0 76.0	0.98 2.99	47.1	1.86	57.1	2.25	✓	✓	✓
Z15		■	■	■	■	121.5	4.78	122.5	4.82	106.0	4.14	25.0 76.0	0.98 2.99	55.4	2.18	65.5	2.58	✓	✓	✓
Z16		■	■	■	■	129.7	5.11	130.2	5.13	106.0	4.14	25.0 76.0	0.98 2.99	59.5	2.35	69.5	2.74	✓	✓	✓
Z18		■	■	■	■	146.1	5.75	146.3	5.76	106.0	4.14	25.0 76.0	0.98 2.99	67.6	2.66	77.5	3.05	✓	✓	✓
Z19		■	■	■	■	154.2	6.07	154.3	6.07	106.0	4.14	25.0 76.0	0.98 2.99	71.7	2.82	81.6	3.21	✓	✓	✓

■ **Moulded uni UltraFit TwoPart Sprocket (Narrow adapter)**

■ **Moulded uni UltraFit TwoPart Sprocket (Wide adapter)**



For correct sprocket position:
See uni Assembly Instructions for uni QNB.
For more detailed sprocket information contact Customer Service.

Paso de 27.9 mm (1.10 pulgadas)

uni OWL – la banda resistente al calor y al desgaste con una superficie de fricción mínima

La banda uni OWL con un paso de 1.1 pulgadas se ha creado para aplicaciones que requieren un área abierta grande.

Junto con las propiedades de los materiales, el diseño en banda abierta con una superficie de contacto mínima, proporciona resistencia al calor, una liberación fácil de los films de plástico y un buen paso del aire.

La banda uni OWL ha mejorado el rendimiento en las siguientes industrias/aplicaciones:

- Túneles de retractilado sin necesidad de lubricación y minimización de restos de film
- Panadería, incluyendo líneas de enfriamiento
- Fruta y verdura, incluyendo líneas de deshidratación y enfriamiento

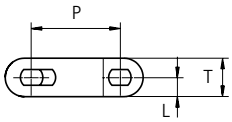
Características del producto y ventajas de funcionamiento:

- Fricción y contacto mínimos entre el producto y la banda
- Gran área abierta para un fácil drenaje/paso del aire (66% de apertura de la banda)
- El material especial permite una temperatura de funcionamiento de 180°C (356°F) y la temperatura máxima de resistencia de la banda alcanza hasta 230°C (446°F)
- Superficie de la banda antiadherente patentada

EN

Plastic Modular Belt

Series **uni OWL** Type **66%**



Straight running belt
Nominal pitch: 27.9 mm (1.10 in)
Surface type: Flat
Surface opening: 66%
Backflex radius: 40.0 mm (1.57 in)
Pin diameter: 4.0 mm (0.16 in)

Travel in both directions is possible. uni-chains recommends this travel direction.

Belt material & color	PA6.6 GFH **K**	PA6.6 GFH **B**	PP **W**	PP **B**
Pin and lock material & color	SS304 PA6.6 GFH **K**	SS304 PA6.6 GFH **B**	PBT **LG** PP **W**	PBT **LG** PP **B**

	mm	in		mm	in
P (Nominal)	27.9	1.10	**T**	11.0	0.43
L	5.5	0.22	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PA6.6 **B** PBT **LG** SS304

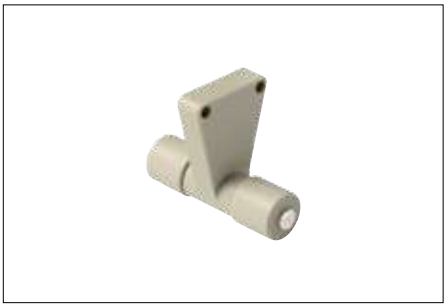
*Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				**Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PA6.6 GFH/SS		PP/PA6.6		PA6.6 GFH/SS		PP/PA6.6			***Carry (pcs)	***Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
303	11.9	3636	817	2424	545	2.3	1.57	1.4	0.94	3	3	2
337	13.3	4040	908	2693	605	2.6	1.74	1.5	1.04	3	3	2
370	14.6	4443	999	2962	666	2.9	1.92	1.7	1.14	3	3	2
404	15.9	4847	1090	3231	726	3.1	2.09	1.9	1.25	3	3	2
438	17.2	5250	1180	3500	787	3.4	2.26	2.0	1.35	3	3	2
471	18.5	5654	1271	3769	847	3.6	2.44	2.2	1.46	4	4	2
505	19.9	6057	1362	4038	908	3.9	2.61	2.3	1.56	4	4	2
538	21.2	6461	1452	4307	968	4.1	2.79	2.5	1.66	4	4	2
572	22.5	6864	1543	4576	1029	4.4	2.96	2.6	1.77	4	4	2
606	23.8	7268	1634	4845	1089	4.7	3.13	2.8	1.87	5	5	3
639	25.2	7672	1725	5114	1150	4.9	3.31	2.9	1.98	5	5	3
673	26.5	8075	1815	5383	1210	5.2	3.48	3.1	2.08	5	5	3
707	27.8	8479	1906	5652	1271	5.4	3.66	3.3	2.18	5	5	3
Standard Increments in belt width : 33.6 mm (1.32 in).												
1984	78.1	23808	5352	15872	3568	15.3	10.27	9.1	6.13	14	14	7
Standard Increments in belt width : 33.6 mm (1.32 in).												
2993	117.8	35916	8074	23944	5383	23.0	15.49	13.8	9.25	20	20	10

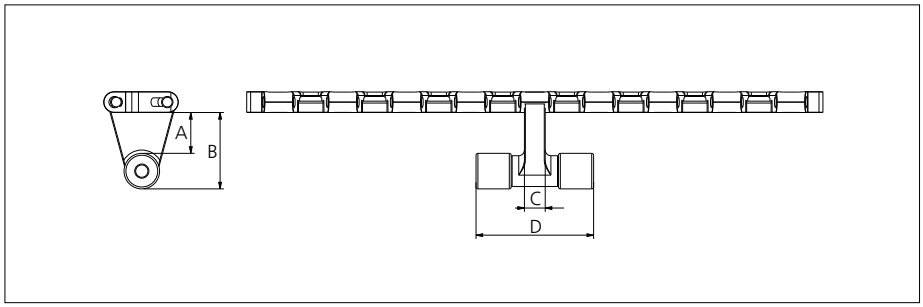
*The belt width in PA6.6 GFH is 1% wider than the belt width in the table
**Max. Load per Drive Sprocket. Belt material: PA6.6 GFH 1200 N (270 lbf), PP 800 N (180 lbf)
***Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in)
= Single Link

STANDARD
STRAIGHT RUNNING
PITCH 27.9 MM/1.10 IN

Accessories

Tab/NON STANDARD





Type	Belt material & color	A		B		C		D	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down Roller Tab	PP **W**	23.6	0.93	42.6	1.68	11.0	0.43	63.5	2.50

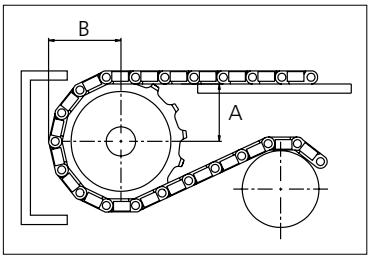
Non Standard material and color: See uni Material and Color Overview.

Sprocket

No. of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/One way	Double row/Two way	LG PA6 Molded	N PA6 Machined
	Pilot bore	in	**0.75**	0.78	0.98	**1.00**	1.18	**1.25**	**1.50**	1.57	2.36	**2.50**	3.54														
		mm	19.1	**20.0**	**25.0**	25.4	**30.0**	31.8	38.1	**40.0**	**60.0**	63.5	**90.0**	mm	in	mm	in	mm	in	mm	in	mm	in				
Z9	x				■	● ■	●	●		● ■				82.7	3.26	80.2	3.16	63.7	2.51	32.8	1.29	46.4	1.83	x			x
Z11	x					●	●	●	■	● ■				101.0	3.98	97.9	3.85	82.0	3.23	42.0	1.65	55.1	2.17	x			x
Z13	x					●	●	●	■	● ■				119.2	4.69	115.6	4.55	100.2	3.94	51.1	2.01	63.8	2.51	x			x
Z15	x						●	●	● ■	● ■	■			137.3	5.41	133.4	5.25	118.3	4.66	60.1	2.37	72.6	2.86	x			x

■ **Machined sprocket** ● **Machined sprocket**

Non standard material and color: See uni Material and Color Overview.

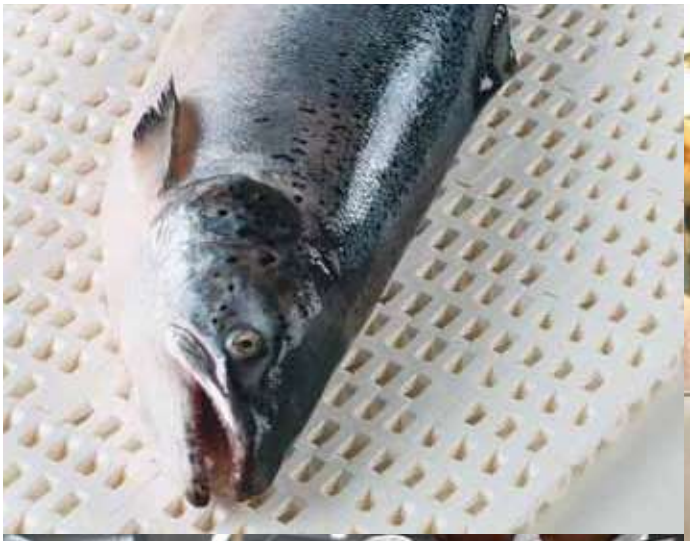


Other sprocket sizes are available upon request.
Two-part sprocket are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet.
Width of tooth =12.5 mm (0.49 in)
Width of sprocket = 30.0 mm (1.18 in)

Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OWL.
For more detailed sprocket information, contact Customer Service.

Paso de 50.8 mm (2.00 pulgadas)



uni MPB – La banda modular plástica más higiénica del mundo

La uni MPB es la banda modular de plástico de tramo recto y paso de 2 pulgadas más higiénica del mundo y ha obtenido las autorizaciones más actualizadas de la NSF/USDA. Esta banda se usa en varias aplicaciones alimentarias y se suministra en distintos estilos, desde cerrada o abierta, hasta con rodillos o Sup. superior de goma.

La banda uni MPB es la preferida en las siguientes industrias/ aplicaciones:

- Cárnica (ternera y cerdo), incluyendo líneas de deshuesado, corte de grasa, líneas de desviscerado, transporte de desechos, empaquetado y transportadores inclinados
- Avícola, incluyendo líneas de jaulas, deshuesado, corte de grasa, transporte de desechos, clasificado, empaquetado y transportadores inclinados
- Fruta y verdura, incluyendo elevadores, pelado al vapor, mesas de inspección, escaldadores y líneas de empaquetado
- Marisco, incluyendo alimentación a granel, elevadores, mesas de inspección, clasificado, glaseado, enfriado y congelación
- Aperitivos, incluyendo descarga de la freidora y aplicaciones con inclinación

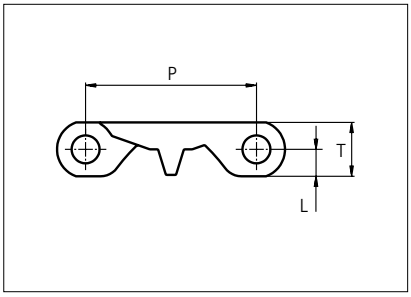
Características del producto y ventajas de funcionamiento:

- La banda con uni Single Link® (no modular) es fácil de limpiar y reduce hasta un 70% los tiempos muertos dedicados a limpieza
- La banda Single Link® reduce el crecimiento de bacterias y elimina el peligro de que los cuchillos queden trabados en las juntas direccionales de la banda
- Sistema de cierre único (lockpin)
- Sistema de engranaje único
- Soportes fuertes y gruesos que soportan más carga sin roturas
- Superficies deslizantes y antideslizantes que permiten optimizar el movimiento del producto

EN

Plastic Modular Belt

Series **uni MPB** Type **C**



Straight running belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Flat
Surface opening: Closed
Backflex radius: 65.0 mm (2.6 in)
Pin diameter: 8 mm (0.31 in)

Belt material & color	POM-DI W B	PP W B	NBWR W	PE-I N B	
Pin material & color	PP W			PE W	

	mm	in		mm	in
P (Nominal)	50.8	2.00	**T**	16.0	0.63
L	8.0	0.31	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PA6.6 N PP W PE W PBT LG SS304 Lockpin: PA6.6 B PBT LG Trilock: PA6.6 N

Belt width		Permissible tensile force (Belt/pin material)								Belt weight (Belt/pin material)								*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-DI/PP		PP/PP		PE-I/PE		NBWR/PP		POM-DI/PP		PP/PP		PE-I/PE		NBWR/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	Kg/m	lb/ft	Kg/m	lb/ft	Kg/m	lb/ft	Kg/m	lb/ft			
68	2.7	1870	420	1088	245	884	199	561	126	0.8	0.54	0.6	0.38	0.6	0.40	0.7	0.44	2	2	2
84	3.3	2306	518	1341	302	1090	245	692	155	1.0	0.67	0.7	0.47	0.7	0.50	0.8	0.54	2	2	2
151	5.9	4153	933	2416	543	1963	441	1246	280	1.8	1.21	1.3	0.84	1.3	0.89	1.4	0.97	2	2	2
168	6.6	4620	1039	2688	604	2184	491	1386	312	2.0	1.34	1.4	0.94	1.5	0.99	1.6	1.08	2	2	2
185	7.3	5088	1144	2960	665	2405	541	1526	343	2.2	1.48	1.5	1.03	1.6	1.09	1.8	1.19	2	2	2
202	8.0	5555	1249	3232	727	2626	590	1667	375	2.4	1.62	1.7	1.13	1.8	1.19	1.9	1.30	2	2	2
219	8.6	6023	1354	3504	788	2847	640	1807	406	2.6	1.75	1.8	1.22	1.9	1.30	2.1	1.41	2	2	2
235	9.3	6463	1453	3760	845	3055	687	1939	436	2.8	1.88	2.0	1.31	2.1	1.39	2.3	1.52	2	2	2
Additional standard belt widths are available in steps of 16.8 mm (0.66 in).																				
655	25.8	18013	4049	10480	2356	8515	1914	5404	1215	7.8	5.24	5.4	3.65	5.8	3.87	6.3	4.23	5	5	3
672	26.5	18480	4154	10752	2417	8736	1964	5544	1246	8.0	5.37	5.6	3.75	5.9	3.97	6.5	4.34	5	5	3
688	27.1	18920	4253	11008	2475	8944	2011	5676	1276	8.2	5.50	5.7	3.84	6.1	4.07	6.6	4.44	5	5	3
705	27.8	19388	4358	11280	2536	9165	2060	5816	1307	8.4	5.64	5.9	3.93	6.2	4.17	6.8	4.55	5	5	3
722	28.4	19855	4463	11552	2597	9386	2110	5957	1339	8.6	5.77	6.0	4.03	6.4	4.27	6.9	4.66	5	5	3
Additional standard belt widths are available in steps of 16.8 mm (0.66 in).																				
1963	77.3	53983	12135	31408	7061	25519	5737	16195	3641	23.4	15.70	16.3	10.95	17.3	11.61	18.8	12.66	14	14	7
Additional standard belt widths are available in steps of 16.8 mm (0.66 in).																				
2970	116.9	81675	18361	47520	10682	38610	8680	24503	5508	35.3	23.75	24.7	16.57	26.1	17.56	28.5	19.16	20	20	10

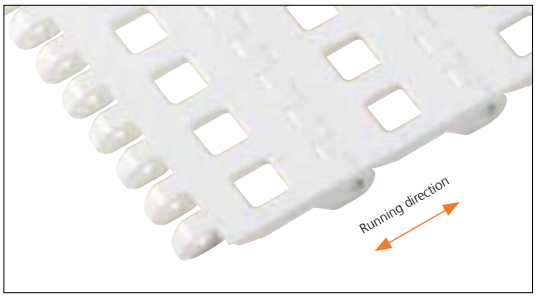
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-DI with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf).
**Max. Spacing between wear strips. Carry: 152 mm (6 in); Return: 304 mm (12 in).
= Single Link

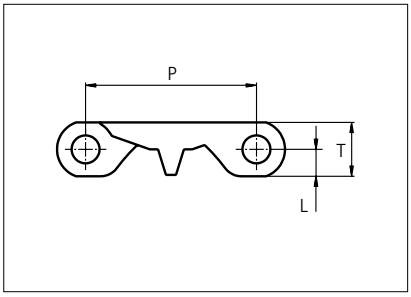
STANDARD
STRAIGHT RUNNING
PITCH 50.8 MM/2.00 IN

EN

Plastic Modular Belt

Series **uni MPB** Type **16%**





Straight running belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Flat
Surface opening: 16%
Backflex radius: 65.0 mm (2.60 in)
Pin diameter: 8.0 mm (0.31 in)

Belt material & color	PP **W**
Pin material & color	PP **W**

	mm	in		mm	in
P (Nominal)	50.8	2.00	**T**	16.0	0.63
L	8.0	0.31	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PA6.6 **N** PP **W** PE **W** PBT **LG** SS304 Lockpin: PA6.6 **B** PBT **LG** Trilock: PA6.6 **N**

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP/PP		PE-I/PE		PP/PP		PE-I/PE			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	Kg/m	lb/ft	Kg/m	lb/ft			
152	6.0	2432	547	1976	444	1.1	0.77	1.2	0.82	2	2	2
202	8.0	3232	727	2626	590	1.5	1.02	1.6	1.09	2	2	2
253	10.0	4048	910	3289	739	1.9	1.28	2.0	1.36	2	2	2
303	11.9	4848	1090	3939	885	2.3	1.53	2.4	1.63	3	3	2
354	13.9	5664	1273	4602	1035	2.7	1.78	2.8	1.90	3	3	2
404	15.9	6464	1453	5252	1181	3.0	2.04	3.2	2.17	3	3	2
455	17.9	7280	1637	5915	1330	3.4	2.29	3.6	2.45	4	4	2
505	19.9	8080	1816	6565	1476	3.8	2.55	4.0	2.72	4	4	2
556	21.9	8896	2000	7228	1625	4.2	2.80	4.4	2.99	4	4	2
606	23.9	9696	2180	7878	1771	4.5	3.05	4.8	3.26	5	5	3
657	25.9	10512	2363	8541	1920	4.9	3.31	5.3	3.53	5	5	3
707	27.8	11312	2543	9191	2066	5.3	3.56	5.7	3.80	5	5	3
758	29.8	12128	2726	9854	2215	5.7	3.82	6.1	4.08	6	6	3
Additional standard belt widths are available in steps of 50.3 mm (1.98 in) Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in.)												
1970	77.6	31520	7086	25610	5757	14.8	9.93	15.8	10.59	14	14	7
Additional standard belt widths are available in steps of 50.3 mm (1.98 in) Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in.)												
2979	117,3	47664	10715	38727	8706	22,3	15,02	23,8	16,02	20	20	10

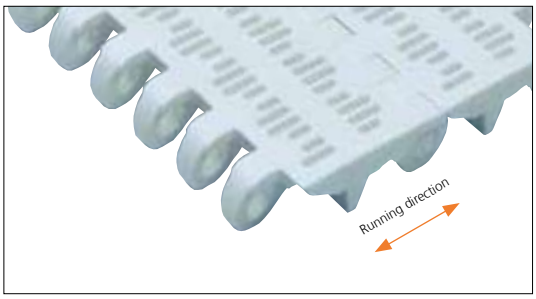
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: PP with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in)
= Single Link

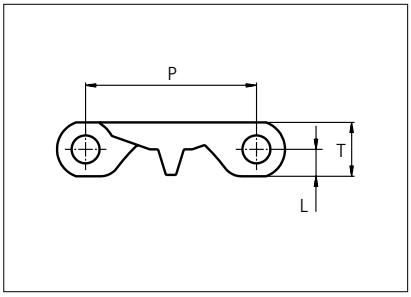
STANDARD
STRAIGHT RUNNING
PITCH 50.8 MM/2.00 IN

EN

Plastic Modular Belt

Series **uni MPB** Type **18%**





Straight running belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Flat
Surface opening: 18%
Backflex radius: 65.0 mm (2.6 in)
Pin diameter: 8 mm (0.31 in)

Belt material & color	POM-DI W	PP W B	PE-I N	PP-HW LB
Pin material & color	PP W		PE W	PP-HW LB

	mm	in		mm	in
P (Nominal)	50.8	2.00	**T**	16.0	0.63
L	8.0	0.31	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PA6.6 N PP W PE W PBT LG SS304 Lockpin: PA6.6 B PBT LG Trilock: PA6.6 N

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-DI/PP		PP/PP PP-HW/PP-HW		PE-I/PE		POM-DI/PP		PP/PP PP-HW/PP-HW		PE-I/PE			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
68	2.7	1870	420	1088	245	884	199	0.8	0.51	0.5	0.34	0.5	0.37	2	2	2
84	3.3	2307	519	1342	302	1091	245	0.9	0.63	0.6	0.42	0.7	0.45	2	2	2
151	5.9	4153	933	2416	543	1963	441	1.7	1.13	1.1	0.76	1.2	0.81	2	2	2
185	7.3	5075	1141	2953	664	2399	539	2.0	1.38	1.4	0.93	1.5	0.99	2	2	2
202	8.0	5555	1249	3232	727	2626	590	2.2	1.51	1.5	1.02	1.6	1.09	2	2	2
252	9.9	6930	1558	4032	906	3276	736	2.8	1.88	1.9	1.27	2.0	1.35	2	2	2
302	11.9	8305	1867	4832	1086	3926	883	3.4	2.25	2.3	1.52	2.4	1.62	3	3	2
353	13.9	9708	2182	5648	1270	4589	1032	3.9	2.63	2.6	1.78	2.8	1.90	3	3	2
403	15.9	11083	2491	6448	1450	5239	1178	4.5	3.01	3.0	2.03	3.2	2.17	3	3	2
453	17.8	12458	2800	7248	1629	5889	1324	5.0	3.38	3.4	2.28	3.6	2.44	4	4	2
504	19.8	13860	3116	8064	1813	6552	1473	5.6	3.76	3.8	2.54	4.0	2.71	4	4	2
554	21.8	15235	3425	8864	1993	7202	1619	6.1	4.13	4.2	2.79	4.4	2.98	4	4	2

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in).

1963	77.3	53983	12135	31408	7061	25519	5737	21.8	14.64	14.7	9.89	15.7	10.55	14	14	7

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in).

2970	116.9	81675	18361	47520	10682	38610	8680	33.0	22.16	22.3	14.97	23.8	15.97	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-DI with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf).
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).
= Single Link

STANDARD

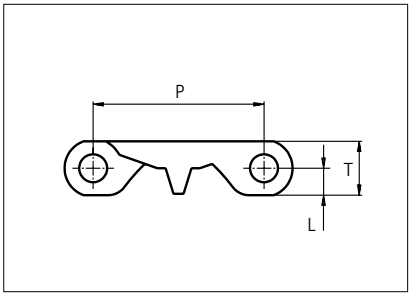
STRAIGHT RUNNING

PITCH 50.8 MM/2.00 IN

EN

Plastic Modular Belt

Series **uni MPB** Type **20%**



Straight running belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Flat
Surface opening: 20%
Backflex radius: 65.0 mm (2.6 in)
Pin diameter: 8 mm (0.31 in)

Belt material & color	PP **W**	PE-I **N**
Pin material & color	PP **W**	PE **W**

	mm	in		mm	in
P (Nominal)	50.8	2.00	**T**	16.0	0.63
L	8.0	0.31	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PA6.6 **N** PP **W** PE **W** PBT **LG** SS304 Lockpin: PA6.6 **B** PBT **LG** Trilock: PA6.6 **N**

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP/PP		PE-I/PE		PP/PP		PE-I/PE			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
68	2.7	1088	245	884	199	0.5	0.34	0.5	0.36	2	2	2
84	3.3	1341	302	1090	245	0.6	0.42	0.7	0.45	2	2	2
151	5.9	2416	543	1963	441	1.1	0.75	1.2	0.80	2	2	2
185	7.3	2953	664	2399	539	1.4	0.92	1.5	0.98	2	2	2
202	8.0	3232	727	2626	590	1.5	1.00	1.6	1.07	2	2	2
252	9.9	4032	906	3276	736	1.9	1.25	2.0	1.34	2	2	2
302	11.9	4832	1086	3926	883	2.2	1.50	2.4	1.60	3	3	2
353	13.9	5648	1270	4589	1032	2.6	1.76	2.8	1.87	3	3	2
403	15.9	6448	1450	5239	1178	3.0	2.00	3.2	2.14	3	3	2
453	17.8	7248	1629	5889	1324	3.4	2.25	3.6	2.41	4	4	2
504	19.8	8064	1813	6552	1473	3.7	2.51	4.0	2.68	4	4	2
554	21.8	8864	1993	7202	1619	4.1	2.76	4.4	2.94	4	4	2
604	23.8	9664	2172	7852	1765	4.5	3.00	4.8	3.21	5	5	3
Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in).												
1963	77.3	31408	7061	25519	5737	14.5	9.76	15.5	10.42	14	14	7
Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in).												
2970	116.9	47520	10682	38610	8680	22.0	14.77	23.5	15.77	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: PP with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf).
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).
= Single Link

STANDARD

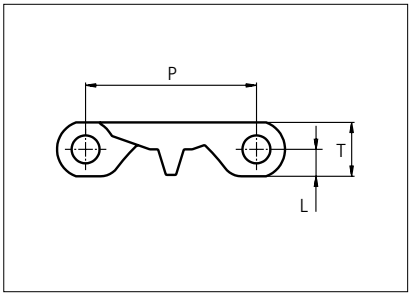
STRAIGHT RUNNING

PITCH 50.8 MM/2.00 IN

EN

Plastic Modular Belt

Series **uni MPB** Type **22%**



Straight running belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Flat
Surface opening: 22%
Backflex radius: 65.0 mm (2.6 in)
Pin diameter: 8 mm (0.31 in)

Belt material & color	PP **W**	PE-I **N** **B**
Pin material & color	PP **W**	PE **W**

	mm	in		mm	in
P (Nominal)	50.8	2.00	**T**	16.0	0.63
L	8.0	0.31	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PA6.6 **N** PP **W** PE **W** PBT **LG** SS304 Lockpin: PA6.6 **B** PBT **LG** Trilock: PA6.6 **N**

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP/PP		PE-I/PE		PP/PP		PE-I/PE				
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft		**Carry (pcs)	**Return (pcs)
84	3.3	1341	302	1090	245	0.6	0.41	0.6	0.43	2	2	2
151	5.9	2416	543	1963	441	1.1	0.73	1.1	0.77	2	2	2
185	7.3	2953	664	2399	539	1.3	0.89	1.4	0.94	2	2	2
202	8.0	3232	727	2626	590	1.5	0.98	1.5	1.03	2	2	2
252	9.9	4032	906	3276	736	1.8	1.22	1.9	1.29	2	2	2
302	11.9	4832	1086	3926	883	2.2	1.46	2.3	1.54	3	3	2
353	13.9	5648	1270	4589	1032	2.5	1.71	2.7	1.80	3	3	2
403	15.9	6448	1450	5239	1178	2.9	1.95	3.1	2.06	3	3	2
453	17.8	7248	1629	5889	1324	3.3	2.19	3.4	2.31	4	4	2
504	19.8	8064	1813	6552	1473	3.6	2.44	3.8	2.57	4	4	2
554	21.8	8864	1993	7202	1619	4.0	2.68	4.2	2.83	4	4	2
604	23.8	9664	2172	7852	1765	4.3	2.92	4.6	3.08	5	5	3
655	25.8	10480	2356	8515	1914	4.7	3.17	5.0	3.35	5	5	3

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in).

1963	77.3	31408	7061	25519	5737	14.1	9.50	14.9	10.03	14	14	7

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in).

2970	116.9	47520	10682	38610	8680	21.4	14.37	22.6	15.17	20	20	10

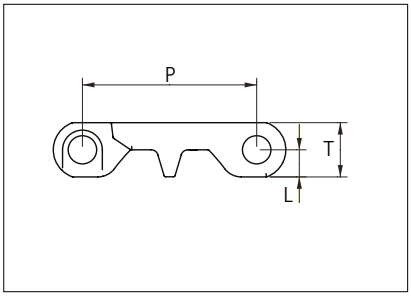
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: PP with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf)
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).
= Single Link

uni chains

EN

Plastic Modular Belt

Series **uni MPB** Type **25%**



Straight running belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Flat
Surface opening: 25%
Backflex radius: 65.0 mm (2.6 in)
Pin diameter: 8.0 mm (0.31 in)

Belt material & color	POM-DI **W**	PP **W**	PE-I **N**	PE-I **B**
Pin material & color	PP **W**		PE **W**	PE **B**

	mm	in		mm	in
P (Nominal)	50.8	2.00	**T**	16.0	0.63
L	8.0	0.31	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min No drive sprocket per haft	Number of wear strips (min no)	
		POM-DI/PP		PP/PP		PE-I/PE		POM-DI/PP		PP/PP		PE-I/PE			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	Kg/m	lb/ft	Kg/m	lb/ft	Kg/m	lb/ft			
152	6.0	4180	940	2432	547	1976	444	1.6	1.05	1.1	0.74	1.2	0.78	2	2	2
202	8.0	5555	1249	3232	727	2626	590	2.1	1.40	1.5	0.98	1.5	1.03	2	2	2
252	9.9	6930	1558	4032	906	3276	736	2.6	1.74	1.8	1.22	1.9	1.29	2	2	2
303	11.9	8333	1873	4848	1090	3939	885	3.1	2.10	2.2	1.47	2.3	1.55	3	3	2
353	13.9	9708	2182	5648	1270	4589	1032	3.6	2.44	2.5	1.71	2.7	1.80	3	3	2
403	15.9	11083	2491	6448	1450	5239	1178	4.2	2.79	2.9	1.95	3.1	2.06	3	3	2
454	17.9	12485	2807	7264	1633	5902	1327	4.7	3.14	3.3	2.20	3.5	2.32	4	4	2
504	19.8	13860	3116	8064	1813	6552	1473	5.2	3.49	3.6	2.44	3.8	2.57	4	4	2
554	21.8	15235	3425	8864	1993	7202	1619	5.7	3.83	4.0	2.68	4.2	2.83	4	4	2
605	23.8	16638	3740	9680	2176	7865	1768	6.2	4.19	4.4	2.93	4.6	3.09	5	5	3
655	25.8	18013	4049	10480	2356	8515	1914	6.7	4.53	4.7	3.17	5.0	3.35	5	5	3
705	27.8	19388	4358	11280	2536	9165	2060	7.3	4.88	5.1	3.41	5.4	3.60	5	5	3
756	29.8	20790	4674	12096	2719	9828	2209	7.8	5.23	5.4	3.66	5.7	3.86	6	6	3
806	31.7	22165	4983	12896	2899	10478	2355	8.3	5.58	5.8	3.90	6.1	4.12	6	6	3
856	33.7	23540	5292	13696	3079	11128	2502	8.8	5.93	6.2	4.14	6.5	4.37	6	6	3
907	35.7	24943	5607	14512	3262	11791	2651	9.3	6.28	6.5	4.39	6.9	4.63	7	7	4
957	37.7	26318	5916	15312	3442	12441	2797	9.9	6.62	6.9	4.63	7.3	4.89	7	7	4

Additional standard belt widths are available in steps of 50.3 mm (1.98 in). Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in).

1964	77.3	54010	12141	31424	7064	25532	5740	20.2	13.60	14.1	9.50	14.9	10.03	14	14	7

Additional standard belt widths are available in steps of 50.3. mm (1.98 in). Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in).

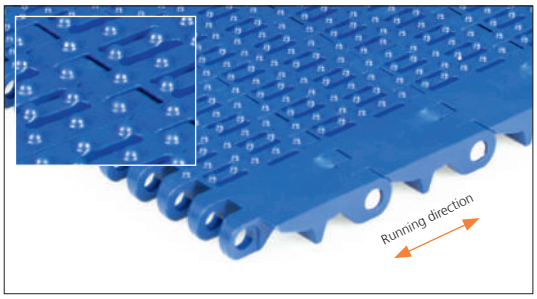
2971	117.0	81703	18367	47536	10686	38623	8682	30.6	20.57	21.4	14.38	22.6	15.17	20	20	10

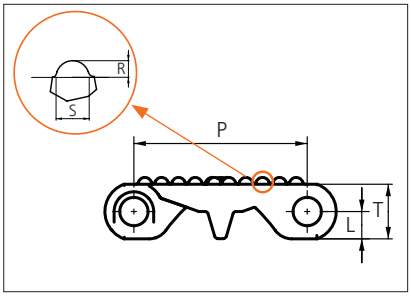
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-DI/PP/PE-I with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
= Single Link

EN

Plastic Modular Belt

Series **uni MPB** Type **20% Nub Top**





Straight running belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Nub Top
Surface opening: 20%
Backflex radius: 65.0 mm (2.6 in)
Pin diameter: 8.00 mm (0.31 in)
Standard Nub Top indent:
34.0 mm (1.34 in)

Belt material & color	POM DI **W** **B**	PP **W** **B**	PE-I **B** **N**
Pin material & color	PP **W**		PE **W**

	mm	in		mm	in		mm	in
P (Nominal)	50.8	2.00	**R**	2.0	0.08	**T**	16.0	0.63
L	8.0	0.31	**S**	4.0	0	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min No drive sprocket per haft	Number of wear strips (min no)	
		POM-DI/PP		PP/PP		PE-I/PE		POM-DI/PP		PP/PP		PE-I/PE			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	Kg/m	lb/ft	Kg/m	lb/ft	Kg/m	lb/ft			
152	6.0	4180	940	2432	547	1976	444	1.8	1.22	1.3	0.85	1.3	0.90	2	2	2
202	8.0	5555	1249	3232	727	2626	590	2.4	1.62	1.7	1.13	1.8	1.19	2	2	2
252	9.9	6930	1558	4032	906	3276	736	3.0	2.02	2.1	1.41	2.2	1.49	2	2	2
303	11.9	8333	1873	4848	1090	3939	885	3.6	2.42	2.5	1.69	2.7	1.79	3	3	2
353	13.9	9708	2182	5648	1270	4589	1032	4.2	2.82	2.9	1.97	3.1	2.09	3	3	2
403	15.9	11083	2491	6448	1450	5239	1178	4.8	3.22	3.3	2.25	3.5	2.38	3	3	2
454	17.9	12485	2807	7264	1633	5902	1327	5.4	3.63	3.8	2.53	4.0	2.68	4	4	2
504	19.8	13860	3116	8064	1813	6552	1473	6.0	4.03	4.2	2.81	4.4	2.98	4	4	2
554	21.8	15235	3425	8864	1993	7202	1619	6.6	4.43	4.6	3.09	4.9	3.28	4	4	2
605	23.8	16638	3740	9680	2176	7865	1768	7.2	4.84	5.0	3.37	5.3	3.58	5	5	3
655	25.8	18013	4049	10480	2356	8515	1914	7.8	5.24	5.4	3.65	5.8	3.87	5	5	3
705	27.8	19388	4358	11280	2536	9165	2060	8.4	5.64	5.9	3.93	6.2	4.17	5	5	3
756	29.8	20790	4674	12096	2719	9828	2209	9.0	6.05	6.3	4.22	6.7	4.47	6	6	3
806	31.7	22165	4983	12896	2899	10478	2355	9.6	6.45	6.7	4.50	7.1	4.77	6	6	3
857	33.7	23568	5298	13712	3082	11141	2504	10.2	6.85	7.1	4.78	7.5	5.07	6	6	3
907	35.7	24943	5607	14512	3262	11791	2651	10.8	7.25	7.5	5.06	8.0	5.36	7	7	4
957	37.7	26318	5916	15312	3442	12441	2797	11.4	7.65	7.9	5.34	8.4	5.66	7	7	4

Additional standard belt widths are available in steps of 16.8 mm (0.66 in).

1964	77.3	54010	12141	31424	7064	25532	5740	23.4	15.71	16.3	10.96	17.3	11.62	14	14	7

Additional standard belt widths are available in steps of 16.8 mm (0.66 in).

2518	99.1	69245	15566	40288	9057	32734	7359	30.0	20.14	20.9	14.05	22.2	14.89	17	17	9

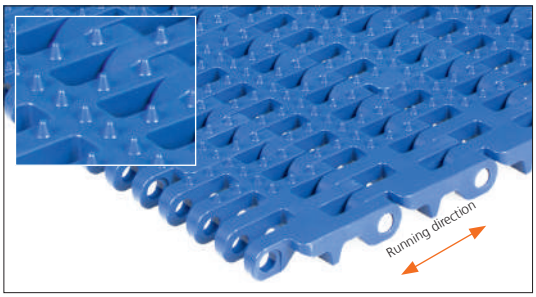
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request
*Max. Load per Drive Sprocket with snub roller. Belt material: POM-DI 2000 N (450 lbf), PP 1000 N (225 lbf), PE-I 1000 N (225 lbf)
*Max. Load per Drive Sprocket without snub roller. Belt material: POM-DI 1250 N (281 lbf), PP 675 N (151 lbf), PE-I 675 N (151 lbf)
**Max. Spacing between wear strips, Carry: 150.0 mm (6.00 in); Return: 300.0 mm (12.00 in).
= Single Link: no indent.

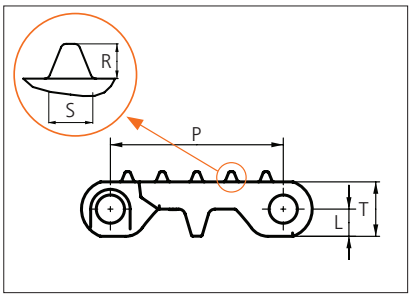
STANDARD
STRAIGHT RUNNING
PITCH 50.8 MM/2.00 IN

EN

Plastic Modular Belt

Series **uni MPB** Type **25% Cone Top**





Straight running belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Cone Top
Surface opening: 25%
Backflex radius: 65.0 mm (2.6 in)
Pin diameter: 8.0 mm (0.31 in)
Standard Cone Top indent:
34.0 mm (1.34 in)

Belt material & color	POM DI **W** **B**	PP **W** **B**	PE **B** **N**
Pin material & color	PP **W**		PE **W**

	mm	in		mm	in		mm	in
P (Nominal)	50.8	2.00	**R**	3.0	0.12	**T**	16.0	0.63
L	8.0	0.31	**S**	3.8	0.15	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min No drive sprocket per haft	Number of wear strips (min no)	
		POM-DI/PP		PP/PP		PE-I/PE		POM-DI/PP		PP/PP		PE-I/PE			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	Kg/m	lb/ft	Kg/m	lb/ft	Kg/m	lb/ft			
152	6.0	4180	940	2432	547	1976	444	1.8	1.22	1.3	0.85	1.3	0.90	2	2	2
202	8.0	5555	1249	3232	727	2626	590	2.4	1.62	1.7	1.13	1.8	1.19	2	2	2
252	9.9	6930	1558	4032	906	3276	736	3.0	2.02	2.1	1.41	2.2	1.49	2	2	2
303	11.9	8333	1873	4848	1090	3939	885	3.6	2.42	2.5	1.69	2.7	1.79	3	3	2
353	13.9	9708	2182	5648	1270	4589	1032	4.2	2.82	2.9	1.97	3.1	2.09	3	3	2
403	15.9	11083	2491	6448	1450	5239	1178	4.8	3.22	3.3	2.25	3.5	2.38	3	3	2
454	17.9	12485	2807	7264	1633	5902	1327	5.4	3.63	3.8	2.53	4.0	2.68	4	4	2
504	19.8	13860	3116	8064	1813	6552	1473	6.0	4.03	4.2	2.81	4.4	2.98	4	4	2
554	21.8	15235	3425	8864	1993	7202	1619	6.6	4.43	4.6	3.09	4.9	3.28	4	4	2
605	23.8	16638	3740	9680	2176	7865	1768	7.2	4.84	5.0	3.37	5.3	3.58	5	5	3
655	25.8	18013	4049	10480	2356	8515	1914	7.8	5.24	5.4	3.65	5.8	3.87	5	5	3
705	27.8	19388	4358	11280	2536	9165	2060	8.4	5.64	5.9	3.93	6.2	4.17	5	5	3
756	29.8	20790	4674	12096	2719	9828	2209	9.0	6.05	6.3	4.22	6.7	4.47	6	6	3
806	31.7	22165	4983	12896	2899	10478	2355	9.6	6.45	6.7	4.50	7.1	4.77	6	6	3
857	33.7	23568	5298	13712	3082	11141	2504	10.2	6.85	7.1	4.78	7.5	5.07	6	6	3
907	35.7	24943	5607	14512	3262	11791	2651	10.8	7.25	7.5	5.06	8.0	5.36	7	7	4
957	37.7	26318	5916	15312	3442	12441	2797	11.4	7.65	7.9	5.34	8.4	5.66	7	7	4
1008	39.7	27720	6231	16128	3626	13104	2946	12.0	8.06	8.4	5.62	8.9	5.96	7	7	4

Additional standard belt widths are available in steps of 16.8 mm (0.66 in).

1964	77.3	54010	12141	31424	7064	25532	5740	23.4	15.71	16.3	10.96	17.3	11.62	14	14	7

Additional standard belt widths are available in steps of 16.8 mm (0.66 in).

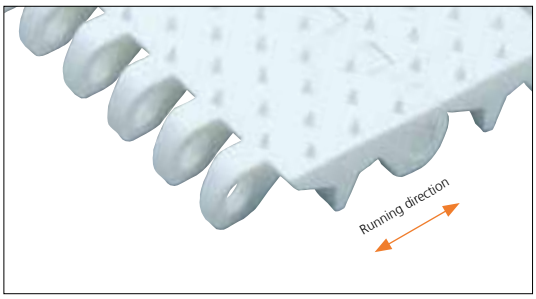
2518	99.1	69245	15566	40288	9057	32734	7359	30.0	20.14	20.9	14.05	22.2	14.89	17	17	9

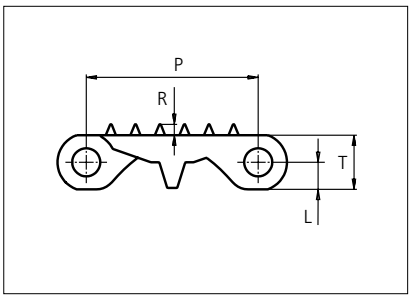
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket with snub roller. Belt material: POM-DI 2000 N (450 lbf), PP 1000 N (225 lbf), PE-I 1000 N (225 lbf)
*Max. Load per Drive Sprocket without snub roller. Belt material: POM-DI 1250 N (281 lbf), PP 675 N (151 lbf), PE-I 675 N (151 lbf)
**Max. Spacing between wear strips, Carry: 150.0 mm (6.00); Return: 300.0 mm (12.00 in).
= Single Link: no indent.

EN

Plastic Modular Belt

Series **uni MPB** Type **G**





Straight running belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Grip
Surface opening: Closed
Backflex radius: 65.0 mm (2.6 in)
Pin diameter: 8.0 mm (0.31 in)

Belt material & color	POM-DI W
Pin material & color	PP W

	mm	in		mm	in
P (Nominal)	50.8	2.00	**R**	3.2	0.13
L	8.0	0.31	**T**	16.0	0.63

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PA6.6 N PP W PE W PBT LG SS304 Lockpin: PA6.6 B PBT LG Trilock: PA6.6 N

uni MPB G is available with a molded indent of 35.0 mm (1.38 in) in both sides.

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-DI/PP		POM-DI/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
151	5.9	4153	933	1.8	1.21	2	2	2
202	8.0	5555	1249	2.4	1.62	2	2	2
252	9.9	6930	1558	3.0	2.02	2	2	2
302	11.9	8305	1867	3.6	2.42	3	3	2
353	13.9	9708	2182	4.2	2.82	3	3	2
403	15.9	11083	2491	4.8	3.22	3	3	2
453	17.8	12458	2800	5.4	3.62	4	4	2
504	19.8	13860	3116	6.0	4.03	4	4	2
554	21.8	15235	3425	6.6	4.43	4	4	2
604	23.8	16610	3734	7.2	4.83	5	5	3
655	25.8	18013	4049	7.8	5.24	5	5	3
705	27.8	19388	4358	8.4	5.64	5	5	3
755	29.7	20763	4667	9.0	6.04	6	6	3
Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in).								
1963	77.3	53983	12135	23.4	15.70	14	14	7
Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in).								
2970	116.9	81675	18361	35.3	23.75	20	20	10

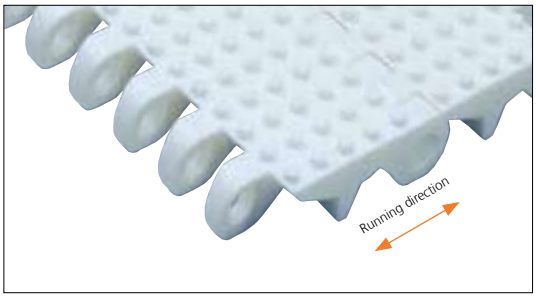
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-DI with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
= Single Link

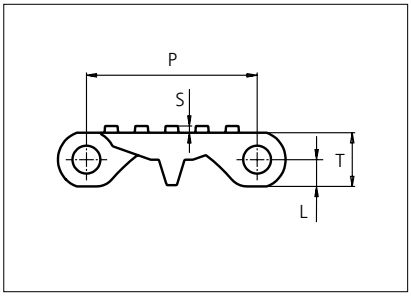
uni chains

EN

Plastic Modular Belt

Series **uni MPB** Type **N**





Straight running belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: No Cling
Surface opening: Closed
Backflex radius: 65.0 mm (2.6 in)
Pin diameter: 8.0 mm (0.31 in)

Belt material & color	PE-I N
Pin material & color	PE W

	mm	in		mm	in
P (Nominal)	50.8	2.00	**S**	2.0	0.08
L	8.0	0.31	**T**	16.0	0.63

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PA6.6 N PP W PE W PBT LG SS304 Lockpin: PA6.6 B PBT LG Trilock: PA6.6 N

uni MPB N is available with a molded indent of 35.0 mm (1.38 in) in both sides.

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PE-I/PE		PE-I/PE				
mm	in	N	lbf	kg/m	lb/ft		**Carry (pcs)	**Return (pcs)
151	5.9	1963	441	1.3	0.89	2	2	2
202	8.0	2626	590	1.8	1.19	2	2	2
252	9.9	3276	736	2.2	1.49	2	2	2
302	11.9	3926	883	2.7	1.79	3	3	2
353	13.9	4589	1032	3.1	2.09	3	3	2
403	15.9	5239	1178	3.5	2.38	3	3	2
453	17.8	5889	1324	4.0	2.68	4	4	2
504	19.8	6552	1473	4.4	2.98	4	4	2
554	21.8	7202	1619	4.9	3.28	4	4	2
604	23.8	7852	1765	5.3	3.57	5	5	3
655	25.8	8515	1914	5.8	3.87	5	5	3
705	27.8	9165	2060	6.2	4.17	5	5	3
755	29.7	9815	2206	6.6	4.47	6	6	3

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in).

1963	77.3	25519	5737	17.3	11.61	14	14	7

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in).

2970	116.9	38610	8680	26.1	17.56	20	20	10

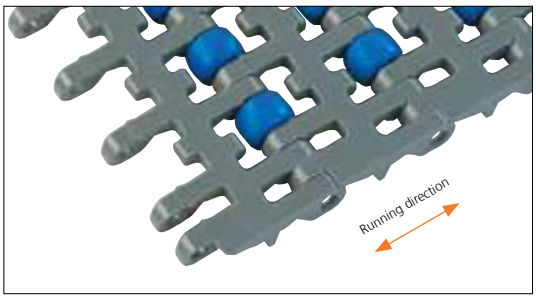
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-DI with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
= Single Link

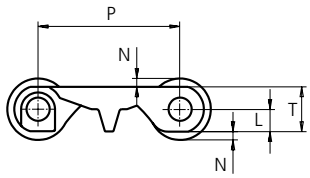
STANDARD
STRAIGHT RUNNING
PITCH 50.8 MM/2.00 IN

EN

Plastic Modular Belt

Series **uni MPB** Type **RO**





Straight running belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Roller Top
Surface opening: 22%
Backflex radius: 65.0 mm (2.6 in)
Pin diameter: 8.0 mm (0.31 in)

Recommended belt material & color	POM-DI G
Recommended pin material & color	PP W

	mm	in		mm	in
P (Nominal)	50.8	2.00	**L**	8.0	0.31
N	3.0	0.12	**T**	16.0	0.63

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PA6.6 N PP W PE W PBT LG SS304 Lockpin: PA6.6 B PBT LG Trilock: PA6.6 N

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-DI/PP		POM-DI/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
151	5.9	1661	373	1.7	1.15	2	2	2
185	7.3	2030	456	2.1	1.40	2	2	2
202	8.0	2222	500	2.3	1.53	2	2	2
252	9.9	2772	623	2.8	1.91	2	2	2
302	11.9	3322	747	3.4	2.29	3	3	2
353	13.9	3883	873	4.0	2.68	3	3	2
403	15.9	4433	997	4.6	3.06	3	3	2
453	17.8	4983	1120	5.1	3.44	4	4	2
504	19.8	5544	1246	5.7	3.83	4	4	2
554	21.8	6094	1370	6.3	4.21	4	4	2
604	23.8	6644	1494	6.8	4.59	5	5	3
655	25.8	7205	1620	7.4	4.97	5	5	3
705	27.8	7755	1743	8.0	5.35	5	5	3

Additional standard belt widths are available in steps of 50.3 mm (1.98 in). Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in).

1963	77.3	21593	4854	22.2	14.91	14	14	7

Additional standard belt widths are available in steps of 50.3 mm (1.98 in). Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in).

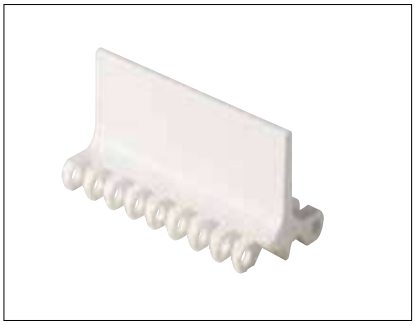
2970	116.9	32670	7344	33.6	22.55	20	20	10

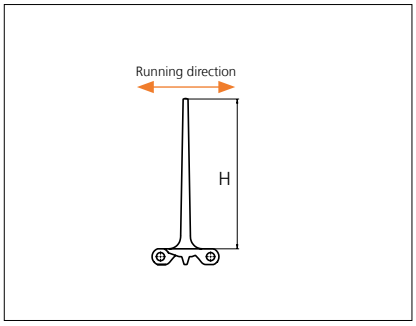
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: PP with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
= Single Link

EN

Plastic Modular Belt

Accessories **uni MPB** Type **Flights**





Type	Material & color	H		Link size	Width		Indent both sides	
		mm	in		mm	in	mm	in
Flat	PE-I N	5.0	0.20	K600	151.0	5.94	3.0	0.12
	PP-I W PE-I N	10.0	0.39					
	POM-D W B PP-I W B PE-I N B	25.4	1.00				0.0	0.0
		50.8	2.00					
		76.2	3.00					
		101.6	4.00					
		101.6	4.00				34.0*	1.34
		152.4	6.00				0.0	0.00

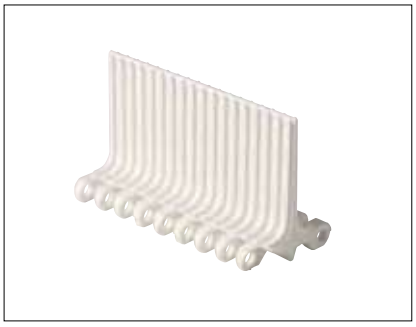
*Indent only in one side.

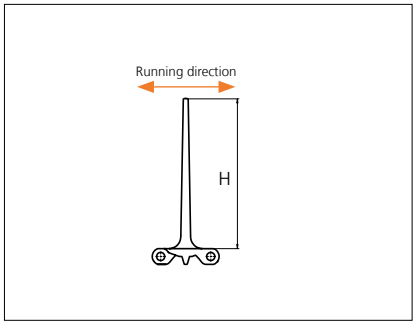
Depending on height and spacing the use of product supports may influence the backflex radius.

STANDARD

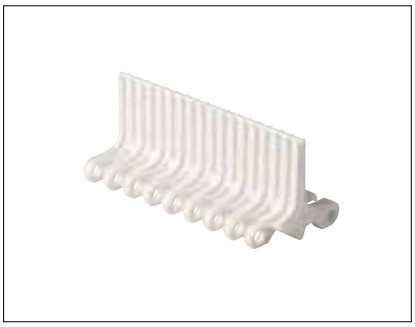
STRAIGHT RUNNING

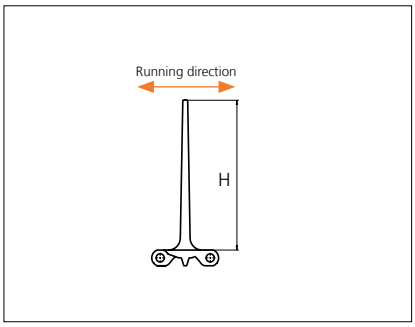
PITCH 50.8 MM/2.00 IN



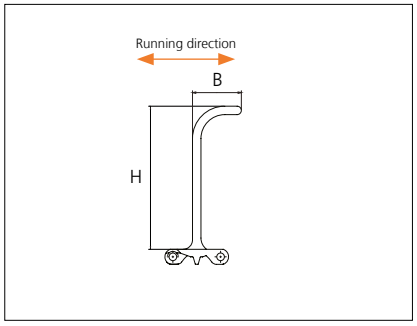


Type	Material & color	H		Link size	Width		Indent both sides	
		mm	in		mm	in	mm	in
Non Stick	PP-I W B PE-I B N	76.2	3.00	K600	151.0	5.94	0.0	0.00
		101.6	4.00					

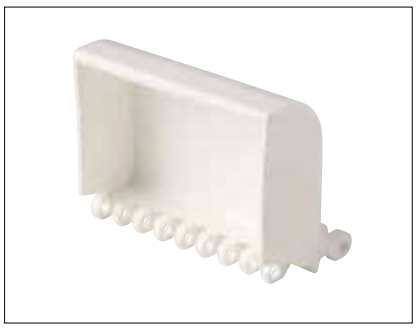


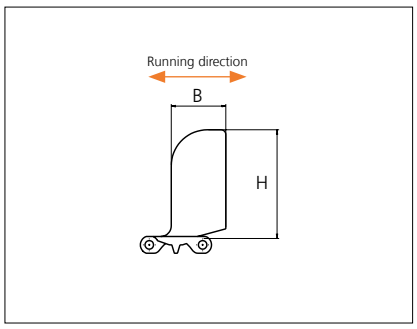


Type	Material & color	H		Link size	Width		Indent both sides	
		mm	in		mm	in	mm	in
10% Non Stick	PP-I W B PE-I B N	50.8	2.00	K600	151.0	5.94	0.0	0.00
		76.2	3.00					
		101.6	4.00					

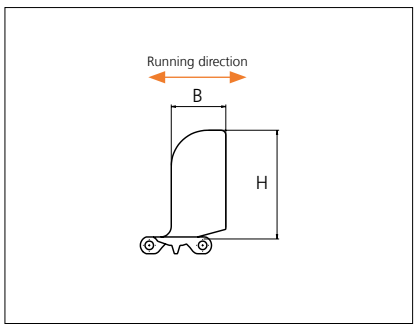


Type	Material & color	H		B		Link size	Width		Indent both sides	
		mm	in	mm	in		mm	in	mm	in
Bent	PP-I W B	76.2	3.00	52.0	2.05	K600	151.0	5.94	0.0	0.00
	PP-I W B PE N	101.6	4.00							
	PP-I W B	152.4	6.00							

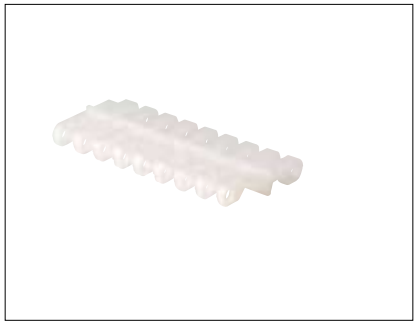


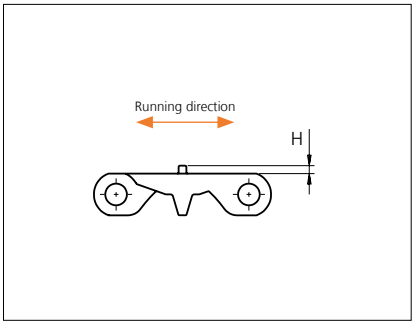


Type	Material & color	H		B		Link size	Width		Indent both sides	
		mm	in	mm	in		mm	in	mm	in
Cupped	PP-I W	76.2	3.00	52.0	2.05	K600	151.0	5.94	0.0	0.00
		101.6	4.00							
		152.4	6.00							

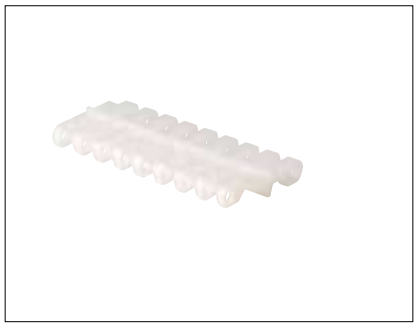


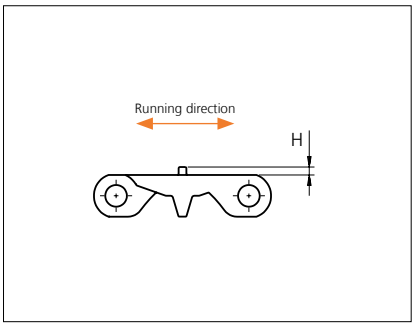
Type	Material & color	H		B		Link size	Width		Indent both sides	
		mm	in	mm	in		mm	in	mm	in
Cupped drain	PP-I W	76.2	3.00	52.0	2.05	K600	151.0	5.94	0.0	0.00
		101.6	4.00							
		152.4	6.00							





Type	Material & color	H		Link size	Width		Indent both sides	
		mm	in		mm	in	mm	in
Flat 20%	PE-I N	5.0	0.20	K600	151.0	5.94	3.0	0.12

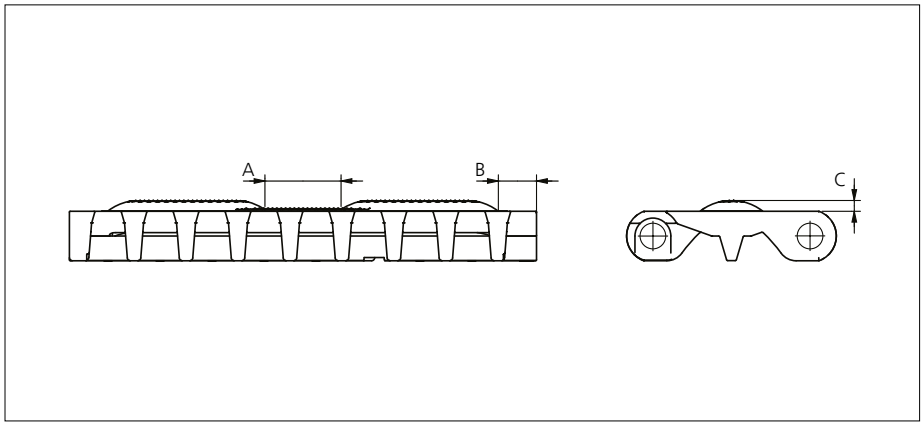




Type	Material & color	H		Link size	Width		Indent both sides	
		mm	in		mm	in	mm	in
Flat 22%	PE-I N	3.0	0.12	K600	151.0	5.94	3.0	0.12

Accessories

Rubber Top

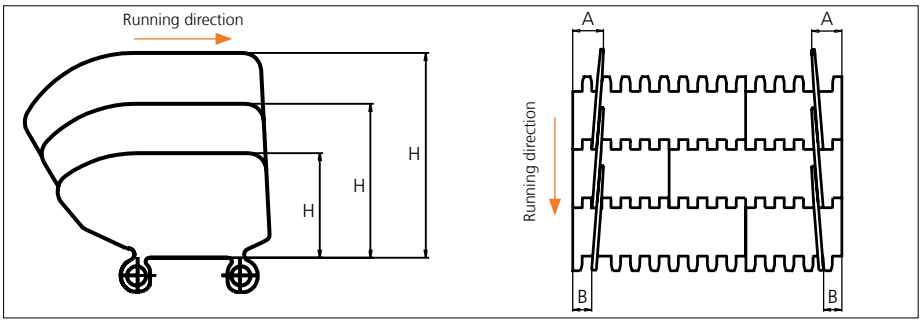


Type	Belt Material & color	Rubber Material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Curved Rough	POM-DI W	01 N	24.0	0.94	10.0	0.39	3.5	0.14	K600	151.0	5.94

Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard

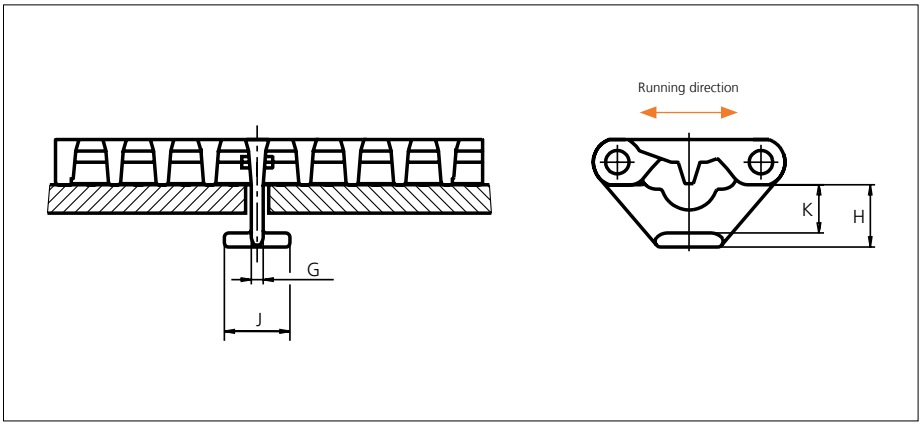


Type	Side Guard Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	PE-I B N PP-I W B	50.8	2.00	32.0	1.26	16.0	0.63
		76.2	3.00				
		101.6	4.00				

*34.0 mm (1.34 in) combined with flight. Increment: 8.4 mm (0.33 in).
Note: Backflex radius when Side Guard are used: 200.0 mm (7.90 in)

Accessories

Tab



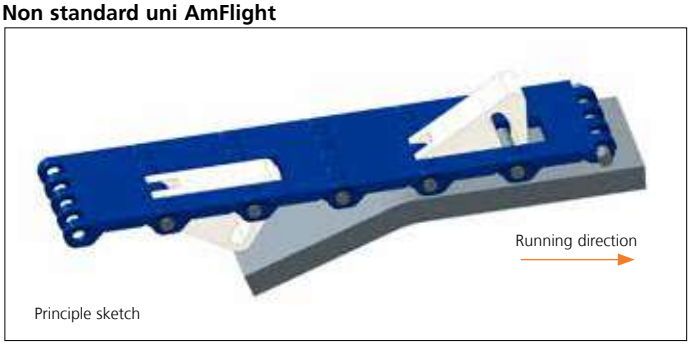
Type	Tab Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-DI **W**	4.2	0.17	23.2	0.91	17.0	0.67	22.0	0.87

Note: When using taps, please verify sufficient clearance to the shaft. Max. shaft diameter = Sprocket pitch diameter - 63.5 mm (2.50 in). When using square shafts, please verify that the diagonal does not exceed max. diameter. Example: Sprocket z = 6: Max. shaft diameter 101.6 - 63.5 = ø38.1 mm (4.00 - 2.50 = ø1.4 in).
Note: When using a belt system with tabs, the temperature should be constant. Please note that the tabs are not always placed in the middle of the belt.

Non Standard material and color: See uni Material and Color Overview.

Accessories

Non standard uni AmFlight

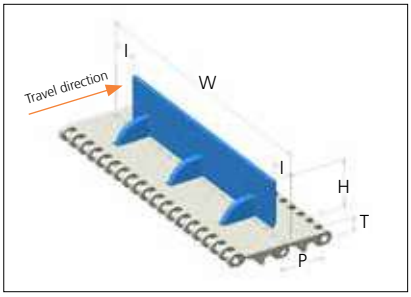


Other non standard option: See uni Amflight Overview.

EN

Plastic Modular Belt

uni MPB Pop-up flight



Straight running elevator belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Flat
Surface opening: Closed
Backflex radius: 100.0 mm (3.90 in) min
Pin diameter: 8.0 mm (0.31 in)

Belt material & color	PP W B	PE-I N B
Pin material & color	PP W	PE W
Flight material & color	PP-I W B	PE-I W B

	mm	in		mm	in
H	54.8	2.16	**T**	16.0	0.63
I	34.0	1.34	**-**	-	-
P	50.8	2.00	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PA6.6 N PP W PE W PBT LG SS304 Lockpin: PA6.6 B PBT LG

Belt load capacity

Belt dimensions						Permissible tensile force (Belt/pin material)				Maximum product load per flight row	
Belt width (W)		Indents (I)*		Flight width (B)		PP/PP		PE-I/PE			
mm	in	mm	in	mm	in	N	lbf	N	lbf	Kg	Lbs
302	11.9	34	1.34	234	9.2	4832	1086	3926	883	12	27
353	13.9	34	1.34	285	11.2	5648	1270	4589	1032	14	31
403	15.9	34	1.34	335	13.2	6448	1450	5239	1178	16	36
453	17.8	34	1.34	385	15.2	7248	1629	5889	1324	18	40
504	19.8	34	1.34	436	19.2	8064	1813	6552	1473	20	44
554	21.8	34	1.34	486	19.1	8864	1993	7202	1619	22	49
604	23.8	34	1.34	536	21.1	9664	2173	7852	1765	24	53

General width tolerance is +0/-0.4% at 23°C/73°F. For other widths contact Customer Service.
*Standard indent 34.0 mm (1.34 in), other indents upon request.

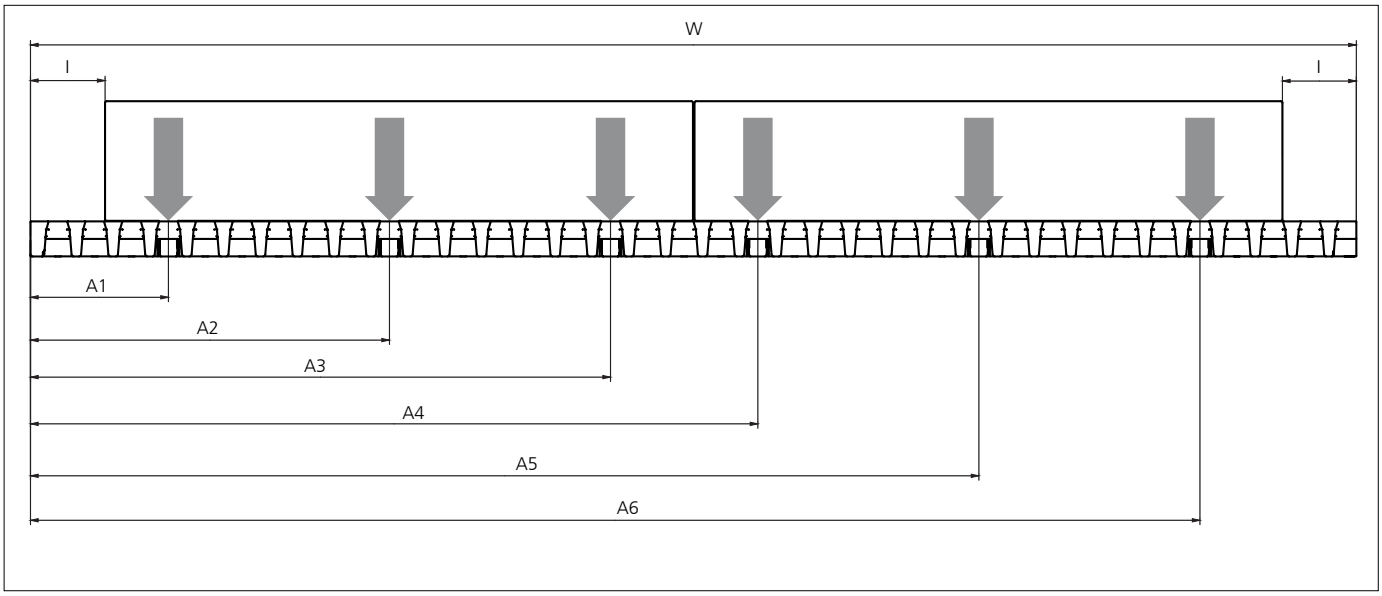
Belt dimensions		Base belt weight (Belt/pin material)				ADD weight per flight row				Construction information		
Belt width (W)		PP/PP		PE-I/PE		PP-I/PP		PE-I/PE		Min. no drive sprockets*	No flight cams/ activation wearstrips	Min number of support wearstrips
mm	in	Kg/m	lb/ft	Kg/m	lb/ft	Kg/m	lb/ft	Kg/m	lb/ft	Pieces	Pieces	Pieces
302	11.9	2.5	1.7	2.7	1.8	0.08	0.17	0.08	0.18	2	3	2
353	13.9	2.9	2.0	3.1	2.1	0.10	0.22	0.10	0.23	2	4	2
403	15.9	3.3	2.2	3.5	2.4	0.12	0.26	0.13	0.28	2	4	2
453	17.8	3.8	2.5	4.0	2.7	0.13	0.28	0.14	0.30	3	5	2
504	19.8	4.2	2.8	4.4	3.0	0.14	0.31	0.15	0.33	3	5	2
554	21.8	4.6	3.1	4.9	3.3	0.16	0.35	0.17	0.38	4	6	2
604	23.8	5.0	3.4	5.3	3.6	0.17	0.38	0.18	0.40	4	6	2

*Max. Load per Drive Sprocket. Belt material: POM-DI with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf)

Placing of activation wearstrips

Belt dimensions						Activation wearstrips Distance from belt left hand edge											
Belt width (W)		Indents* (I)		Flight width (B)		A1		A2		A3		A4		A5		A6	
mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
302	11.9	34	1.34	234	9.2	46	1.81	147	5.79	248	9.76	-	-	-	-	-	-
353	13.9	34	1.34	285	11.2	63	2.48	164	6.46	197	7.76	298	11.73	-	-	-	-
403	15.9	34	1.34	335	13.2	63	2.48	164	6.46	231	9.09	332	13.07	-	-	-	-
453	17.8	34	1.34	385	15.2	46	1.81	147	5.79	248	9.76	298	11.73	399	15.71	-	-
504	19.8	34	1.34	436	19.2	63	2.48	164	6.46	265	10.43	332	13.07	433	17.05	-	-
554	21.8	34	1.34	486	19.1	63	2.48	164	6.46	265	10.43	298	11.73	399	15.71	500	19.67
604	23.8	34	1.34	536	21.1	63	2.48	164	6.46	265	10.43	332	13.07	433	17.05	533	20.98

*Standard indent 34.0 mm (1.34 in), other indents upon request.



= Placing of activation wearstrip

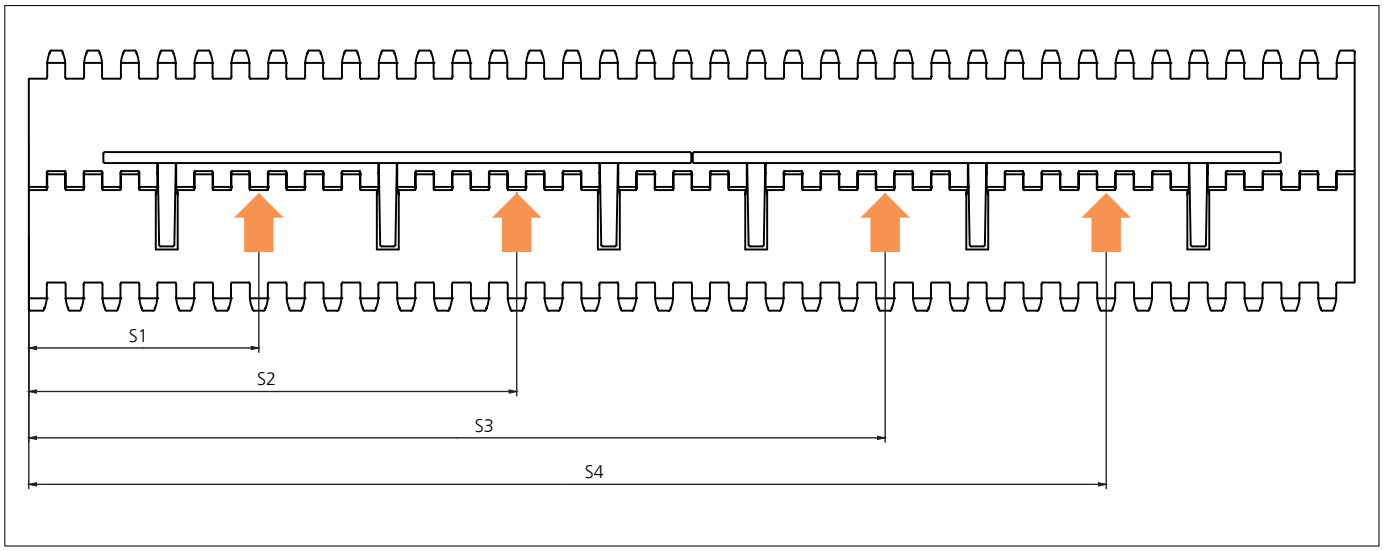
Dimensions for Pop-up flight system are from left hand edge of belt, looking down from top of belt with travel direction moving away from viewing point.

Placing of sprockets

Belt dimensions						Min. No drive sprockets**	Sprocket Position Distance from belt left hand edge							
Belt width (W)		Indents* (I)		Flight width (B)			S1		S2		S3		S4	
mm	in	mm	in	mm	in		mm	in	mm	in	mm	in	mm	in
302	11.9	34	1.34	234	9.2	2	88	3.46	206	8.11	-	-	-	-
353	13.9	34	1.34	285	11.2	2	105	4.13	256	10.08	-	-	-	-
403	15.9	34	1.34	335	13.2	2	105	4.13	290	11.42	-	-	-	-
453	17.8	34	1.34	385	15.2	3	88	3.46	206	8.11	357	14.06	-	-
504	19.8	34	1.34	436	19.2	3	105	4.13	223	8.78	391	15.39	-	-
554	21.8	34	1.34	486	19.1	4	105	4.13	223	8.78	357	14.06	457	18.00
604	23.8	34	1.34	536	21.1	4	105	4.13	223	8.78	374	14.72	491	19.33

*Standard indent 34.0 mm (1.34 in), other indents upon request.

**Max. Load per Drive Sprocket. Belt material: POM-DI with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf)



= Placing of sprockets

Ensure sprockets cannot contact the Pop-up flight activation cams. These cams hinge below the belt surface when unsupported by wear-strips. If needed use extra retaining rings each side of floating sprockets to ensure they cannot contact the activation cams but can still float sideways.

Sprocket

No of teeth	Bore size										Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Single row/One way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
		mm	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in	mm	in				
Z06	✓		●	●	●	■	●■				99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	✓		✓	
Z08	✓		●	●	●	■	●■ [1]				132.9	5.23	132.8	5.23	70.0	2.75	53.3	2.10	74.9	2.94	✓	[1]✓	✓	
Z10	✓			[1]●	[1]●	[1]●■	[1]●■	[2]■	[2]■		166.3	6.55	164.4	6.47	[1]70.0 [2]120.0	2.75 4.72	70.2	2.76	90.7	3.57	✓	✓	✓	
Z12	✓			[1]●	[1]●	[1]●■	[1]●■	[2] [3]■	[2]■	[3]■	198.6	7.82	196.3	7.73	[1]70.0 [2]120.0 [3]164.0	2.75 4.72 6.45	86.8 86.8	3.42 3.42	106.6 106.6	4.19 4.19	[1+2]✓	[2+3]✓	✓	
Z16	✓			[2]● [1]■	[2]● [1]■	[2]●■ [1]■	[2]●■ [1]■	[3]■ [1]■	[2]■ [1]■	[3]■	263.8	10.39	260.4	10.25	[1]150.0 [2]164.0 [3]200.0	5.90 6.45 7.87	119.7	4.71	138.7	5.46	[1]✓	[2+3]✓	✓	✓

● Molded sprocket

■ Molded sprocket

■ Machined sprocket

Other sprocket sizes are available upon request.
Other bore sizes on sprockets are available upon request.
Round bores are always delivered with keyway.
Max. load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

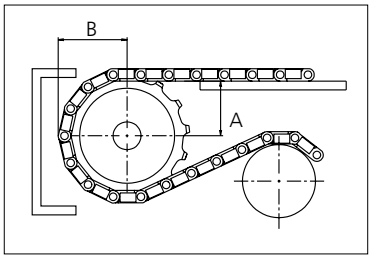
Width of tooth = Single row: 9.5 mm (0.37 in)
= Double row: 17.8 mm (0.70 in)

Width of One-part sprocket = Single row: 42.3 mm (1.66 in)
= Double row: 42.3 mm (1.66 in)
= [3]Double row: 50.0 mm (1.96 in)

uni UltraClean Two-Part Sprocket

No. of teeth	Bore size				Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Single row/One way	Moulded PA6 W
	in	1.50	1.57	2.36												
	mm	38.1	40.0	60.0	mm	in	mm	in	mm	in	mm	in	mm	in		
Z8		■	■		132.9	5.23	132.8	5.23	80.0	3.15	53.3	2.10	74.9	2.94	✓	✓
Z10		[1]■	[1]■	[2]■	166.3	6.55	164.4	6.47	[1]126.0 [2]118.0	[1]4.96 [2]4.65	70.2	2.76	90.7	3.57	✓	✓
Z12		[1]■	[1]■	[2]■	198.6	7.82	196.3	7.73	[1]126.0 [2]118.0	[1]4.96 [2]4.65	86.8	3.42	106.6	4.19	✓	✓

■ Moulded uni UltraClean TwoPart Sprocket



Width of UltraClean Two-part sprocket = Single row: 44.0 mm (1.73 in)
Width of UltraClean Two-part sprocket, tooth = Single row: 9.5 mm (0.37 in)

uni Retainer Rings: See uni Retainer Ring data sheet.
For correct sprocket position: See uni Assembly Instructions for uni MPB.
For more detailed sprocket information. contact Customer Service.

Paso de 50.8 mm (2.00 pulgadas)

uni CPB – una banda fuerte y resistente al desgaste

La banda de tramo recto y paso de 2 pulgadas uni CPB se creó para transportadores de cargas pesadas. Sustituye a las cadenas de charnela de acero y a otras tecnologías que se usaban para aplicaciones pesadas o de mucho desgaste.

Las bandas uni CPB (Superficie lisa y rugosa) han mejorado el funcionamiento en las siguientes industrias/aplicaciones:

- Automovilística, incluyendo bandas para transporte de personas, transportadores de coches y pruebas de estanqueidad
- Lavado de coches, incluyendo el lavado y acabado interior
- Manipulado de materiales, incluyendo manipulado de palés y otras aplicaciones pesadas
- Cárnica (cerdo y ternera), incluyendo líneas de enganche y transportadores de piel
- Panadería, incluyendo la manipulación de pilas de bandejas y las líneas de empaquetado
- Transporte de personas, incluyendo el transporte de esquiadores y en parques de atracciones

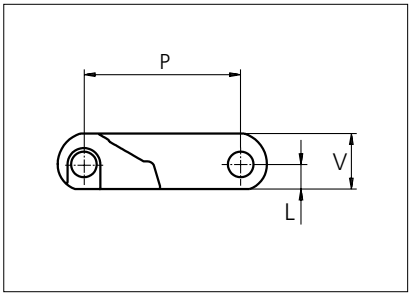
Características del producto y ventajas de funcionamiento:

- No necesita lubricación
- Mantenimiento fácil y menos tiempos muertos, gracias a su sistema único de cierre (lockpin)
- Bajo nivel de ruido
- Resistencia muy alta al desgaste y a los impactos
- Sistema de engranaje único, que permite transportadores largos con efecto pulsante reducido
- Superficie rugosa, reduce el riesgo de deslizamiento y permite movimientos seguros

EN

Plastic Modular Belt

Series **uni CPB** Type **C**



Straight running belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Flat
Surface opening: Closed
Backflex radius: 85.0 mm (3.30 in)
Pin diameter: 8.0 mm (0.31 in)

Belt material & color	POM-NL **K**	PP **G**
Pin material & color	PA6.6 **N**	

	mm	in		mm	in
P (Nominal)	50.8	2.00	**V**	19.0	0.75
L	8.0	0.31	**-**	-	-

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock systems and materials: Contact Customer Service.

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-NL / PA6.6		PP/PA6.6		POM-NL / PA6.6		PP/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
151	5.9	7852	1765	5285	1188	2.5	1.68	1.7	1.13	2	2	2
202	8.0	10504	2361	7070	1589	3.4	2.25	2.2	1.51	2	2	2
252	9.9	13104	2946	8820	1983	4.2	2.81	2.8	1.88	2	2	2
302	11.9	15704	3530	10570	2376	5.0	3.37	3.4	2.25	3	3	2
352	13.9	18304	4115	12320	2770	5.8	3.93	3.9	2.63	3	3	2
403	15.9	20956	4711	14105	3171	6.7	4.50	4.5	3.01	3	3	2
453	17.8	23556	5295	15855	3564	7.5	5.05	5.0	3.38	4	4	2
503	19.8	26156	5880	17605	3958	8.3	5.61	5.6	3.75	4	4	2
553	21.8	28756	6464	19355	4351	9.2	6.17	6.1	4.13	4	4	2
604	23.8	31408	7061	21140	4752	10.0	6.74	6.7	4.51	5	5	3
654	25.7	34008	7645	22890	5146	10.9	7.30	7.3	4.88	5	5	3
704	27.7	36608	8229	24640	5539	11.7	7.85	7.8	5.25	5	5	3
754	29.7	39208	8814	26390	5932	12.5	8.41	8.4	5.62	6	6	3
Additional standard belt widths are available in steps of 50.3 mm (1.98 in). Additional non-standard belt widths are available in steps of mm 16.8 (0.66 in).												
1961	77.2	101972	22923	68635	15429	32.6	21.88	21.8	14.63	14	14	7
Additional standard belt widths are available in steps of 50.3 mm (1.98 in). Additional non-standard belt widths are available in steps of mm 16.8 (0.66 in).												
2966	116.8	154232	34671	103810	23336	49.2	33.09	32.9	22.13	20	20	10

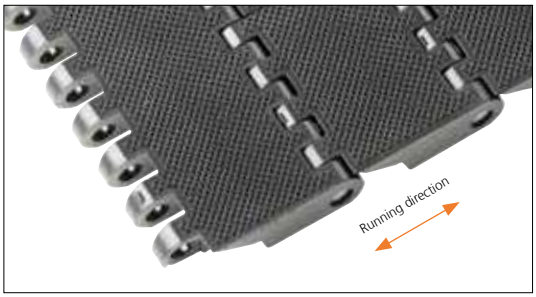
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-NL 2500 N (560 lbf). PP 2500 N (560 lbf).
**Max. Spacing between wear strips. Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
= Single Link

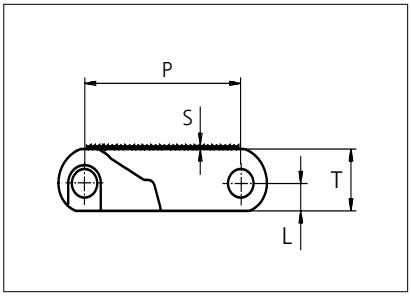
STANDARD
STRAIGHT RUNNING
PITCH 50.8 MM/2.00 IN

EN

Plastic Modular Belt

Series **uni CPB** Type **Rough**





Straight running belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Rough Top
Surface opening: Closed
Backflex radius: 85.0 mm (3.30 in)
Pin diameter: 8.0 mm (0.31 in)

Belt material & color	POM-NL **K**
Pin material & color	PA6.6 **N**

	mm	in		mm	in
P (Nominal)	50.8	2.00	**S**	1.0	0.04
L	8.0	0.31	**T**	18.0	0.71

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock systems and materials: Contact Customer Service.

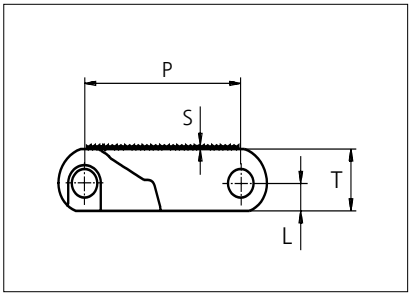
Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-NL / PA6.6		POM-NL / PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
151	5.9	7852	1765	2.5	1.68	2	2	2
202	8.0	10504	2361	3.4	2.25	2	2	2
252	9.9	13104	2946	4.2	2.81	2	2	2
302	11.9	15704	3530	5.0	3.37	3	3	2
352	13.9	18304	4115	5.8	3.93	3	3	2
403	15.9	20956	4711	6.7	4.50	3	3	2
453	17.8	23556	5295	7.5	5.05	4	4	2
503	19.8	26156	5880	8.3	5.61	4	4	2
553	21.8	28756	6464	9.2	6.17	4	4	2
604	23.8	31408	7061	10.0	6.74	5	5	3
654	25.7	34008	7645	10.9	7.30	5	5	3
704	27.7	36608	8229	11.7	7.85	5	5	3
754	29.7	39208	8814	12.5	8.41	6	6	3
Additional standard belt widths are available in steps of 50.3 mm (1.98 in). Additional non-standard belt widths are available in steps of mm 16.8 (0.66 in).								
1961	77.2	101972	22923	32.6	21.88	14	14	7
Additional standard belt widths are available in steps of 50.3 mm (1.98 in). Additional non-standard belt widths are available in steps of mm 16.8 (0.66 in).								
2966	116.8	154232	34671	49.2	33.09	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-NL 2500 N (560 lbf), PP 2500 N (560 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
□ = Single Link

EN

Plastic Modular Belt

Series **uni CPB** Type **20% Rough**



Straight running belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Rough Top
Surface opening: 20%
Backflex radius: 85.0 mm (3.30 in)
Pin diameter: 8.0 mm (0.31 in)

Belt material & color	POM-NL **K**
Pin material & color	PA6.6 **N**

	mm	in		mm	in
P (Nominal)	50.8	2.00	**S**	1.0	0.04
L	8.0	0.31	**T**	18.0	0.71

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock systems and materials: Contact Customer Service.

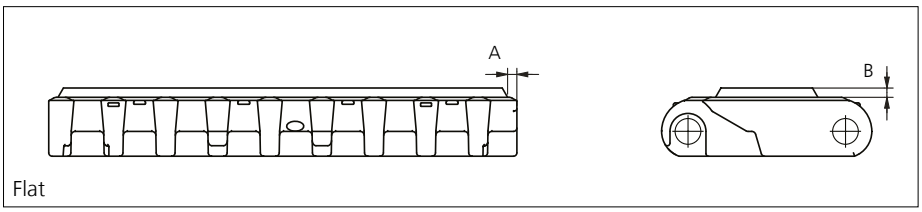
Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-NL / PA6.6		POM-NL / PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
151	5.9	7852	1765	2.5	1.68	2	2	2
202	8.0	10504	2361	3.4	2.25	2	2	2
252	9.9	13104	2946	4.2	2.81	2	2	2
302	11.9	15704	3530	5.0	3.37	3	3	2
352	13.9	18304	4115	5.8	3.93	3	3	2
403	15.9	20956	4711	6.7	4.50	3	3	2
453	17.8	23556	5295	7.5	5.05	4	4	2
503	19.8	26156	5880	8.3	5.61	4	4	2
553	21.8	28756	6464	9.2	6.17	4	4	2
604	23.8	31408	7061	10.0	6.74	5	5	3
654	25.7	34008	7645	10.9	7.30	5	5	3
704	27.7	36608	8229	11.7	7.85	5	5	3
754	29.7	39208	8814	12.5	8.41	6	6	3
Additional standard belt widths are available in steps of 50.3 mm (1.98 in). Additional non-standard belt widths are available in steps of mm 16.8 (0.66 in).								
1961	77.2	101972	22923	32.6	21.88	14	14	7
Additional standard belt widths are available in steps of 50.3 mm (1.98 in). Additional non-standard belt widths are available in steps of mm 16.8 (0.66 in).								
2966	116.8	154232	34671	49.2	33.09	20	20	10

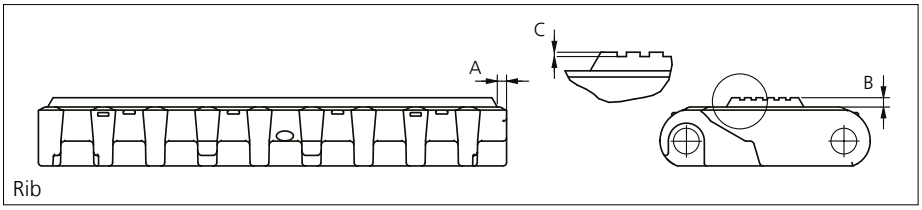
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-NL 2500 N (560 lbf). PP 2500 N (560 lbf).
**Max. Spacing between wear strips. Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
= Single Link

STANDARD
STRAIGHT RUNNING
PITCH 50.8 MM/2.00 IN

Accessories

Rubber Top



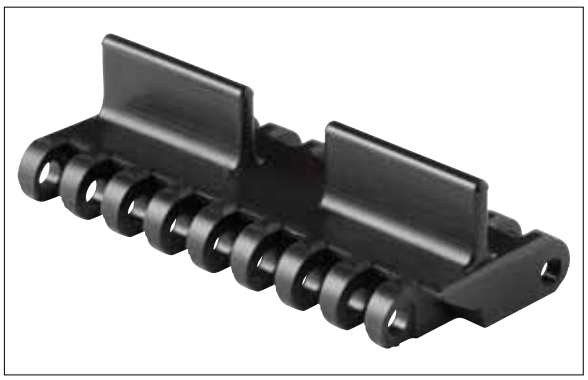


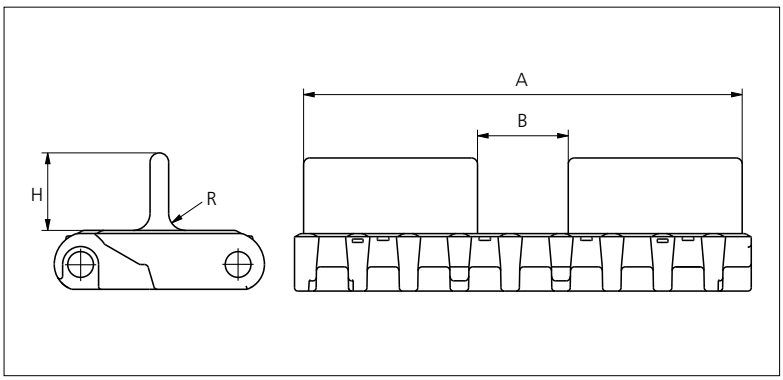
Type	Belt material & color	Rubber material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Flat	POM-NL K	09 K	2.5	0.09	3.0	0.12	0.7	0.02	K600	150.5	5.93
Rib											

The color of standard rubber material is black. However. as it is hardly possible to see black rubber on black links. the links are illustrated with rubber in color natural. Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

Accessories

Flight





Type	Material & color	H		R		A		B		Link size	Width		Indent	
		mm	in	mm	in	mm	in	mm	in		mm	in	mm	in
Flat	POM-NL K	25.0	0.98	5.5	0.22	145.0	5.70	30.0	1.18	K600	150.5	5.93	2.8	0.11

Non Standard material and color: See uni Material and Color Overview.

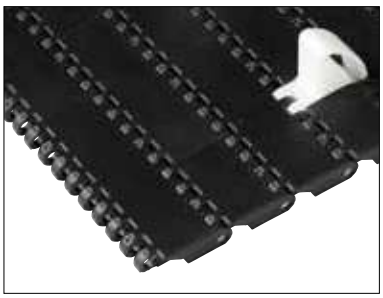
Accessories

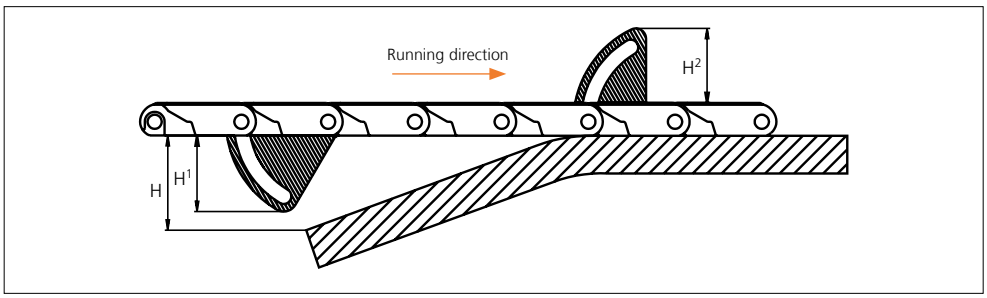
Top/Bottom Insert NON STANDARD

The thread inserts allow for easy attachment of fixturers to the belt.
Available insert size M5 + M6.
Depending on the size and shape of the attachment. attention should be paid as to how it will influence on the backflex radius of the belt.

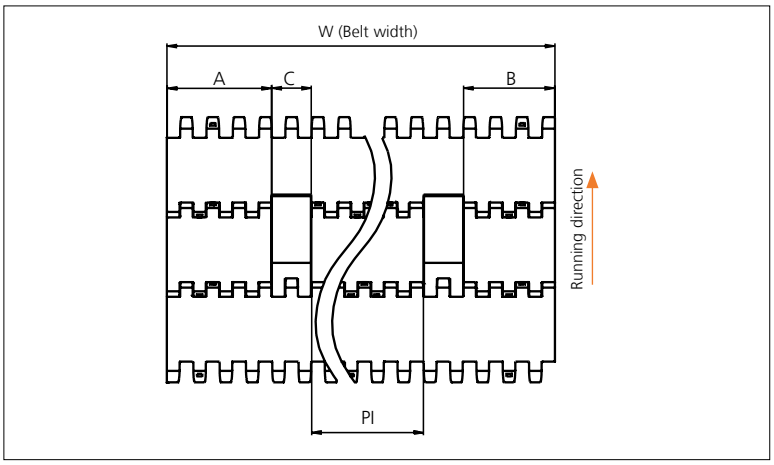
Accessories

AmFlight





Type	Material & color	H		H¹		H²	
		mm	in	mm	in	mm	in
Pull	PE W	56.2	1.21	45.0	1.77	45.6	1.80



	mm	in
A min	67.7	2.67
B min	59.3	2.33
C	24.0	0.94
Pl max	W - 175.0	W - 6.89
Pl min	43.2	1.70

Increment: 17.0 mm (0.70 in.)

Sprocket

No of teeth	Bore size										Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Single row/One way	Double row/Two way	PA6 LG Molded	PA6 N Machined
	Pilot bore	in	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
		mm	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in	mm	in				
Z06	✓		●	●	●	■	●■				99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	✓		✓	
Z08	✓		●	●	●	■	●■ [1]				132.9	5.23	132.8	5.23	70.0	2.75	53.3	2.10	74.9	2.94	✓	[1]✓	✓	
Z10	✓			[1]●	[1]●	[1]■	[1]●■	[2]■	[2]■		166.3	6.55	164.4	6.47	[1]70.0 [2]120.0	2.75 4.72	70.2	2.76	90.7	3.57	✓	✓	✓	
Z12	✓			[1]●	[1]●	[1]■	[1]●■	[2]■ [3]■	[2]■	[3]■	198.6	7.82	196.3	7.73	[1]70.0 [2]120.0 [3]164.0	2.75 4.72 6.45	86.8 86.8	3.42 3.42	106.6 106.6	4.19 4.19	[1+2]✓	[2+3]✓	✓	
Z16	✓			[2]● [1]■	[2]● [1]■	[2]■ [1]■	[2]●■ [1]■	[3]■ [1]■	[2]■ [1]■	[3]■	263.8	10.39	260.4	10.25	[1]150.0 [2]164.0 [3]200.0	5.90 6.45 7.87	119.7	4.71	138.7	5.46	[1]✓	[2+3]✓	✓	✓

● Molded sprocket

■ Molded sprocket

■ Machined sprocket

Other sprocket sizes are available upon request.
Other bore sizes on sprockets are available upon request.
Round bores are always delivered with keyway.
Max. load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

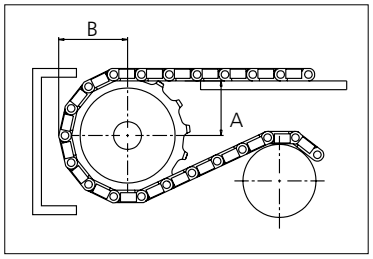
Width of tooth = Single row: 9.5 mm (0.37 in)
= Double row: 17.8 mm (0.70 in)

Width of One-part sprocket = Single row: 42.3 mm (1.66 in)
= Double row: 42.3 mm (1.66 in)
= [3]Double row: 50.0 mm (1.96 in)

uni UltraClean Two-Part Sprocket

No. of teeth	Bore size				Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Single row/One way	PA6 W Moulded
	in	1.50	1.57	2.36												
	mm	38.1	40.0	60.0	mm	in	mm	in	mm	in	mm	in	mm	in		
Z8		■	■		132.9	5.23	132.8	5.23	80.0	3.15	53.3	2.10	74.9	2.94	✓	✓
Z10		[1]■	[1]■	[2]■	166.3	6.55	164.4	6.47	[1]126.0 [2]118.0	[1]4.96 [2]4.65	70.2	2.76	90.7	3.57	✓	✓
Z12		[1]■	[1]■	[2]■	198.6	7.82	196.3	7.73	[1]126.0 [2]118.0	[1]4.96 [2]4.65	86.8	3.42	106.6	4.19	✓	✓

■ Moulded uni UltraClean TwoPart Sprocket



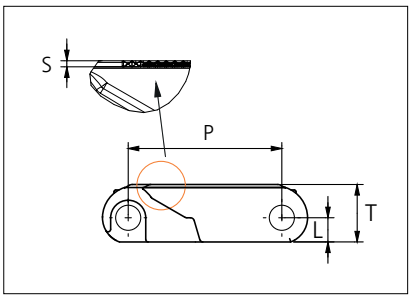
Width of UltraClean Two-part sprocket = Single row: 44.0 mm (1.73 in)
Width of UltraClean Two-part sprocket, tooth = Single row: 9.5 mm (0.37 in)

uni Retainer Rings: See uni Retainer Ring data sheet.
For correct sprocket position: See uni Assembly Instructions for uni CPB.
For more detailed sprocket information. contact Customer Service.

EN

Plastic Modular Belt

Series **uni CPB** Type **Rough Embedded**



Straight running belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Rough Embedded
Surface opening: 0%
Backflex radius: 85.0 mm (3.30 in)
Pin diameter: 8.0 mm (0.31 in)

Belt material & color	POM-DI UV O W
Pin and lock material & color	PBT-GR N / PA6.6 N

	mm	in		mm	in
P (Nominal)	50.8	2.00	**S**	1.0	0.04
L	8.0	0.31	**T**	18.0	0.71

Non standard material and color: See uni Material and Color Overview.

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-DI UV/PBT-GR		POM-DI UV/PBT-GR			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
151	5.9	7826	1759	2.5	1.68	2	2	2
403	15.9	20956	4711	6.7	4.50	3	3	2
453	17.8	23556	5295	7.5	5.05	4	4	2
503	19.8	26156	5880	8.3	5.61	4	4	2
553	21.8	28756	6464	9.2	6.17	4	4	2
604	23.8	31408	7061	10.0	6.74	5	5	3
654	25.7	34008	7645	10.9	7.30	5	5	3
704	27.7	36608	8229	11.7	7.85	5	5	3
754	29.7	39208	8814	12.5	8.41	6	6	3
805	31.7	41860	9410	13.4	8.98	6	6	3
855	33.7	44460	9995	14.2	9.54	6	6	3
905	35.6	47060	10579	15.0	10.10	7	7	4
956	37.6	49712	11175	15.9	10.67	7	7	4

Additional standard belt widths are available in steps of 50.3 mm (1.98 in). Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in).

1961	77.2	101972	22923	32.6	21.88	14	14	7

Additional standard belt widths are available in steps of 50.3 mm (1.98 in). Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in).

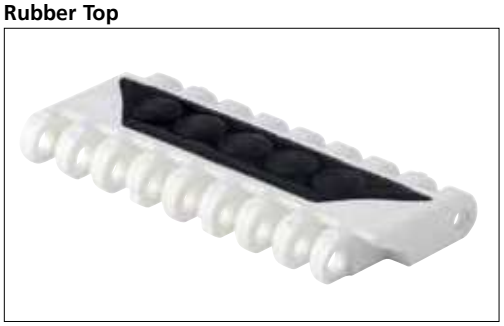
2966	116.8	154232	34671	49.2	33.09	20	20	10

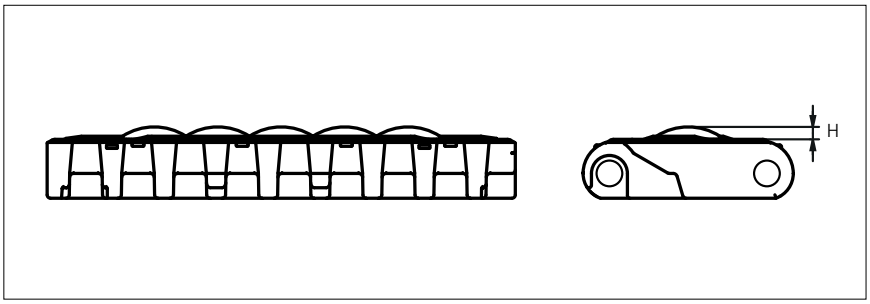
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-NLAS 2500 N (560 lbf), POM-NL 2500 N (560 lbf), PP 2500 N (560 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
= Single Link

STANDARD
STRAIGHT RUNNING
PITCH 50.8 MM/2.00 IN

Accessories

Rubber Top





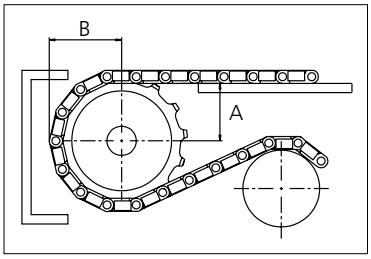
Type	Belt material & color	Rubber material & color	H		Link size	Width	
			mm	in		mm	in
Dome	PPI/UV W	03K K	4.0	0.16	K600	150.5	5.93

Sprocket

No of teeth	Bore size					Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/One way	Double row/Two way	LG PA6 Molded	Z PA6 Machined
	in	1.57	2.36	**2.50**	3.54														
	mm	**40.0**	**60.0**	63.5	**90.0**	mm	in	mm	in	mm	in	mm	in	mm	in				
Z16			■		■	263.8	10.39	260.4	10.25	160	6.29	119.7	4.71	138.7	5.46		x	x	

■ Non standard material and color: See uni Material and Color Overview.

■ **Molded sprocket**



Other sprocket sizes are available upon request.
Two-part sprocket are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet.
Width of tooth = 9.5 mm (0.37 in)
Width of sprocket = 40.8.0 mm (1.60 in)

Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni CPB.
For more detailed sprocket information, contact Customer Service.

Paso de 50.8 mm (2.00 pulgadas)

uni BLB – la banda perfecta para cocinar, cocer al vapor y escaldar

El diseño de la uni BLB combina el plástico con el acero inoxidable. Una superficie única de la banda garantiza que los productos transportados entran únicamente en contacto con el plástico sin que se pierdan las ventajas del acero inoxidable. La combinación de plástico y acero inoxidable evita de este modo el alargamiento y la reducción de esfuerzo a las temperaturas de ebullición del agua. Esto hace que uni BLB resulte ideal para manipular todo tipo de productos sensibles tales como verduras, frutas y pasta. Con las aperturas especiales en la superficie, incluso se puede manipular arroz con la uni BLB.

La banda BLB mejora el rendimiento en las siguientes industrias/aplicaciones:

- Escaldado de verduras y arroz
- Cocinado o precocinado de pasta fresca
- Cocer arroz al vapor
- Cocinar y enfriar pescado y marisco

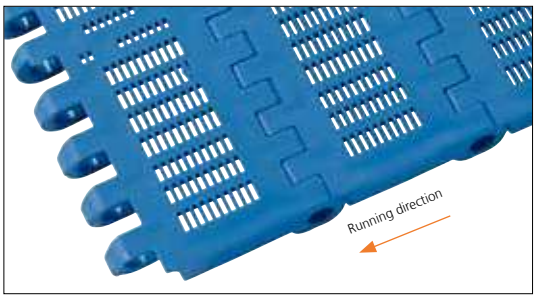
Características del producto y ventajas de funcionamiento:

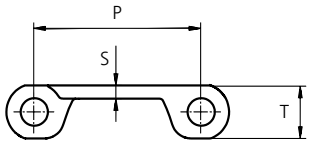
- Una mejor calidad del producto, ya que la superficie de la banda garantiza unos daños mínimos en los productos y una separación fácil de la banda
- Sin marcas de la superficie de la banda en los productos
- No se produce contaminación o daños en los productos debido al contacto con el acero inoxidable
- Una alta duración y unos costes de mantenimiento bajos
- Un diseño simplificado y fiable ya que se reduce el alargamiento de la banda debido a la temperatura en un 90% en comparación con las bandas de plástico
- Un rendimiento superior del producto debido a un diseño higiénico y un tiempo inferior de limpieza
- Una mayor utilización del equipo ya que se pueden manipular diversos productos en la misma banda.Esto hace que el equipo dependa en menor grado de las temporadas cortas de cosecha

EN

Plastic Modular Belt

Series **uni BLB** Type **18%**





Straight running belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Flat
Surface opening: 18%
Backflex radius: 65.0 mm (2.60 in)
Pin diameter: 8.0 mm (0.31 in)

Belt material & color	PP-HW LB
Pin and lock material & color	SS304 PP-HW LB

	mm	in		mm	in
P (Nominal)	50.8	2.00	**T**	16.0	0.63
S	4.0	0.16	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PP-HW LB

Belt width		***Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP-HW/SS		PP-HW/ PP-HW		PP-HW/SS		PP-HW/PP-HW			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
153	6.0	1010	227	1010	227	1.8	1.20	0.7	0.49	2	2	2
306	12.0	2020	454	2020	454	3.6	2.41	1.5	0.99	3	3	2
357	14.0	2354	529	2354	529	4.2	2.80	1.7	1.15	3	3	2
408	16.1	2693	605	2693	605	4.8	3.21	2.0	1.32	3	3	2
459	18.1	3028	681	3028	681	5.4	3.61	2.2	1.48	4	4	2
509	20.1	3362	756	3362	756	6.0	4.01	2.4	1.64	4	4	2
560	22.1	3697	831	3697	831	6.6	4.40	2.7	1.81	4	4	2
611	24.1	4032	906	4032	906	7.1	4.80	2.9	1.97	5	5	3
662	26.0	4367	982	4367	982	7.7	5.20	3.2	2.13	5	5	3
713	28.1	4706	1058	4706	1058	8.3	5.61	3.4	2.30	5	5	3
764	30.1	5041	1133	5041	1133	8.9	6.01	3.7	2.46	6	6	3
815	32.1	5379	1209	5379	1209	9.5	6.41	3.9	2.63	6	6	3
Additional standard belt widths are available in steps of 50.7 mm (2.00 in).												
1985	78.1	13101	2945	13101	2945	23.2	15.61	9.5	6.40	14	14	7
Additional standard belt widths are available in steps of 50.7 mm (2.00 in).												
3003	118.2	19820	4455	19820	4455	35.1	23.61	14.4	9.69	21	21	11

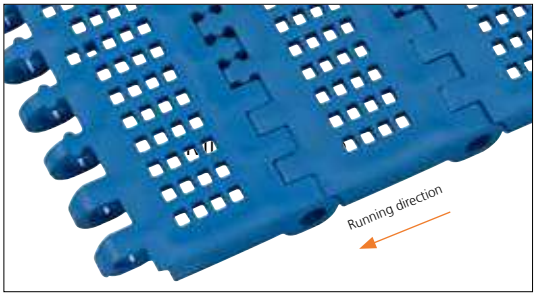
General belt tolerance is +0/-0.4% at 23°C/73°Fand 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: PP-HW with snub roller 2000 N (450 lbf), PP-HW without snub roller 1250 N (281 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
***Load capacity per row of reinforcement links in the belt: 2500 N (562 lbf).
***Example: Belt with 8 rows of reinforcement links, permissible load is 8 x 2500 N (562 lbf) = 20000 N (4496 lbf).
= Single Link

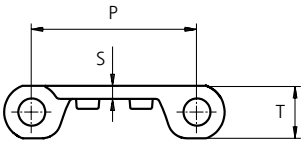
uni chains

EN

Plastic Modular Belt

Series **uni BLB** Type **22%**





Straight running belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Flat
Surface opening: 22%
Backflex radius: 65.0 mm (2.60 in)
Pin diameter: 8.0 mm (0.31 in)

Belt material & color	PP-HW LB
Pin and lock material & color	SS304 PP-HW LB

	mm	in		mm	in
P (Nominal)	50.8	2.00	**T**	16.0	0.63
S	4.0	0.16	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PP-HW LB

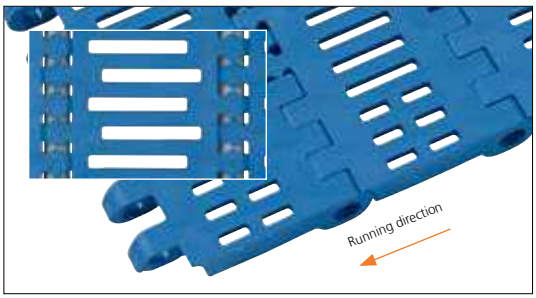
Belt width		***Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP-HW/SS		PP-HW/ PP-HW		PP-HW/SS		PP-HW/PP-HW			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
152	6.0	1005	226	1005	226	1.8	1.20	0.7	0.49	2	2	2
305	12.0	2013	453	2013	453	3.6	2.40	1.5	0.98	3	3	2
356	14.0	2348	528	2348	528	4.2	2.80	1.7	1.15	3	3	2
406	16.0	2683	603	2683	603	4.8	3.20	2.0	1.31	3	3	2
457	18.0	3017	678	3017	678	5.3	3.59	2.2	1.47	4	4	2
508	20.0	3352	754	3352	754	5.9	3.99	2.4	1.64	4	4	2
559	22.0	3687	829	3687	829	6.5	4.39	2.7	1.80	4	4	2
609	24.0	4022	904	4022	904	7.1	4.79	2.9	1.97	5	5	3
660	26.0	4356	979	4356	979	7.7	5.19	3.2	2.13	5	5	3
711	28.0	4691	1055	4691	1055	8.3	5.59	3.4	2.29	5	5	3
762	30.0	5026	1130	5026	1130	8.9	5.99	3.7	2.46	6	6	3
812	32.0	5361	1205	5361	1205	9.5	6.39	3.9	2.62	6	6	3
Additional standard belt widths are available in steps of 50.7 mm (2.00 in).												
1979	77.9	13061	2936	13061	2936	23.2	15.56	9.5	6.38	14	14	7
Additional standard belt widths are available in steps of 50.7 mm (2.00 in).												
2994	117.9	19760	4442	19760	4442	35.0	23.54	14.4	9.66	20	20	10

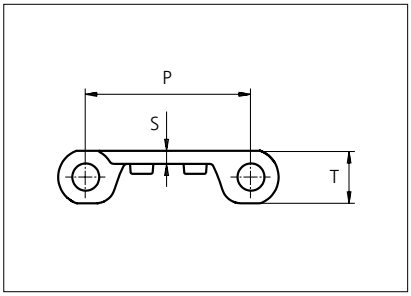
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH . For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: PP-HW with snub roller 2000 N (450 lbf), PP-HW without snub roller 1250 N (281 lbf)
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
***Load capacity per row of reinforcement links in the belt: 2500 N (562 lbf)
***Example: Belt with 8 rows of reinforcement links, permissible load is 8 x 2500 N (562 lbf) = 20000 N (4496 lbf)
= Single Link

EN

Plastic Modular Belt

Series **uni BLB** Type **38%**





Straight running belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Flat
Surface opening: 38%
Backflex radius: 65.0 mm (2.60 in)
Pin diameter: 8.0 mm (0.31 in)

Belt material & color	PP-HW LB
Pin and lock material & color	SS304 PP-HW LB

	mm	in		mm	in
P (Nominal)	50.8	2.00	**T**	16.0	0.63
S	4.0	0.16	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PP-HW LB

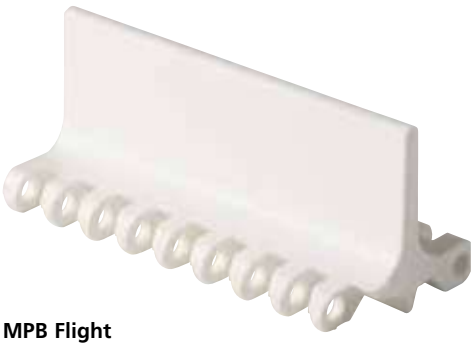
Belt width		***Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP-HW/SS		PP-HW/ PP-HW		PP-HW/SS		PP-HW/PP-HW			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
152	6.0	1005	226	1005	226	1.8	1.20	0.7	0.49	2	2	2
305	12.0	2013	453	2013	453	3.6	2.40	1.5	0.98	3	3	2
356	14.0	2348	528	2348	528	4.2	2.80	1.7	1.15	3	3	2
406	16.0	2683	603	2683	603	4.8	3.20	2.0	1.31	3	3	2
457	18.0	3017	678	3017	678	5.3	3.59	2.2	1.47	4	4	2
508	20.0	3352	754	3352	754	5.9	3.99	2.4	1.64	4	4	2
559	22.0	3687	829	3687	829	6.5	4.39	2.7	1.80	4	4	2
609	24.0	4022	904	4022	904	7.1	4.79	2.9	1.97	5	5	3
660	26.0	4356	979	4356	979	7.7	5.19	3.2	2.13	5	5	3
711	28.0	4691	1055	4691	1055	8.3	5.59	3.4	2.29	5	5	3
762	30.0	5026	1130	5026	1130	8.9	5.99	3.7	2.46	6	6	3
812	32.0	5361	1205	5361	1205	9.5	6.39	3.9	2.62	6	6	3
Additional standard belt widths are available in steps of 50.7 mm (2.00 in).												
1979	77.9	13061	2936	13061	2936	23.2	15.56	9.5	6.38	14	14	7
Additional standard belt widths are available in steps of 50.7 mm (2.00 in).												
2994	117.9	19760	4442	19760	4442	35.0	23.54	14.4	9.66	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: PP-HW with snub roller 2000 N (450 lbf), PP-HW without snub roller 1250 N (281 lbf)
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
***Load capacity per row of reinforcement links in the belt: 2500 N (562 lbf) Example: Belt with 8 rows of reinforcement links,
***Example: Belt with 8 rows of reinforcement links, permissible load is 8 x 2500 N (562 lbf) = 20000 N (4496 lbf)
= Single Link

STANDARD
STRAIGHT RUNNING
PITCH 50.8 MM/2.00 IN

Accessories

Flight / Non Standard

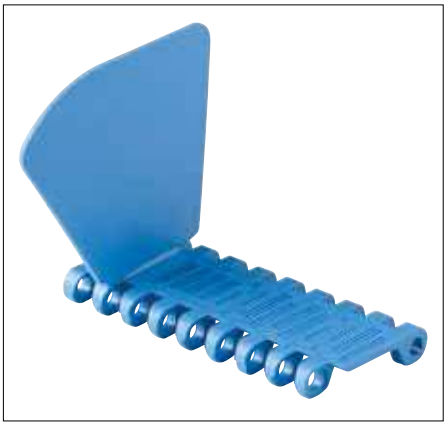


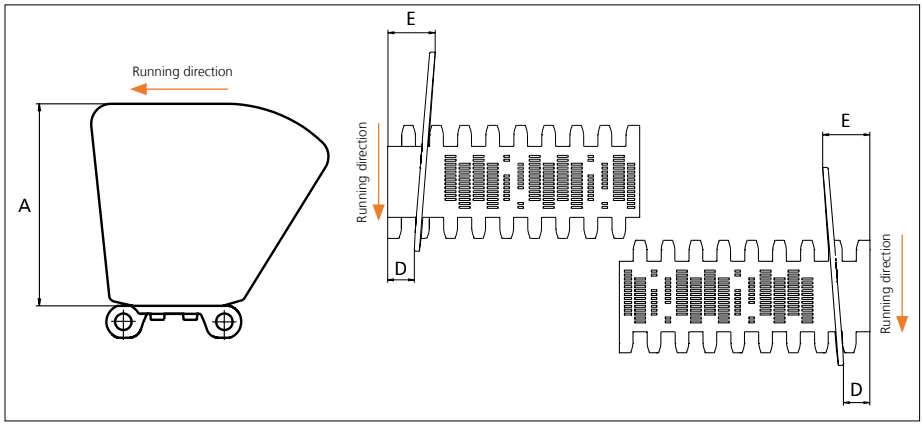
uni MPB Flight

uni MPB Flights in PP-HW LB fits the BLB belt and are available on request.
Please see the uni MPB Flight datasheet for more information.

Accessories

Side Guard



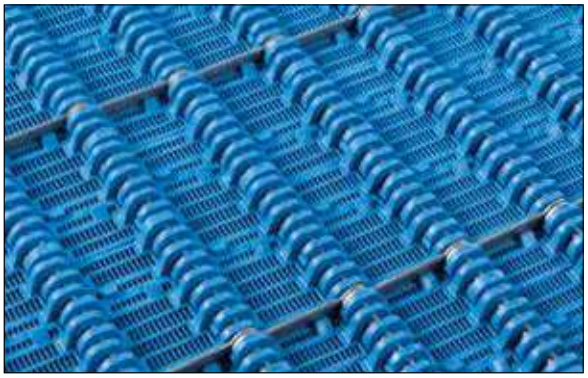


Type	Material & color	A		E		D	
		mm	in	mm	in	mm	in
Closed	PP-HW LB	101.6	4.00	28.5	1.12	16.0	0.63

Non Standard material and color: See uni Material and Color Overview.
Backflex radius for Side Guard: 200.0 mm (7.90 in)

Accessories

Reinforcement Link



Load capacity per row of reinforcement links in the belt. Maximum 19 rows per metre belt width.
Example: If seven rows are installed the max. permissible load of the belt is
7 x 2500 N (562 lbf) = 17500 N (3934 lbf).

Type	Material & color	N/row	Lbf/row
Steel Link	SS316	2500	562

Non Standard material and color: See uni Material and Color Overview.

Sprocket

No of teeth	Bore size									Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Single row/One way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in	1.00	1.18	1.25	1.50	1.57	2.36	2.50													
		mm	25.4	30.0	31.8	38.1	40.0	60.0	63.5	mm	in	mm	in	mm	in	mm	in	mm	in			
Z08	✓		●	●	●	■	●■			132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.94	✓	✓	
Z10	✓			●	●	●■	●■			166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	✓	✓	
Z10								■	■	166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	✓	✓	
Z12	✓			●	●	●■	●■			198.6	7.82	196.3	7.73	65.0	2.56	86.8	3.42	106.6	4.19	✓	✓	
Z12								■	■	198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.19	✓	✓	
Z16	✓			■	■	■	■	■	■	263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	✓		✓

● Molded sprocket ■ Machined sprocket

Other sprocket sizes are available upon request.
Other bore sizes on sprockets are available upon request.
Max. load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

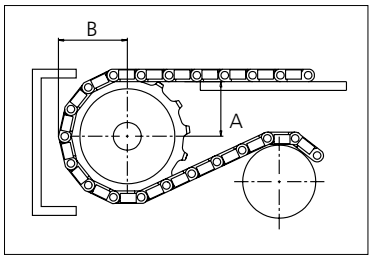
Width of tooth = Single row 9.5 mm (0.37 in)

Width of One-part sprocket = Single row: 42.3 mm (1.67 in)

uni UltraClean Two-Part Sprocket

No. of teeth	Bore size				Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Single row/One way	Moulded PA6 W
	in	1.50	1.57	2.36												
	mm	38.1	40.0	60.0	mm	in	mm	in	mm	in	mm	in	mm	in		
Z8		■	■		132.9	5.23	132.8	5.23	80.0	3.15	53.3	2.10	74.9	2.94	✓	✓
Z10		[1]■	[1]■	[2]■	166.3	6.55	164.4	6.47	[1]126.0 [2]118.0	[1]4.96 [2]4.65	70.2	2.76	90.7	3.57	✓	✓
Z12		[1]■	[1]■	[2]■	198.6	7.82	196.3	7.73	[1]126.0 [2]118.0	[1]4.96 [2]4.65	86.8	3.42	106.6	4.19	✓	✓

■ Moulded uni UltraClean TwoPart Sprocket



Width of UltraClean Two-part sprocket = Single row: 44.0 mm (1.73 in)

Width of UltraClean Two-part sprocket, tooth = Single row: 9.5 mm (0.37 in)

uni Retainer Rings: See uni Retainer Ring data sheet.
For correct sprocket position: See uni Assembly Instructions for uni BLB.
For more detailed sprocket information. contact Customer Service.

Paso de 50.8 mm (2.00 pulgadas)

uni RTB – La Excelencia en bandas plásticas con rodamientos orientables

Nuestra uni RTB 2011, es la opción más flexible y adaptable para sus necesidades de transporte. Acumulación, aceleración y desvíos son algunas de las posibilidades que ofrece nuestra ingeniosa banda plástica.

Diversos grados de posicionamiento, así como diámetro, convierten a nuestra gama RTB en la banda más polivalente para transporte lineal.

Un nuevo concepto de unión sin varilla plástica Snap Link® permite una fácil instalación así como un rendimiento óptimo. Ello simplifica las tareas de limpieza y reposición de elementos desgastados o dañados.

La configuración modular de nuestra RTB permite adaptarse a longitudes y anchuras bajo demanda.

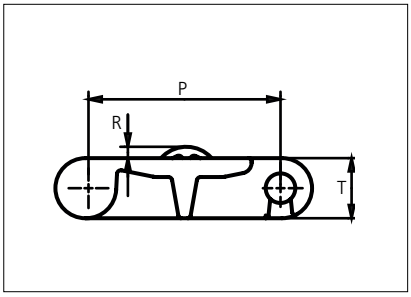
Características básicas y posibilidades de uso:

- El bajo coeficiente de fricción que ejercen los rodamientos en contacto con cualquier producto, permiten la acumulación del mismo sin generar atascos y desplazamientos no deseados del mismo.
- Es especialmente adecuado en aplicaciones donde el producto a transportar tiene un elevado coeficiente de fricción y o adherencia. Ej.: Neumáticos.
- El giro en vacío que efectúan los rodamientos evitan el riesgo de dañar el producto a manipular. A la vez que minimizan los costes energéticos necesarios para su funcionamiento.
- Las diversas posibles posiciones a 0°, 30°, 60°, 90°, 120° y 150° permiten desvíos a laterales ejerciendo una presión reducida sobre el producto.
- Alturas de los rodamientos de 3 y 6 mm sobre la superficie de la banda , crean el espacio necesario para enfriar y absorber superficies irregulares.

EN

Plastic Modular Belt

Series **uni RTB** Type **M1**

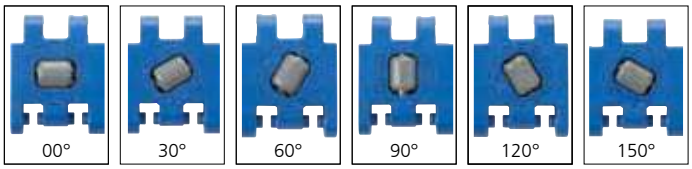


Straight running belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Roller Top
Surface opening: Closed
Backflex radius: 65.0 mm (2.56 in)
uni Snap link (pinless)

Belt material & color	POM-S B
Roller material & color	POM-NL G
Cover plate material & color	POM-NL B
Pin for roller material & color	SS304

	mm	in		mm	in
P (Nominal)	50.8	2.00	**T**	16.0	0.63
R	3.0	0.12	**-**	-	-

Roller Positions



Non standard material and color: See uni Material and Color Overview.

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-S		POM-S			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
153	6.0	4208	946	2.2	1.49	2	2	2
204	8.0	5611	1261	3.0	1.99	2	2	2
255	10.0	7014	1577	3.7	2.49	2	2	2
306	12.1	8417	1892	4.4	2.98	3	3	2
357	14.1	9821	2208	5.2	3.48	3	3	2
408	16.1	11224	2523	5.9	3.98	3	3	2
459	18.1	12627	2839	6.7	4.47	4	4	2
510	20.1	14031	3154	7.4	4.97	4	4	2
561	22.1	15434	3470	8.1	5.47	4	4	2
612	24.1	16837	3785	8.9	5.97	5	5	3
663	26.1	18240	4100	9.6	6.46	5	5	3
Additional standard belt widths are available in steps of 51.0 mm (2.01 in).								
1989	78.3	54698	12296	28.8	19.38	14	14	7
Additional standard belt widths are available in steps of 51.0 mm (2.01 in).								
2958	116.5	81345	18286	42.9	28.82	20	20	10

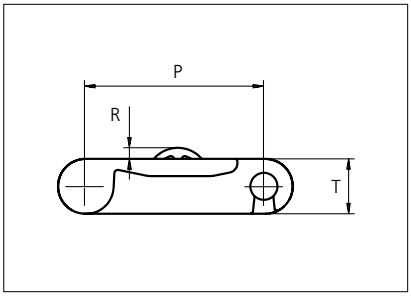
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-S 2000 N (450 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
= Single Link

uni chains

EN

Plastic Modular Belt

Series **uni RTB** Type **M1 8% Open**

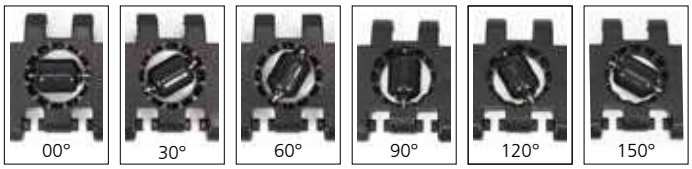


Straight running belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Roller Top
Surface opening: 8%
Backflex radius: 65.0 mm (2.56 in)
uni Snap link (pinless)

Belt material & color	PA6.6 DG
Roller material & color	PA6.6 DG
Pin for roller material & color	SS304

	mm	in		mm	in
P (Nominal)	50.8	2.00	**T**	16.0	0.63
R	3.0	0.12	**-**	-	-

Roller Positions



Non standard material and color: See uni Material and Color Overview.

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PA6.6		PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
154	6.1	4235	952	2.2	1.50	2	2	2
205	8.1	5638	1267	3.0	2.00	2	2	2
256	10.1	7040	1583	3.7	2.49	2	2	2
307	12.1	8443	1898	4.5	2.99	3	3	2
358	14.1	9845	2213	5.2	3.49	3	3	2
409	16.1	11248	2528	5.9	3.99	3	3	2
460	18.1	12650	2844	6.7	4.48	4	4	2
511	20.1	14053	3159	7.4	4.98	4	4	2
563	22.2	15483	3480	8.2	5.49	4	4	2
614	24.2	16885	3796	8.9	5.98	5	5	3
665	26.2	18288	4111	9.6	6.48	5	5	3
Additional standard belt widths are available in steps of 51.0 mm (2.01 in).								
1993	78.5	54808	12321	28.9	19.42	14	14	7
Additional standard belt widths are available in steps of 51.0 mm (2.01 in).								
2964	116.7	81510	18323	43.0	28.88	20	20	10

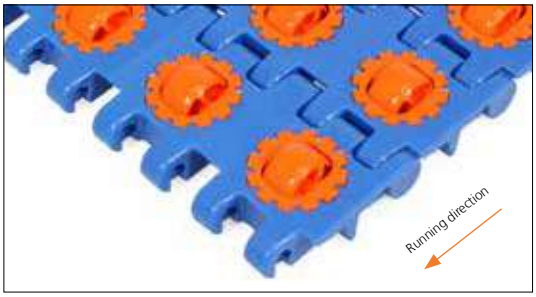
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: PA6.6 2000 N (450 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
= Single Link

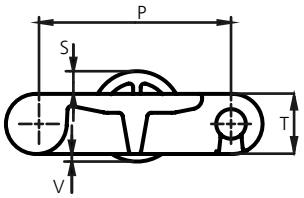
STANDARD
STRAIGHT RUNNING
PITCH 50.8 MM/2.00 IN

EN

Plastic Modular Belt

Series **uni RTB** Type **M2**



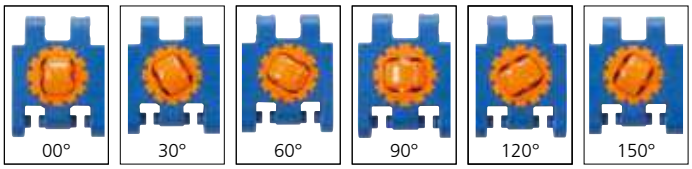


Straight running belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Roller Top
Surface opening: Closed
Backflex radius: 65.0 mm (2.56 in)
uni Snap link (pinless)

Belt material & color	POM-S **B**
Roller material & color	POM-NL **O**
Cover plate material & color	POM-NL **O**
Pin for roller material & color	**SS304**

	mm	in		mm	in
P (Nominal)	50.8	2.00	**T**	16.0	0.63
S	6.0	0.24	**V**	2.0	0.08

Roller Positions



Non standard material and color: See uni Material and Color Overview.

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-S		POM-S			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
153	6.0	4208	946	2.2	1.49	2	2	2
204	8.0	5611	1261	3.0	1.99	2	2	2
255	10.0	7014	1577	3.7	2.49	2	2	2
306	12.1	8417	1892	4.4	2.98	3	3	2
357	14.1	9821	2208	5.2	3.48	3	3	2
408	16.1	11224	2523	5.9	3.98	3	3	2
459	18.1	12627	2839	6.7	4.47	4	4	2
510	20.1	14031	3154	7.4	4.97	4	4	2
561	22.1	15434	3470	8.1	5.47	4	4	2
612	24.1	16837	3785	8.9	5.97	5	5	3
663	26.1	18240	4100	9.6	6.46	5	5	3
Additional standard belt widths are available in steps of 51.0 mm (2.01 in).								
1989	78.3	54698	12296	28.8	19.38	14	14	7
Additional standard belt widths are available in steps of 51.0 mm (2.01 in).								
2958	116.5	81345	18286	42.9	28.82	20	20	10

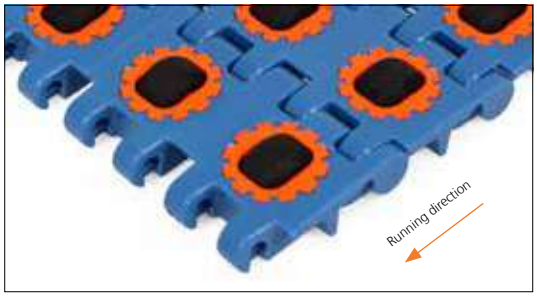
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-S 2000 N (450 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
= Single Link

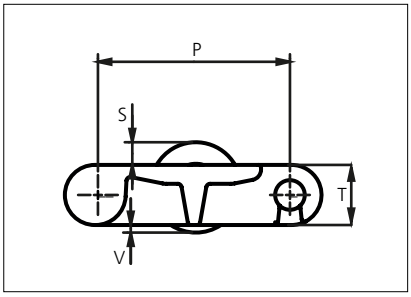
uni chains

EN

Plastic Modular Belt

Series **uni RTB** Type **M2 Rubber Top**



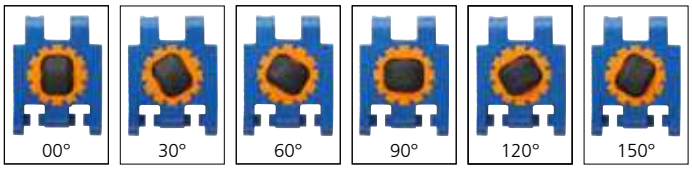


Straight running belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Roller Top
Surface opening: Closed
Backflex radius: 65.0 mm (2.56 in)
uni Snap link (pinless)

Belt material & color	POM-S B	
Roller and Rubber material & color	POM-NL O	01 K
Cover plate material & color	POM-NL O	
Pin for roller material & color	SS304	

	mm	in		mm	in
P (Nominal)	50.8	2.00	**T**	16.0	0.63
S	6.0	0.24	**V**	2.0	0.08

Roller Positions



Non standard material and color: See uni Material and Color Overview.

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-S		POM-S			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
153	6.0	4208	946	2.2	1.49	2	2	2
204	8.0	5611	1261	3.0	1.99	2	2	2
255	10.0	7014	1577	3.7	2.49	2	2	2
306	12.1	8417	1892	4.4	2.98	3	3	2
357	14.1	9821	2208	5.2	3.48	3	3	2
408	16.1	11224	2523	5.9	3.98	3	3	2
459	18.1	12627	2839	6.7	4.47	4	4	2
510	20.1	14031	3154	7.4	4.97	4	4	2
561	22.1	15434	3470	8.1	5.47	4	4	2
612	24.1	16837	3785	8.9	5.97	5	5	3
663	26.1	18240	4100	9.6	6.46	5	5	3
Additional standard belt widths are available in steps of 51.0 mm (2.01 in).								
1989	78.3	54698	12296	28.8	19.38	14	14	7
Additional standard belt widths are available in steps of 51.0 mm (2.01 in).								
2958	116.5	81345	18286	42.9	28.82	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-S 2000 N (450 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
= Single Link

uni chains

Sprocket

No. of teeth	Bore size									Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Single row/One way	PA6 LG Molded	PA6 N Machined
	Pilot bore	in	1.00	1.18	1.25	1.50	1.57	2.36	2.50	mm	in	mm	in	mm	in	mm	in	mm	in			
		mm	25.4	30.0	31.8	38.1	40.0	60.0	63.5													
Z08	✓		●	●	●	■	●■			132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.6	2.93	✓	✓	
Z10	✓			●	●	●■	●■			166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.4	3.56	✓	✓	
Z10								■	■	166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.4	3.56	✓	✓	
Z12	✓			●	●	●■	●■			198.6	7.82	196.3	7.73	65.0	2.56	86.8	3.42	106.3	4.18	✓	✓	
Z12								■	■	198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.3	4.18	✓	✓	
Z16	✓			■	■	■	■	■	■	263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.3	5.44	✓		✓

● **Molded sprocket** ■ **Machined sprocket**

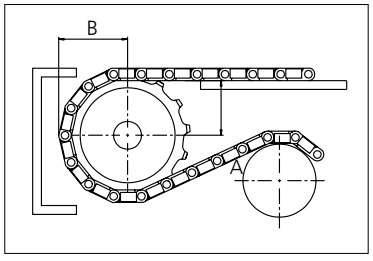
Other sprocket sizes are available upon request.
Other bore sizes on sprockets are available upon request.
Round bores are always delivered with keyway.
Max. load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

Width of tooth = Single row 9.5 mm (0.37 in)
Width of One-part sprocket = Single row: 42.3 mm (1.67 in)

uni UltraClean Two-Part Sprocket

No. of teeth	Bore size				Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Single row/One way	PA6 W Moulded
	in	1.50	1.57	2.36	mm	in	mm	in	mm	in	mm	in	mm	in		
	mm	38.1	40.0	60.0												
Z8		■	■		132.9	5.23	132.8	5.23	80.0	3.15	53.3	2.10	74.9	2.94	✓	✓
Z10		[1]■	[1]■	[2]■	166.3	6.55	164.4	6.47	[1]126.0 [2]118.0	[1]4.96 [2]4.65	70.2	2.76	90.7	3.57	✓	✓
Z12		[1]■	[1]■	[2]■	198.6	7.82	196.3	7.73	[1]126.0 [2]118.0	[1]4.96 [2]4.65	86.8	3.42	106.6	4.19	✓	✓

■ **Moulded uni UltraClean TwoPart Sprocket**



Width of UltraClean Two-part sprocket = Single row: 44.0 mm (1.73 in)
Width of UltraClean Two-part sprocket, tooth = Single row: 9.5 mm (0.37 in)

uni Retainer Rings: See uni Retainer Ring data sheet.
For correct sprocket position: See uni Assembly Instructions for uni RTB.
For more detailed sprocket information. contact Customer Service.

Paso de 50.0 mm (1.97 pulgadas)

uni OPB – La banda con una superficie abierta superior e inferior única

La banda de paso de 2 pulgadas uni OPB se ha desarrollado para los procesos de cocción, escaldado y pasteurizado en la industria alimentaria. Sus diferentes aperturas le dotan de un alto rendimiento con varios productos alimenticios.

La banda uni OBP se usa normalmente en las siguientes industrias/aplicaciones:

- Fruta y verdura, incluyendo elevadores, escaldadores, líneas de enfriado y pasteurizadores
- Pasta, incluyendo escaldadores, pasteurizadores y líneas de enfriado
- Agricultura (maíz y arroz), incluyendo elevadores, escaldadores y líneas de enfriado
- Bebidas, incluyendo mesas de acumulación, pasteurizadores y paletizadoras

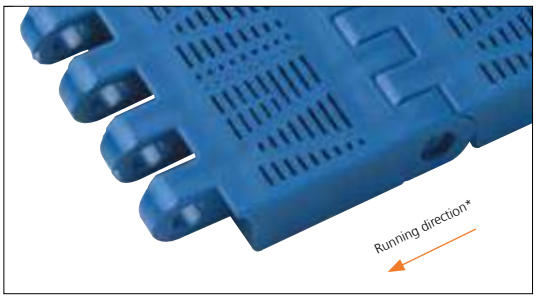
Características del producto y ventajas de funcionamiento:

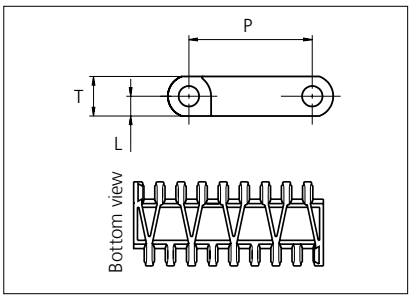
- Distintas aperturas, incluyendo mallas de apertura fina para drenaje de agua
- La opción de control del paso / mallas de refuerzo reduce el alargamiento hasta un 90% en aplicaciones a alta temperatura aplicaciones
- Parte inferior resistente al desgaste y a los impactos
- Soportes reforzados, para elevadores con carga y transportadores inclinados
- Peines para una transferencia sin problemas

EN

Plastic Modular Belt

Serie **uni OPB 4V** Type **23% Fine-meshed**





Straight running belt
Nominal pitch: 50.0 mm (1.97 in)
Surface type: Flat
Surface opening: 23%
Backflex radius: 75.0 mm (3.00 in)
Pin diameter: 8.0 mm (1.97 in)

*uni-chains recommends this travel direction. However. travel in both directions is possible.

Belt material & color	PP-HW **B**	PP **W**
Pin and lock material & color	PP-HW **LB**	PP **W**

	mm	in		mm	in
P (Nominal)	50.0	1.97	**T**	16.0	0.63
L	8.0	0.31	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Trilock: PP-HW **LB** Endlock: PP **W** **G** **B** and PE **W** **B** Lockpin: PE **W** PA6.6 **N** **B** and PBT **LG**
Pin: PP **W** PE **W** PBT **LG** SS304 and SS316

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP-HW/PP-HW		PP/PP-HW		PP-HW/PP-HW		PP/PP-HW			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
118	4.6	1296	291	1296	291	0.8	0.54	0.8	0.54	2	2	2
153	6.0	1683	378	1683	378	1.0	0.70	1.0	0.70	2	2	2
186	7.3	2046	460	2046	460	1.3	0.85	1.3	0.85	2	2	2
305	12.0	3355	754	3355	754	2.1	1.39	2.1	1.39	3	3	2
457	18.0	5027	1130	5027	1130	3.1	2.09	3.1	2.09	4	4	2
609	24.0	6699	1506	6699	1506	4.1	2.78	4.1	2.78	5	5	3
761	30.0	8371	1882	8371	1882	5.2	3.48	5.2	3.48	6	6	3
913	35.9	10043	2258	10043	2258	6.2	4.17	6.2	4.17	7	7	4
1065	41.9	11715	2634	11715	2634	7.2	4.87	7.2	4.87	8	8	4
1218	48.0	13398	3012	13398	3012	8.3	5.57	8.3	5.57	9	9	5
1370	53.9	15070	3388	15070	3388	9.3	6.26	9.3	6.26	10	10	5
1522	59.9	16742	3764	16742	3764	10.3	6.96	10.3	6.96	11	11	6
1674	65.9	18414	4139	18414	4139	11.4	7.65	11.4	7.65	12	12	6
Additional standard belt widths are available in steps of 151.5 mm (5.96 in). Additional non-standard belt widths are available in steps of 33.7 mm (1.33 in).												
2587	101.9	28457	6397	28457	6397	17.6	11.82	17.6	11.82	18	18	9
Additional standard belt widths are available in steps of 151.5 mm (5.96 in). Additional non-standard belt widths are available in steps of 33.7 mm (1.33 in).												
2891	113.8	31801	7149	31801	7149	19.7	13.21	19.7	13.21	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
Belt widths in PP-HW is 0.4 % wider than the belt widths in the table above.
*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in)
= Single Link

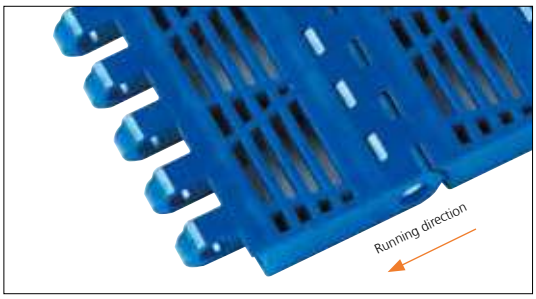
uni chains

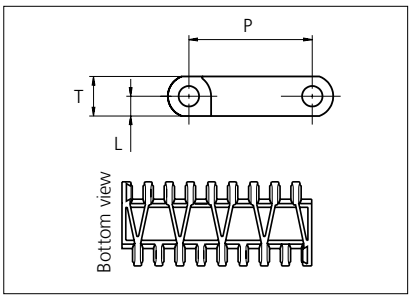
STANDARD
STRAIGHT RUNNING
PITCH 50.0 MM/1.97 IN

EN

Plastic Modular Belt

Serie **uni OPB 4V** Type **23%**





Straight running belt
Nominal pitch: 50.0 mm (1.97 in)
Surface type: Flat
Surface opening: 23%
Backflex radius: 75.0 mm (3.00 in)
Pin diameter: 8 mm (1.97 in)

*uni-chains recommends this travel direction. However. travel in both directions is possible.

Note: uni OPB 23% 4V are listed in the USDA "Accepted Meat and Poultry Equipment" publication as accepted food contact.

Belt material & color	PP-HW B
Pin and lock material & color	PP-HW LB

	mm	in		mm	in
P (Nominal)	50.0	1.97	**T**	16.0	0.63
L	8.0	0.31	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Trilock: PP-HW LB Endlock: PP W G B and PE W B Lockpin: PE W PA6.6 N B and PBT LG
Pin: PP W PE W PBT LG SS304 and SS316

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP-HW/PP-HW		PP/PP-HW		PP-HW/PP-HW		PP/PP-HW			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
118	4.6	1298	292	1298	292	0.8	0.54	0.8	0.54	2	2	2
151	5.9	1661	373	1661	373	1.0	0.69	1.0	0.69	2	2	2
185	7.3	2035	457	2035	457	1.3	0.85	1.3	0.85	2	2	2
302	11.9	3322	747	3322	747	2.1	1.38	2.1	1.38	3	3	2
453	17.8	4983	1120	4983	1120	3.1	2.07	3.1	2.07	4	4	2
604	23.8	6644	1494	6644	1494	4.1	2.76	4.1	2.76	5	5	3
755	29.7	8305	1867	8305	1867	5.1	3.45	5.1	3.45	6	6	3
906	35.7	9966	2240	9966	2240	6.2	4.14	6.2	4.14	7	7	4
1057	41.6	11627	2614	11627	2614	7.2	4.83	7.2	4.83	8	8	4
1208	47.6	13288	2987	13288	2987	8.2	5.52	8.2	5.52	9	9	5
1359	53.5	14949	3361	14949	3361	9.2	6.21	9.2	6.21	10	10	5
1510	59.4	16610	3734	16610	3734	10.3	6.90	10.3	6.90	11	11	6

Additional standard belt widths are available in steps of 151.0 mm (5.94 in). Additional non-standard belt widths are available in steps of 33.6 mm (1.32 in).

2567	101.1	28237	6348	28237	6348	17.5	11.73	17.5	11.73	18	18	9

Additional standard belt widths are available in steps of 151.0 mm (5.94 in) Additional non-standard belt widths are available in steps of 33.6 mm (1.32 in).

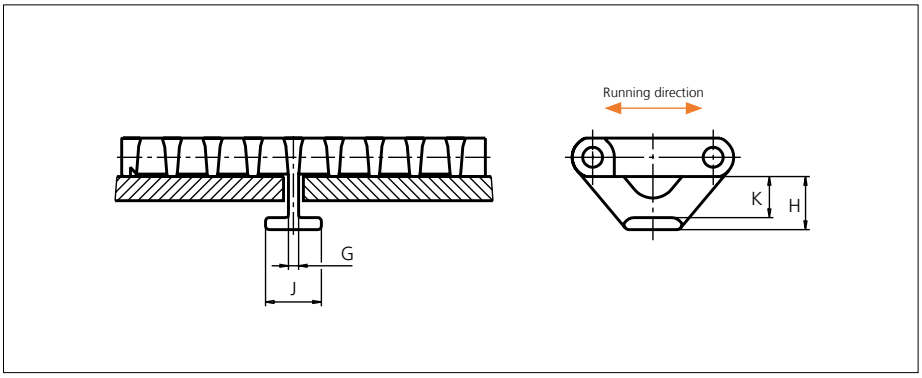
2869	113.0	31559	7094	31559	7094	19.5	13.11	19.5	13.11	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
Belt widths in PP-HW is 0.4 % wider than the belt widths in the table above.
*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf).
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).
= Single Link

uni chains

Accessories

Tab/NON STANDARD

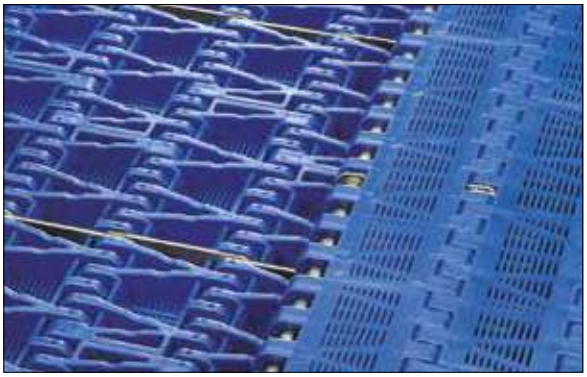


Type	Belt material & color	G		H		J		K	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D N	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67
	POM-LF B								
	PP W								

Non Standard material and color: See uni Material and Color Overview.

Accessories

Reinforcement Link



The use of uni-chains belts with the SS reinforcement /pitch control links in blanchers. cookers and other high temperature applications will reduce belt elongation due to temperature by more than 90%. This will simplify the belt take-up system and reduce maintenance.

uni-chains recommends one reinforcement link per K600 module.

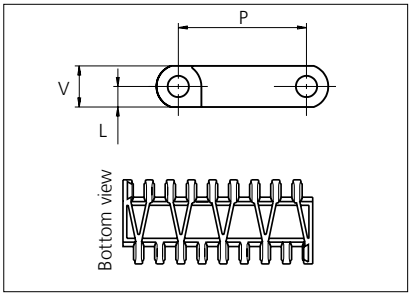
Type	Material & color	N/row	Lbf/row
Steel Link	SS316	2500	562

Note: Reinforcement links require the use of SS pins.
Non Standard material and color: See uni Material and Color Overview.

EN

Plastic Modular Belt

Series **uni OPB 4V** Type **C**



Straight running belt
Nominal pitch: 50.0 mm (1.97 in)
Surface type: Flat
Surface opening: Closed
Backflex radius: 75.0 mm (3.00 in)
Pin diameter: 8 mm (1.97 in)

*uni-chains recommends this travel direction. However, travel in both directions is possible.

Recommended belt material & color	POM-D **W**
Recommended pin and lock material & color	PP **W**

	mm	in		mm	in
P (Nominal)	50.0	1.97	**V**	16.0	0.63
L	8.0	0.31	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF, POM-SLF, PP, PE, PA6.6, PA6.6H
Lockpin: PE **W** PA6.6 **N** PP **W**
Rodlock: PP **W**
Endlock: PP **W** **G** **B** PE **W** **B**
Pin: PP **W** PE **W** SS304, SS316

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
118	4.6	2596	584	1298	292	779	175	1.4	0.93	0.9	0.59	1.0	0.64	2	2	2
151	5.9	3322	747	1661	373	997	224	1.8	1.19	1.1	0.76	1.2	0.82	2	2	2
185	7.3	4070	915	2035	457	1221	274	2.2	1.45	1.4	0.93	1.5	1.01	2	2	2
302	11.9	6644	1494	3322	747	1993	448	3.5	2.37	2.3	1.52	2.4	1.64	3	3	2
453	17.8	9966	2240	4983	1120	2990	672	5.3	3.56	3.4	2.28	3.7	2.47	4	4	2
604	23.8	13288	2987	6644	1494	3986	896	7.1	4.75	4.5	3.04	4.9	3.29	5	5	3
755	29.7	16610	3734	8305	1867	4983	1120	8.8	5.94	5.7	3.81	6.1	4.11	6	6	3
906	35.7	19932	4481	9966	2240	5980	1344	10.6	7.12	6.8	4.57	7.3	4.93	7	7	4
1057	41.6	23254	5227	11627	2614	6976	1568	12.4	8.31	7.9	5.33	8.6	5.75	8	8	4
1208	47.6	26576	5974	13288	2987	7973	1792	14.1	9.50	9.1	6.09	9.8	6.58	9	9	5
1359	53.5	29898	6721	14949	3361	8969	2016	15.9	10.69	10.2	6.85	11.0	7.40	10	10	5
1510	59.4	33220	7468	16610	3734	9966	2240	17.7	11.87	11.3	7.61	12.2	8.22	11	11	6
1661	65.4	36542	8215	18271	4107	10963	2464	19.4	13.06	12.5	8.37	13.5	9.04	12	12	6
Additional standard belt widths are available in steps of 151.0 mm (5.94 in). Additional non-standard belt widths are available in steps of 33.6 mm (1.32 in).																
2567	101.1	56474	12695	28237	6348	16942	3809	30.0	20.18	19.3	12.94	20.8	13.97	18	18	9
Additional standard belt widths are available in steps of 151.0 mm (5.94 in). Additional non-standard belt widths are available in steps of 33.6 mm (1.32 in).																
2869	113.0	63118	14189	31559	7094	18935	4257	33.6	22.56	21.5	14.46	23.2	15.62	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

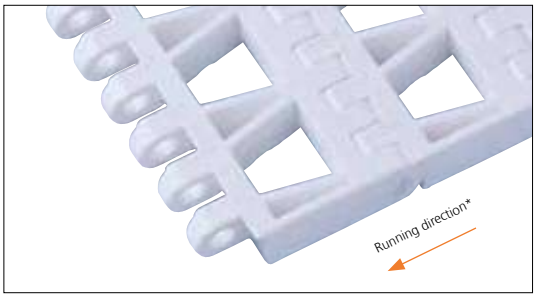
= Single Link

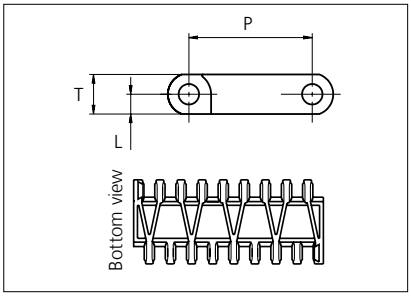
NON STANDARD
STRAIGHT RUNNING
PITCH 50.0 MM/1.97 IN

EN

Plastic Modular Belt

Serie **uni OPB 4V** Type **36%**





Straight running belt
Nominal pitch: 50.0 mm (1.97 in)
Surface type: Flat
Surface opening: 36%
Backflex radius: 75.0 mm (3.00 in)
Pin diameter: 8 mm (1.97 in)

*uni-chains recommends this travel direction. However, travel in both directions is possible.

Note: uni OPB 36% 4V are listed in the USDA "Accepted Meat and Poultry Equipment" publication as accepted food contact.

Belt material & color	PP **W**
Pin and lock material & color	PP **W**

	mm	in		mm	in
P (Nominal)	50.0	1.97	**T**	16.0	0.63
L	8.0	0.31	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Trilock: PP-HW **LB** Endlock: PP **W** **G** **B** and PE **W** **B** Lockpin: PE **W** PA6.6 **N** **B** and PBT **LG**
Pin: PP **W** PE **W** PBT **LG** SS304 and SS316

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP/PP		PP/PP				
mm	in	N	lbf	kg/m	lb/ft		**Carry (pcs)	**Return (pcs)
151	5.9	1661	373	1.0	0.65	2	2	2
302	11.9	3322	747	1.9	1.30	3	3	2
453	17.8	4983	1120	2.9	1.95	4	4	2
604	23.8	6644	1494	3.9	2.60	5	5	3
755	29.7	8305	1867	4.8	3.25	6	6	3
906	35.7	9966	2240	5.8	3.90	7	7	4
1057	41.6	11627	2614	6.8	4.55	8	8	4
1208	47.6	13288	2987	7.7	5.20	9	9	5
1359	53.5	14949	3361	8.7	5.85	10	10	5
1510	59.4	16610	3734	9.7	6.49	11	11	6
1661	65.4	18271	4107	10.6	7.14	12	12	6
1812	71.3	19932	4481	11.6	7.79	13	13	7

Additional standard belt widths are available in steps of 151.0 mm (5.94 in). Additional non-standard belt widths are available in steps of 33.6 mm (1.32 in).

2567	101.1	28237	6348	16.4	11.04	18	18	9

Additional standard belt widths are available in steps of 151.0 mm (5.94 in). Additional non-standard belt widths are available in steps of 33.6 mm (1.32 in).

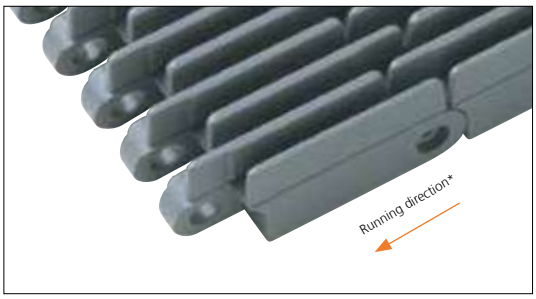
2869	113.0	31559	7094	18.4	12.34	20	20	10

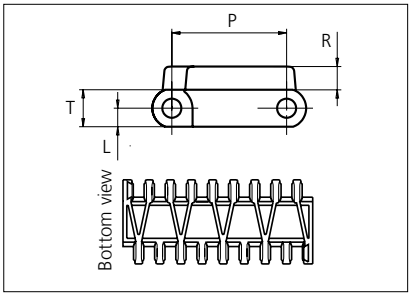
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).
= Single Link

EN

Plastic Modular Belt

Serie **uni OPB 4V** Type **23% Rib**





Straight running belt
Nominal pitch: 50.0 mm (1.97 in)
Surface type: Rib Top
Surface opening: 23%
Backflex radius: 300.0 mm (11.80 in)
Pin diameter: 8.0 mm (1.97 in)

*uni-chains recommends this travel direction. However. travel in both directions is possible.

Note: uni OPB 36% 4V are listed in the USDA "Accepted Meat and Poultry Equipment" publication as accepted food contact.

Belt material & color	PP-HW LB	PP G
Pin and lock material & color	PP-HW LB	PP W

	mm	in		mm	in
T	16.0	0.63	**P (Nominal)**	50.0	1.97
L	8.0	0.31	**R**	10.0	0.39

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Trilock: PP-HW LB Endlock: PP W G B PE W B Lockpin: PP W PE W PA6.6 N B PBT LG
Pin: PP W PE W PBT LG SS304 and SS316

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP-HW/PP-HW		PP/PP-HW		PP-HW/PP-HW		PP/PP-HW			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
151	5.9	1661	373	1661	373	1.0	0.69	1.0	0.69	2	2	2
302	11.9	3322	747	3322	747	2.1	1.38	2.1	1.38	3	3	2
453	17.8	4983	1120	4983	1120	3.1	2.07	3.1	2.07	4	4	2
604	23.8	6644	1494	6644	1494	4.1	2.76	4.1	2.76	5	5	3
755	29.7	8305	1867	8305	1867	5.1	3.45	5.1	3.45	6	6	3
906	35.7	9966	2240	9966	2240	6.2	4.14	6.2	4.14	7	7	4
1057	41.6	11627	2614	11627	2614	7.2	4.83	7.2	4.83	8	8	4
1208	47.6	13288	2987	13288	2987	8.2	5.52	8.2	5.52	9	9	5
1359	53.5	14949	3361	14949	3361	9.2	6.21	9.2	6.21	10	10	5
1510	59.4	16610	3734	16610	3734	10.3	6.90	10.3	6.90	11	11	6
1661	65.4	18271	4107	18271	4107	11.3	7.59	11.3	7.59	12	12	6
1812	71.3	19932	4481	19932	4481	12.3	8.28	12.3	8.28	13	13	7

Additional standard belt widths are available in steps of 151.0 mm (5.94 in). Additional non-standard belt widths are available in steps of 33.6 mm (1.32 in).

2567	101.1	28237	6348	28237	6348	17.5	11.73	17.5	11.73	18	18	9

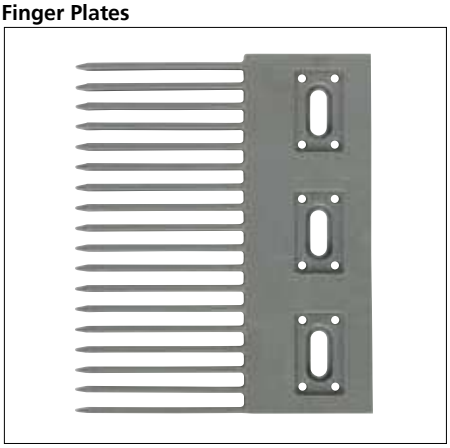
Additional standard belt widths are available in steps of 151.0 mm (5.94 in). Additional non-standard belt widths are available in steps of 33.6 mm (1.32 in).

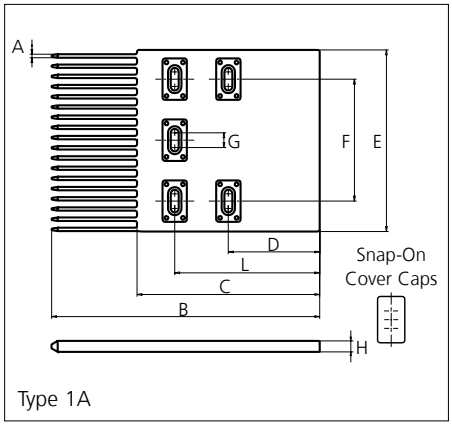
2869	113.0	31559	7094	31559	7094	19.5	13.11	19.5	13.11	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
= Single Link

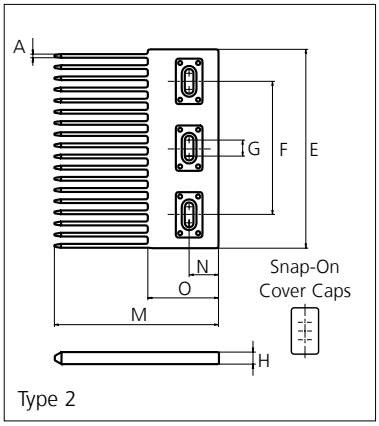
Accessories

Finger Plates

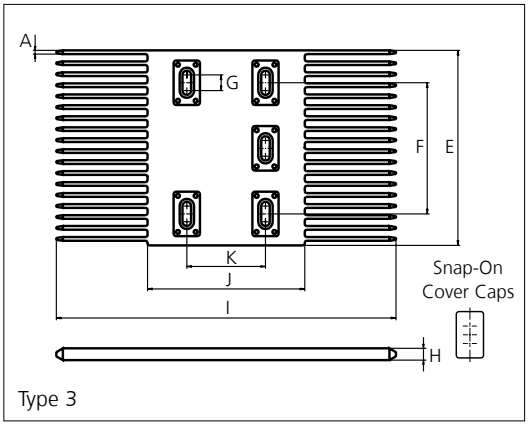




Type 1A



Type 2



Type 3

Type	Material & color	A		B		C		D		E		F	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
Single Sided	POM-DI G	2.8	0.11	220.0	8.66	150.0	5.91	75.0	2.95	149.0	5.87	100.0	3.94
Double Sided													

G		H		I		J		K		L		M		N		O	
mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
12.0	0.47	9.0	0.35	259.0	10.20	120.0	4.72	60.0	2.36	119.0	4.69	123.0	4.84	22.0	0.87	53.0	2.09

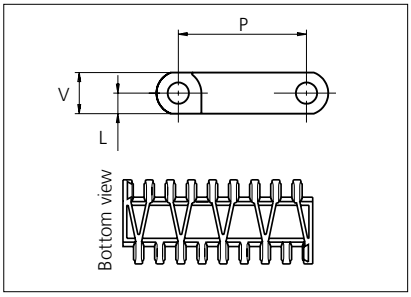
All uni-chains belt systems are available in a raised rib version that can be supplied with matching finger plates. alsocalled combs.
The finger plates are supplied with cover caps which can be attached when the finger plate has been installed. The cover caps can be removed by using a screwdriver that can be inserted between the cover and finger plate. In order to adjust to belt width variations caused by temperature fluctuations. a slider facilitates the sideways movement of the finger plates.

Non Standard material and color: See uni Material and Color Overview.

EN

Plastic Modular Belt

Series **uni OPB 4V** Type **Rough**



Straight running belt
Nominal pitch: 50.0 mm (1.97 in)
Surface type: Rough Top
Surface opening: Closed
Backflex radius: 75.0 mm (3.00 in)
Pin diameter: 8 mm (1.97 in)

*uni-chains recommends this travel direction.
However. travel in both directions is possible.

Recommended belt material & color	POM-D **W**
Recommended pin and lock material & color	PP **W**

	mm	in		mm	in
P (Nominal)	50.0	1.97	**V**	16.0	0.63
L	8.0	0.31	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H
Rodlock: PP **W**
Endlock: PP **W** **G** **B** and PE **W** **B**
Lockpin: PE **W** PA6.6 **N** PP **W**
Pin: PP **W** PE **W** SS304 and SS316

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
151	5.9	3322	747	1661	373	997	224	1.8	1.19	1.1	0.76	1.2	0.82	2	2	2
302	11.9	6644	1494	3322	747	1993	448	3.5	2.37	2.3	1.52	2.4	1.64	3	3	2
453	17.8	9966	2240	4983	1120	2990	672	5.3	3.56	3.4	2.28	3.7	2.47	4	4	2
604	23.8	13288	2987	6644	1494	3986	896	7.1	4.75	4.5	3.04	4.9	3.29	5	5	3
755	29.7	16610	3734	8305	1867	4983	1120	8.8	5.94	5.7	3.81	6.1	4.11	6	6	3
906	35.7	19932	4481	9966	2240	5980	1344	10.6	7.12	6.8	4.57	7.3	4.93	7	7	4
1057	41.6	23254	5227	11627	2614	6976	1568	12.4	8.31	7.9	5.33	8.6	5.75	8	8	4
1208	47.6	26576	5974	13288	2987	7973	1792	14.1	9.50	9.1	6.09	9.8	6.58	9	9	5
1359	53.5	29898	6721	14949	3361	8969	2016	15.9	10.69	10.2	6.85	11.0	7.40	10	10	5
1510	59.4	33220	7468	16610	3734	9966	2240	17.7	11.87	11.3	7.61	12.2	8.22	11	11	6
1661	65.4	36542	8215	18271	4107	10963	2464	19.4	13.06	12.5	8.37	13.5	9.04	12	12	6
1812	71.3	39864	8961	19932	4481	11959	2688	21.2	14.25	13.6	9.13	14.7	9.86	13	13	7
1963	77.3	43186	9708	21593	4854	12956	2912	23.0	15.44	14.7	9.89	15.9	10.69	14	14	7
Additional standard belt widths are available in steps of 151.0 mm (5.94 in). Additional non-standard belt widths are available in steps of 33.6 mm (1.32 in).																
2567	101.1	56474	12695	28237	6348	16942	3809	30.0	20.18	19.3	12.94	20.8	13.97	18	18	9
Additional standard belt widths are available in steps of 151.0 mm (5.94 in). Additional non-standard belt widths are available in steps of 33.6 mm (1.32 in).																
2869	113.0	63118	14189	31559	7094	18935	4257	33.6	22.56	21.5	14.46	23.2	15.62	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

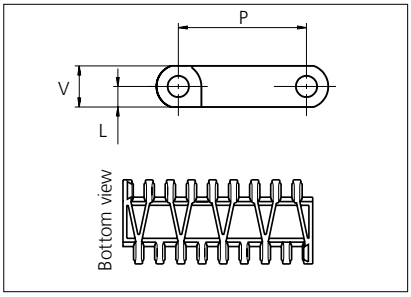
= Single Link

NON STANDARD
STRAIGHT RUNNING
PITCH 50.0 MM/1.97 IN

EN

Plastic Modular Belt

Series **uni OPB 4V** Type **Vacuum**



Straight running belt
Nominal pitch: 50.0 mm (1.97 in)
Surface type: Flat
Surface opening: ø5.5 mm (0.22 in)
Backflex radius: 75.0 mm (3.00 in)
Pin diameter: 8 mm (1.97 in)

*uni-chains recommends this travel direction. However. travel in both directions is possible.

Recommended belt material & color	POM-D W
Recommended pin and lock material & color	PP W

	mm	in		mm	in
P (Nominal)	50.0	1.97	**V**	16.0	0.63
L	8.0	0.31	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H Rodlock: PP W Endlock: PP W G B and PE W B
Lockpin: PE W PA6.6 N PP W Pin: PP W PE W SS304 and SS316

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
151	5.9	3322	747	1661	373	997	224	1.8	1.19	1.1	0.76	1.2	0.82	2	2	2
302	11.9	6644	1494	3322	747	1993	448	3.5	2.37	2.3	1.52	2.4	1.64	3	3	2
453	17.8	9966	2240	4983	1120	2990	672	5.3	3.56	3.4	2.28	3.7	2.47	4	4	2
604	23.8	13288	2987	6644	1494	3986	896	7.1	4.75	4.5	3.04	4.9	3.29	5	5	3
755	29.7	16610	3734	8305	1867	4983	1120	8.8	5.94	5.7	3.81	6.1	4.11	6	6	3
906	35.7	19932	4481	9966	2240	5980	1344	10.6	7.12	6.8	4.57	7.3	4.93	7	7	4
1057	41.6	23254	5227	11627	2614	6976	1568	12.4	8.31	7.9	5.33	8.6	5.75	8	8	4
1208	47.6	26576	5974	13288	2987	7973	1792	14.1	9.50	9.1	6.09	9.8	6.58	9	9	5
1359	53.5	29898	6721	14949	3361	8969	2016	15.9	10.69	10.2	6.85	11.0	7.40	10	10	5
1510	59.4	33220	7468	16610	3734	9966	2240	17.7	11.87	11.3	7.61	12.2	8.22	11	11	6
1661	65.4	36542	8215	18271	4107	10963	2464	19.4	13.06	12.5	8.37	13.5	9.04	12	12	6
1812	71.3	39864	8961	19932	4481	11959	2688	21.2	14.25	13.6	9.13	14.7	9.86	13	13	7
1963	77.3	43186	9708	21593	4854	12956	2912	23.0	15.44	14.7	9.89	15.9	10.69	14	14	7
Additional standard belt widths are available in steps of 151.0 mm (5.94 in). Additional non-standard belt widths are available in steps of 33.6 mm (1.32 in).																
2567	101.1	56474	12695	28237	6348	16942	3809	30.0	20.18	19.3	12.94	20.8	13.97	18	18	9
Additional standard belt widths are available in steps of 151.0 mm (5.94 in). Additional non-standard belt widths are available in steps of 33.6 mm (1.32 in).																
2869	113.0	63118	14189	31559	7094	18935	4257	33.6	22.56	21.5	14.46	23.2	15.62	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request
*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)

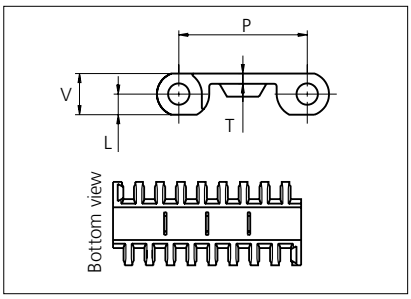
= Single Link

NON STANDARD
STRAIGHT RUNNING
PITCH 50.0 MM/1.97 IN

EN

Plastic Modular Belt

Series **uni OPB 4** Type **C**



Straight running belt
Nominal pitch: 50.0 mm (1.97 in)
Surface type: Flat
Surface opening: Closed
Backflex radius: 75.0 mm (3.00 in)
Pin diameter: 8 mm (1.97 in)

*uni-chains recommends this travel direction. However, travel in both directions is possible.

Recommended belt material & color	POM-D **W**
Recommended pin and lock material & color	PP **W**

	mm	in		mm	in
P (Nominal)	50.0	1.97	**V**	16.0	0.63
L	8.0	0.31	**T**	4.0	0.16

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H
Rodlock: PP **W**
Endlock: PP **W** **G** **B** and PE **W** **B**
Lockpin: PE **W** PA6.6 **N** PP **W**
Pin: PP **W** PE **W** SS304 and SS316

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
118	4.6	1298	292	649	146	389	88	1.4	0.93	0.9	0.59	1.0	0.64	2	2	2
151	5.9	1661	373	831	187	498	112	1.8	1.19	1.1	0.76	1.2	0.82	2	2	2
185	7.3	2035	457	1018	229	611	137	2.2	1.45	1.4	0.93	1.5	1.01	2	2	2
302	11.9	3322	747	1661	373	997	224	3.5	2.37	2.3	1.52	2.4	1.64	3	3	2
453	17.8	4983	1120	2492	560	1495	336	5.3	3.56	3.4	2.28	3.7	2.47	4	4	2
604	23.8	6644	1494	3322	747	1993	448	7.1	4.75	4.5	3.04	4.9	3.29	5	5	3
755	29.7	8305	1867	4153	933	2492	560	8.8	5.94	5.7	3.81	6.1	4.11	6	6	3
906	35.7	9966	2240	4983	1120	2990	672	10.6	7.12	6.8	4.57	7.3	4.93	7	7	4
1057	41.6	11627	2614	5814	1307	3488	784	12.4	8.31	7.9	5.33	8.6	5.75	8	8	4
1208	47.6	13288	2987	6644	1494	3986	896	14.1	9.50	9.1	6.09	9.8	6.58	9	9	5
1359	53.5	14949	3361	7475	1680	4485	1008	15.9	10.69	10.2	6.85	11.0	7.40	10	10	5
1510	59.4	16610	3734	8305	1867	4983	1120	17.7	11.87	11.3	7.61	12.2	8.22	11	11	6
1661	65.4	18271	4107	9136	2054	5481	1232	19.4	13.06	12.5	8.37	13.5	9.04	12	12	6
Additional standard belt widths are available in steps of 151.0 mm (5.94 in). Additional non-standard belt widths are available in steps of 33.6 mm (1.32 in)																
2567	101.1	28237	6348	14119	3174	8471	1904	30.0	20.18	19.3	12.94	20.8	13.97	18	18	9
Additional standard belt widths are available in steps of 151.0 mm (5.94 in). Additional non-standard belt widths are available in steps of 33.6 mm (1.32 in)																
2869	113.0	31559	7094	15780	3547	9468	2128	33.6	22.56	21.5	14.46	23.2	15.62	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)

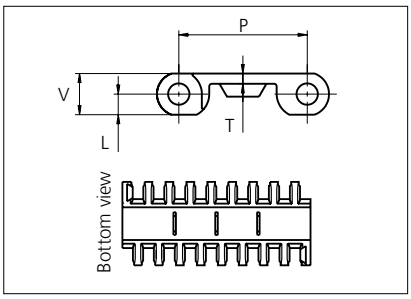
= Single Link

NON STANDARD
STRAIGHT RUNNING
PITCH 50.0 MM/1.97 IN

EN

Plastic Modular Belt

Series **uni OPB 4** Type **Vacuum**



Straight running belt
Nominal pitch: 50.0 mm (1.97 in)
Surface type: Flat
Surface opening: ø5.5 mm (0.22 in)
Backflex radius: 75.0 mm (3.00 in)
Pin diameter: 8 mm (1.97 in)

*uni-chains recommends this travel direction.
However, travel in both directions is possible.

Recommended belt material & color	POM-D **W**
Recommended pin and lock material & color	PP **W**

	mm	in		mm	in
P (Nominal)	50.0	1.97	**V**	16.0	0.63
L	8.0	0.31	**T**	4.0	0.16

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H Rodlock: PP **W** Endlock: PP **W** **G** **B** and PE **W** **B**
Lockpin: PE **W** PA6.6 **N** PP **W** Pin: PP **W** PE **W** SS304 and SS316

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
151	5.9	1661	373	831	187	498	112	1.8	1.19	1.1	0.76	1.2	0.82	2	2	2
302	11.9	3322	747	1661	373	997	224	3.5	2.37	2.3	1.52	2.4	1.64	3	3	2
453	17.8	4983	1120	2492	560	1495	336	5.3	3.56	3.4	2.28	3.7	2.47	4	4	2
604	23.8	6644	1494	3322	747	1993	448	7.1	4.75	4.5	3.04	4.9	3.29	5	5	3
755	29.7	8305	1867	4153	933	2492	560	8.8	5.94	5.7	3.81	6.1	4.11	6	6	3
906	35.7	9966	2240	4983	1120	2990	672	10.6	7.12	6.8	4.57	7.3	4.93	7	7	4
1057	41.6	11627	2614	5814	1307	3488	784	12.4	8.31	7.9	5.33	8.6	5.75	8	8	4
1208	47.6	13288	2987	6644	1494	3986	896	14.1	9.50	9.1	6.09	9.8	6.58	9	9	5
1359	53.5	14949	3361	7475	1680	4485	1008	15.9	10.69	10.2	6.85	11.0	7.40	10	10	5
1510	59.4	16610	3734	8305	1867	4983	1120	17.7	11.87	11.3	7.61	12.2	8.22	11	11	6
1661	65.4	18271	4107	9136	2054	5481	1232	19.4	13.06	12.5	8.37	13.5	9.04	12	12	6
1812	71.3	19932	4481	9966	2240	5980	1344	21.2	14.25	13.6	9.13	14.7	9.86	13	13	7
1963	77.3	21593	4854	10797	2427	6478	1456	23.0	15.44	14.7	9.89	15.9	10.69	14	14	7
Additional standard belt widths are available in steps of 151.0 mm (5.94 in). Additional non-standard belt widths are available in steps of 33.6 mm (1.32 in).																
2567	101.1	28237	6348	14119	3174	8471	1904	30.0	20.18	19.3	12.94	20.8	13.97	18	18	9
Additional standard belt widths are available in steps of 151.0 mm (5.94 in). Additional non-standard belt widths are available in steps of 33.6 mm (1.32 in).																
2869	113.0	31559	7094	15780	3547	9468	2128	33.6	22.56	21.5	14.46	23.2	15.62	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

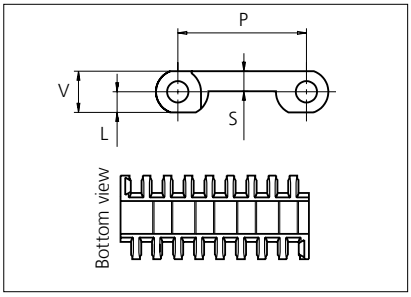
= Single Link

uni chains

EN

Plastic Modular Belt

Series **uni OPB 8** Type **C**



Straight running belt
Nominal pitch: 50.0 mm (1.97 in)
Surface type: Flat
Surface opening: Closed
Backflex radius: 75.0 mm (3.00 in)
Pin diameter: 8 mm (1.97 in)

*uni-chains recommends this travel direction.
However. travel in both directions is possible.

Recommended belt material & color	POM-D W
Recommended pin and lock material & color	PP W

	mm	in		mm	in
P (Nominal)	50.0	1.97	**V**	16.0	0.63
L	8.0	0.31	**S**	7.8	0.31

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H Rodlock: PP W Endlock: PP W G B and PE W B
Lockpin: PE W PA6.6 N PP W Pin: PP W PE W SS304 and SS316

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
118	4.6	2596	584	1298	292	779	175	1.3	0.89	0.9	0.59	1.0	0.64	2	2	2
151	5.9	3322	747	1661	373	997	224	1.7	1.14	1.1	0.76	1.2	0.82	2	2	2
185	7.3	4070	915	2035	457	1221	274	2.1	1.39	1.4	0.93	1.5	1.01	2	2	2
302	11.9	6644	1494	3322	747	1993	448	3.4	2.27	2.3	1.52	2.4	1.64	3	3	2
453	17.8	9966	2240	4983	1120	2990	672	5.1	3.41	3.4	2.28	3.7	2.47	4	4	2
604	23.8	13288	2987	6644	1494	3986	896	6.8	4.55	4.5	3.04	4.9	3.29	5	5	3
755	29.7	16610	3734	8305	1867	4983	1120	8.5	5.68	5.7	3.81	6.1	4.11	6	6	3
906	35.7	19932	4481	9966	2240	5980	1344	10.1	6.82	6.8	4.57	7.3	4.93	7	7	4
1057	41.6	23254	5227	11627	2614	6976	1568	11.8	7.96	7.9	5.33	8.6	5.75	8	8	4
1208	47.6	26576	5974	13288	2987	7973	1792	13.5	9.09	9.1	6.09	9.8	6.58	9	9	5
1359	53.5	29898	6721	14949	3361	8969	2016	15.2	10.23	10.2	6.85	11.0	7.40	10	10	5
1510	59.4	33220	7468	16610	3734	9966	2240	16.9	11.37	11.3	7.61	12.2	8.22	11	11	6
1661	65.4	36542	8215	18271	4107	10963	2464	18.6	12.50	12.5	8.37	13.5	9.04	12	12	6

Additional standard belt widths are available in steps of 151.0 mm (5.94 in). Additional non-standard belt widths are available in steps of 33.6 mm (1.32 in).

2567	101.1	56474	12695	28237	6348	16942	3809	28.8	19.32	19.3	12.94	20.8	13.97	18	18	9

Additional standard belt widths are available in steps of 151.0 mm (5.94 in). Additional non-standard belt widths are available in steps of 33.6 mm (1.32 in).

2869	113.0	63118	14189	31559	7094	18935	4257	32.1	21.59	21.5	14.46	23.2	15.62	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)

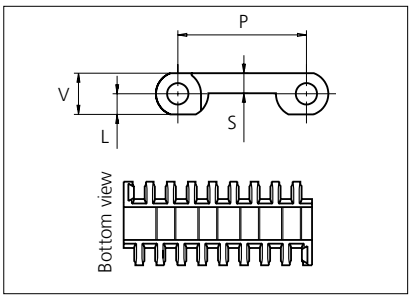
= Single Link

NON STANDARD
STRAIGHT RUNNING
PITCH 50.0 MM/1.97 IN

EN

Plastic Modular Belt

Series **uni OPB 8** Type **20%**



Straight running belt
Nominal pitch: 50.0 mm (1.97 in)
Surface type: Flat
Surface opening: 20%
Backflex radius: 75.0 mm (3.00 in)
Pin diameter: 8 mm (1.97 in)

*uni-chains recommends this travel direction. However. travel in both directions is possible.

Recommended belt material & color	POM-D W
Recommended pin and lock material & color	PP W

	mm	in		mm	in
P (Nominal)	50.0	1.97	**V**	16.0	0.63
L	8.0	0.31	**S**	7.8	0.31

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H Rodlock: PP W Endlock: PP W G B and PE W B
Lockpin: PE W PA6.6 N PP W Pin: PP W PE W SS304 and SS316

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
118	4.6	2596	584	1298	292	779	175	1.2	0.80	0.8	0.55	0.9	0.58	2	2	2
151	5.9	3322	747	1661	373	997	224	1.5	1.02	1.0	0.70	1.1	0.74	2	2	2
185	7.3	4070	915	2035	457	1221	274	1.9	1.26	1.3	0.86	1.4	0.91	2	2	2
302	11.9	6644	1494	3322	747	1993	448	3.1	2.05	2.1	1.40	2.2	1.48	3	3	2
453	17.8	9966	2240	4983	1120	2990	672	4.6	3.07	3.1	2.10	3.3	2.22	4	4	2
604	23.8	13288	2987	6644	1494	3986	896	6.1	4.10	4.2	2.80	4.4	2.96	5	5	3
755	29.7	16610	3734	8305	1867	4983	1120	7.6	5.12	5.2	3.50	5.5	3.70	6	6	3
906	35.7	19932	4481	9966	2240	5980	1344	9.2	6.15	6.3	4.20	6.6	4.44	7	7	4
1057	41.6	23254	5227	11627	2614	6976	1568	10.7	7.17	7.3	4.90	7.7	5.19	8	8	4
1208	47.6	26576	5974	13288	2987	7973	1792	12.2	8.20	8.3	5.60	8.8	5.93	9	9	5
1359	53.5	29898	6721	14949	3361	8969	2016	13.7	9.22	9.4	6.30	9.9	6.67	10	10	5
1510	59.4	33220	7468	16610	3734	9966	2240	15.3	10.25	10.4	7.00	11.0	7.41	11	11	6
1661	65.4	36542	8215	18271	4107	10963	2464	16.8	11.27	11.5	7.70	12.1	8.15	12	12	6
Additional standard belt widths are available in steps of 151.0 mm (5.94 in.) Additional non-standard belt widths are available in steps of 33.6 mm (1.32 in.)																
2567	101.1	56474	12695	28237	6348	16942	3809	25.9	17.42	17.7	11.90	18.7	12.59	18	18	9
Additional standard belt widths are available in steps of 151.0 mm (5.94 in.) Additional non-standard belt widths are available in steps of 33.6 mm (1.32 in.)																
2869	113.0	63118	14189	31559	7094	18935	4257	29.0	19.47	19.8	13.30	20.9	14.08	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)
**Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)

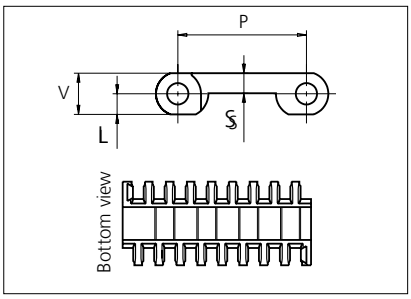
= Single Link

NON STANDARD
STRAIGHT RUNNING
PITCH 50.0 MM/1.97 IN

EN

Plastic Modular Belt

Series **uni OPB 8** Type **25%**



Straight running belt
Nominal pitch: 50.0 mm (1.97 in)
Surface type: Flat
Surface opening: 25%
Backflex radius: 75.0 mm (3.00 in)
Pin diameter: 8 mm (1.97 in)

*uni-chains recommends this travel direction.
However. travel in both directions is possible.

Recommended belt material & color	POM-D W
Recommended pin and lock material & color	PP W

	mm	in		mm	in
P (Nominal)	50.0	1.97	**V**	16.0	0.63
L	8.0	0.31	**S**	7.8	0.31

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H Rodlock: PP W Endlock: PP W G B and PE W B
Lockpin: PE W PA6.6 N PP W Pin: PP W PE W SS304 and SS316

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
118	4.6	2596	584	1298	292	779	175	1.2	0.80	0.8	0.55	0.9	0.58	2	2	2
151	5.9	3322	747	1661	373	997	224	1.5	1.02	1.0	0.70	1.1	0.74	2	2	2
185	7.3	4070	915	2035	457	1221	274	1.9	1.26	1.3	0.86	1.4	0.91	2	2	2
302	11.9	6644	1494	3322	747	1993	448	3.1	2.05	2.1	1.40	2.2	1.48	3	3	2
453	17.8	9966	2240	4983	1120	2990	672	4.6	3.07	3.1	2.10	3.3	2.22	4	4	2
604	23.8	13288	2987	6644	1494	3986	896	6.1	4.10	4.2	2.80	4.4	2.96	5	5	3
755	29.7	16610	3734	8305	1867	4983	1120	7.6	5.12	5.2	3.50	5.5	3.70	6	6	3
906	35.7	19932	4481	9966	2240	5980	1344	9.2	6.15	6.3	4.20	6.6	4.44	7	7	4
1057	41.6	23254	5227	11627	2614	6976	1568	10.7	7.17	7.3	4.90	7.7	5.19	8	8	4
1208	47.6	26576	5974	13288	2987	7973	1792	12.2	8.20	8.3	5.60	8.8	5.93	9	9	5
1359	53.5	29898	6721	14949	3361	8969	2016	13.7	9.22	9.4	6.30	9.9	6.67	10	10	5
1510	59.4	33220	7468	16610	3734	9966	2240	15.3	10.25	10.4	7.00	11.0	7.41	11	11	6
1661	65.4	36542	8215	18271	4107	10963	2464	16.8	11.27	11.5	7.70	12.1	8.15	12	12	6
Additional standard belt widths are available in steps of 151.0 mm (5.94 in). Additional non-standard belt widths are available in steps of 33.6 mm (1.32 in).																
2567	101.1	56474	12695	28237	6348	16942	3809	25.9	17.42	17.7	11.90	18.7	12.59	18	18	9
Additional standard belt widths are available in steps of 151.0 mm (5.94 in). Additional non-standard belt widths are available in steps of 33.6 mm (1.32 in).																
2869	113.0	63118	14189	31559	7094	18935	4257	29.0	19.47	19.8	13.30	20.9	14.08	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

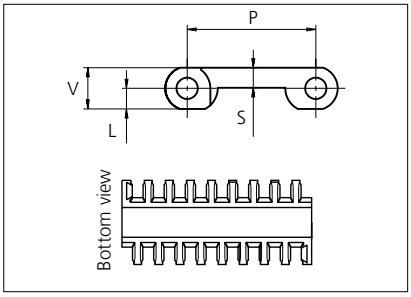
= Single Link

NON STANDARD
STRAIGHT RUNNING
PITCH 50.0 MM/1.97 IN

EN

Plastic Modular Belt

Series **uni OPB 8P** Type **C**



Straight running belt
Nominal pitch: 50.0 mm (1.97 in)
Surface type: Flat
Surface opening: Closed
Backflex radius: 75.0 mm (3.00 in)
Pin diameter: 8 mm (1.97 in)

*uni-chains recommends this travel direction.
However. travel in both directions is possible.

Recommended belt material & color	POM-D **W**
Recommended pin and lock material & color	PP **W**

	mm	in		mm	in
P (Nominal)	50.0	1.97	**V**	16.0	0.63
L	8.0	0.31	**S**	7.8	0.31

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H Rodlock: PP **W** Endlock: PP **W** **G** **B** and PE **W** **B**
Lockpin: PE **W** PA6.6 **N** PP **W** Pin: PP **W** PE **W** SS304 and SS316

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
151	5.9	3322	747	1661	373	997	224	1.8	1.19	1.1	0.76	1.2	0.82	2	2	2
185	7.3	4070	915	2035	457	1221	274	2.2	1.45	1.4	0.93	1.5	1.01	2	2	2
302	11.9	6644	1494	3322	747	1993	448	3.5	2.37	2.3	1.52	2.4	1.64	3	3	2
453	17.8	9966	2240	4983	1120	2990	672	5.3	3.56	3.4	2.28	3.7	2.47	4	4	2
604	23.8	13288	2987	6644	1494	3986	896	7.1	4.75	4.5	3.04	4.9	3.29	5	5	3
755	29.7	16610	3734	8305	1867	4983	1120	8.8	5.94	5.7	3.81	6.1	4.11	6	6	3
906	35.7	19932	4481	9966	2240	5980	1344	10.6	7.12	6.8	4.57	7.3	4.93	7	7	4
1057	41.6	23254	5227	11627	2614	6976	1568	12.4	8.31	7.9	5.33	8.6	5.75	8	8	4
1208	47.6	26576	5974	13288	2987	7973	1792	14.1	9.50	9.1	6.09	9.8	6.58	9	9	5
1359	53.5	29898	6721	14949	3361	8969	2016	15.9	10.69	10.2	6.85	11.0	7.40	10	10	5
1510	59.4	33220	7468	16610	3734	9966	2240	17.7	11.87	11.3	7.61	12.2	8.22	11	11	6
1661	65.4	36542	8215	18271	4107	10963	2464	19.4	13.06	12.5	8.37	13.5	9.04	12	12	6
1812	71.3	39864	8961	19932	4481	11959	2688	21.2	14.25	13.6	9.13	14.7	9.86	13	13	7
Additional standard belt widths are available in steps of 151.0 mm (5.94 in). Additional non-standard belt widths are available in steps of 33.6 mm (1.32 in).																
2567	101.1	56474	12695	28237	6348	16942	3809	30.0	20.18	19.3	12.94	20.8	13.97	18	18	9
Additional standard belt widths are available in steps of 151.0 mm (5.94 in). Additional non-standard belt widths are available in steps of 33.6 mm (1.32 in).																
2869	113.0	63118	14189	31559	7094	18935	4257	33.6	22.56	21.5	14.46	23.2	15.62	20	20	10

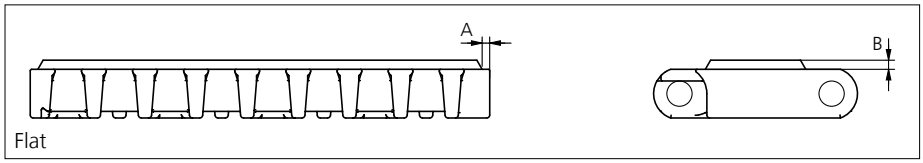
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf).
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

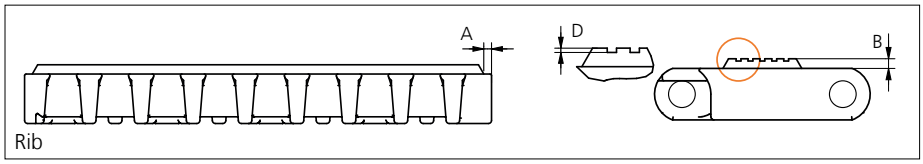
= Single Link

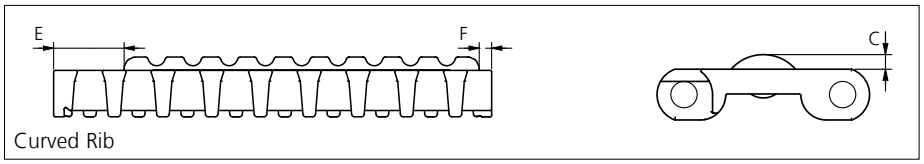
NON STANDARD
STRAIGHT RUNNING
PITCH 50.0 MM/1.97 IN

Accessories

Rubber Top







Type	Belt Material & color	Rubber Material & color	A		B		C		D		E		F		Link size	Width	
			mm	in	mm	in	mm	in	mm	in	mm	in	mm	in		mm	in
Flat	POM-LF BR	03 N	2.5	0.10	3.0	0.12	4.5	0.18	0.7	0.03	24.0	0.94	4.0	0.16	K600	150.5	5.93
Rib	POM-D W																
Curved Rib	POM-D W	03 K															

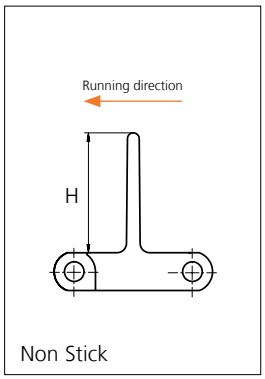
Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

Accessories

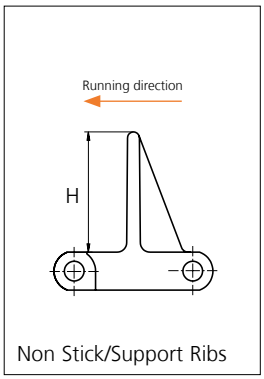
Flight


Non Stick


Non Stick/Support Ribs



Non Stick



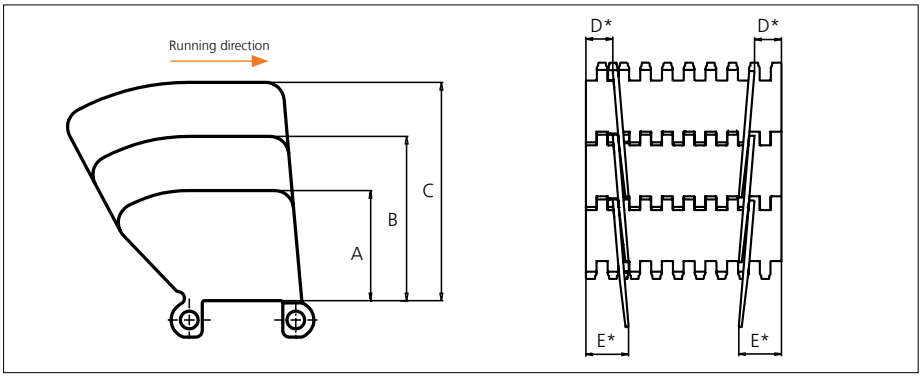
Non Stick/Support Ribs

Type	Recommended Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-HW B	50.8	2.00	K600	151.0	5.94	0.0	0.00
Non Stick/ Support Ribs		76.2	3.00					
		101.6	4.00					

Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard

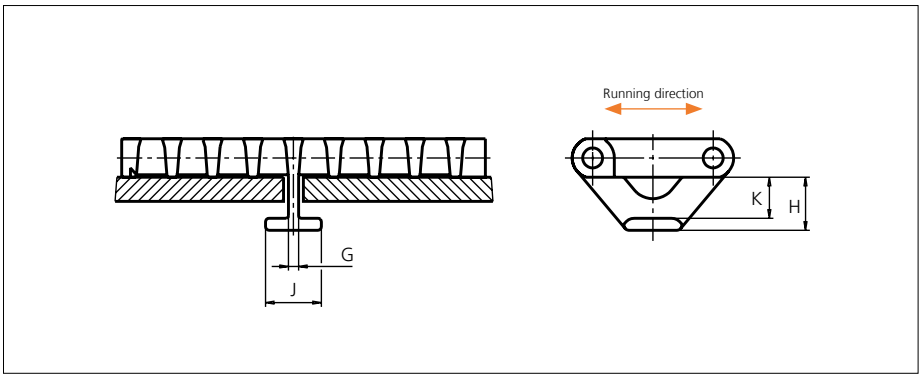


Type	Recommended Material & color	A		B		C		D*		E*	
		mm	in	mm	in	mm	in	mm	in	mm	in
Closed	PP-HW B	51.8	2.04	77.2	3.04	102.6	4.04	21.0	0.83	34.0	1.34

* Min. indent Increment : 8.4 mm (0.33 in)
Note: Backflex radius when side guard are used: 200.0 mm (7.90 in)
Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab

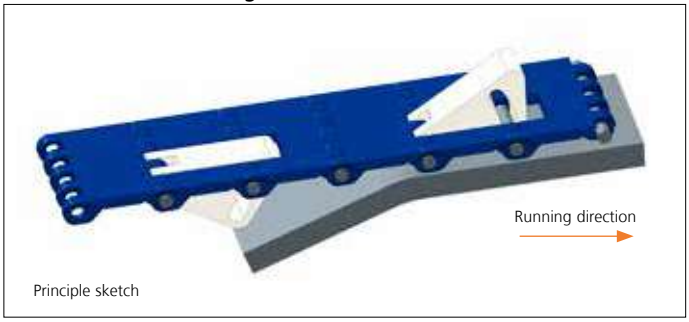


Type	Recommended Material & color	G		H		J		K	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D N	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67
	POM-LF B								
	PP W								

Non Standard material and color: See uni Material and Color Overview.

Accessories

Non Standard uni AmFlight

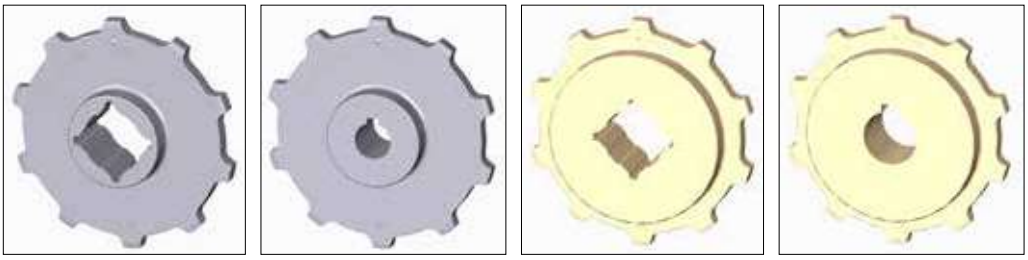


Other Non Standard option: See uni AmFlight Overview.

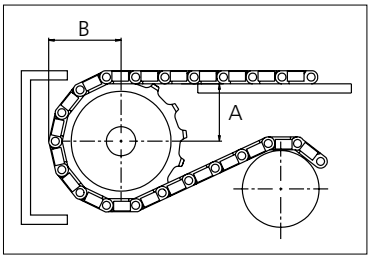
Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	LG PA6 Molded	N PA6 Machined
	Pilot Bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
		mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in	mm	in				
Z06	x					●	●	●	■	●■				89.1	3.51	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x	
Z08	x					●	●	●	■	●■				120.9	4.76	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x	
Z10	x						●	●	●■	●■				153.0	6.02	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x	
Z12	x						●	●	●■	●■				185.5	7.30	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x	
Z13	x						●		■	●■				201.0	7.91	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x	
Z13												■		201.0	7.91	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x
Z16	x						●		■	●■		■		250.8	9.87	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x

■ **Molded sprocket** ● **Molded sprocket** ■ **Machined sprocket** ● **Machined sprocket**



Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request.
Two-part sprocket are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet
Width of tooth = 11.0 mm (0.43 in)
Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.
For more detailed sprocket information, contact Customer Service.

Paso de 50.0 mm (1.97 pulgadas)

uni L-SNB – La banda para transporte pesado con superficie abierta y reforzada (rib)

La banda de paso 2 pulgadas uni Large SNB está diseñada para aplicaciones pesadas en diversas industrias. Su superficie única reduce la fricción y el contacto de los productos con la banda, e incrementa el paso de aire. La banda uni L-SNB presenta una opción de mallas de refuerzo única que permite el control del paso en aplicaciones de alta temperatura.

La banda uni L-SNB mejora el funcionamiento en las siguientes industrias/aplicaciones:

- Cárnicas, incluyendo líneas de microondas, de enfriamiento y de congelación
- Fruta y verdura, incluyendo líneas de desecado, enfriamiento y congelación
- Pasta, incluyendo escaldadores, pasteurizadores y líneas de refrigeración
- Bebidas, incluyendo mesas de acumulación, pasteurizadores y paletizadoras
- Fabricación de latas, incluyendo mesas de acumulación, manipulación masiva, paletizadoras, llenado de baterías y líneas de carga

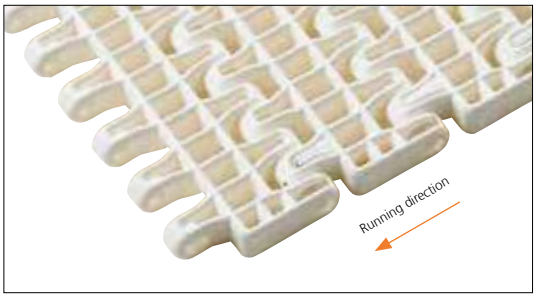
Características del producto y ventajas de funcionamiento:

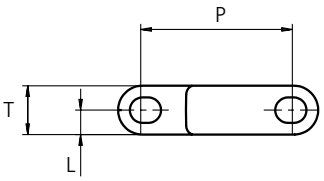
- Menor fricción y contacto con el producto – para cocinar, enfriar y congelar productos fácilmente
- Área abierta amplia para un drenaje fácil
- Las mallas de refuerzo en acero inoxidable evitan el alargamiento por temperatura de la banda
- Limpieza fácil que permite reducir el mantenimiento y los tiempos muertos
- Peines para una transferencia sin problemas
- Radio pequeño de contra flexión para transportadores más ajustados

EN

Plastic Modular Belt

Serie **uni L-SNB** Type **36%**





Straight Running
Nominal pitch: 50.0 mm (1.97 in)
Surface type: Flat
Surface opening: 36%
Backflex radius: 70.0 mm (2.80 in)
Pin diameter: 8.0 mm (0.31 in)

Belt material & color	PP **W**
Pin and lock material & color	PP **W** PP **W**

	mm	in		mm	in
P (Nominal)	50.0	1.97	**L**	8.0	0.31
T	16.0	0.63	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PE **W** SS304 PP **G**

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP		PP				
mm	in	N	lbf	kg/m	lb/ft		**Carry (pcs)	**Return (pcs)
153	6.0	2678	602	1.5	1.01	2	2	2
229	9.0	4009	901	2.2	1.51	2	2	2
305	12.0	5340	1200	3.0	2.01	3	3	2
381	15.0	6671	1500	3.7	2.51	3	3	2
457	18.0	8003	1799	4.5	3.01	4	4	2
533	21.0	9334	2098	5.2	3.51	4	4	2
609	24.0	10665	2398	6.0	4.01	5	5	3
686	27.0	11996	2697	6.7	4.51	5	5	3
762	30.0	13328	2996	7.5	5.02	6	6	3
838	33.0	14659	3295	8.2	5.52	6	6	3
914	36.0	15990	3595	9.0	6.02	7	7	4
990	39.0	17322	3894	9.7	6.52	7	7	4
Additional standard belt widths are available in steps of 76.1 mm (3.00 in).								
1980	78.0	34650	7789	19.4	13.04	14	14	7
Additional standard belt widths are available in steps of 76.1 mm (3.00 in).								
2969	116.9	51958	11680	29.1	19.55	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material PP with snub roller 2000 N (450 lbf), PP without snub roller 1250 N (281 lbf)
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)
***Load capacity per row of reinforcement links in the belt: 2500 N (562 lbf)
***Example: Belt with 8 rows of reinforcement links, permissible load is 8 x 2500 N (562 lbf) = 20000 N (4496 lbf)
= Single Link

uni chains

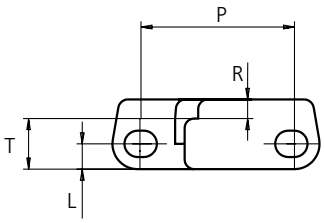
STANDARD
STRAIGHT RUNNING
PITCH 50.0 MM/1.97 IN

EN

Plastic Modular Belt

Serie **uni L-SNB** Type **Rib 36%**

Photo will be updated



Straight running belt
Nominal pitch: 50.0 mm (1.97 in)
Surface type: Rib Top
Surface opening: 36%
Backflex radius: 140.0 mm (5.50 in)
Pin diameter: 8.0 mm (0.31 in)

Belt material & color	PP G	PP-HW LB
Pin and lock material & color	PP W / PP G	PP-HW LB / PP-HW LB

	mm	in		mm	in
P (Nominal)	50.0	1.97	**T**	16.0	0.63
R	6.0	0.23	**L**	8.0	0.31

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PE W SS304

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP-HW/PP		PP-HW/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
153	6.0	4559	1025	1.5	1.01	2	2	2
229	9.0	6826	1535	2.2	1.51	2	2	2
305	12.0	9093	2044	3.0	2.01	3	3	2
381	15.0	11360	2554	3.7	2.51	3	3	2
457	18.0	13627	3063	4.5	3.01	4	4	2
533	21.0	15894	3573	5.2	3.51	4	4	2
609	24.0	18161	4083	6.0	4.01	5	5	3
686	27.0	20428	4592	6.7	4.51	5	5	3
762	30.0	22695	5102	7.5	5.02	6	6	3
838	33.0	24962	5611	8.2	5.52	6	6	3
914	36.0	27229	6121	9.0	6.02	7	7	4
990	39.0	29496	6631	9.7	6.52	7	7	4
Additional standard belt widths are available in steps of 76.1 mm (3.00 in)								
1980	78.0	59004	13264	19.4	13.04	14	14	7
Additional standard belt widths are available in steps of 76.1 mm (3.00 in)								
2969	116.9	88476	19889	29.1	19.55	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: PP-HW with snub roller 2000 N (450 lbf), PP-HW without snub roller 1250 N (281 lbf)
**Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)
***Load capacity per row of reinforcement links in the belt: 2500 N (562 lbf)
***Example: Belt with 8 rows of reinforcement links, permissible load is 8 x 2500 N (562 lbf) = 20000 N (4496 lbf)
= Single Link

uni chains

STANDARD
STRAIGHT RUNNING
PITCH 50.0 MM/1.97 IN

Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/One way	Double row/Two way	LG PA6 Molded	PA6 Machined
	Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54													
		mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in	mm	in				
Z06	x						●	●	■●	●				92.5	3.64	100.0	3.94	70.0	2.76	35.3	1.39	58.0	2.28	x		x	
Z08	x						●	●	■●	●				128.7	5.07	130.7	5.15	70.0	2.76	52.4	2.06	73.3	2.89	x		x	
Z10	x						●	●	■●	●				159.8	6.29	161.8	6.37	70.0	2.76	68.9	2.71	88.9	3.50	x		x	
Z10												■		159.8	6.29	161.8	6.37	120.0	4.72	68.9	2.71	88.9	3.50	x			x
Z12	x						●		■	●				192.5	7.58	193.2	7.61	70.0	2.76	85.3	3.36	104.6	4.12	x		x	
Z12												■		192.5	7.58	193.2	7.61	120.0	4.72	85.3	3.36	104.6	4.12	x			x
Z16	x						●		■	●■		■		257.3	10.13	256.3	10.09	120.0	4.72	117.7	4.63	126.1	4.96	x			x

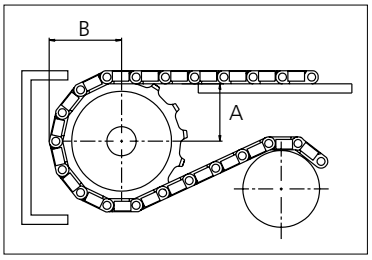
■ **Molded sprocket**

● **Molded sprocket**

■ **Machined sprocket**

● **Machined sprocket**

Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request.
Two-part sprocket are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet
Width of tooth = 7.0 mm (0.28 in)
Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni L-SNB.
For more detailed sprocket information, contact Customer Service.

Paso de 25.4 mm (1.00 pulgadas)

uni Flex SNB – banda de giro lateral con radio ajustado

uni Flex SNB de paso de 1 pulgada se creó para optimizar el movimiento en operaciones de mucho volumen y con limitaciones de espacio. Esta banda tiene una fuerza y unas características de giro únicas, que permiten aplicaciones muy diferentes.

La banda uni Flex SNB ha mejorado el rendimiento en las siguientes industrias/aplicaciones:

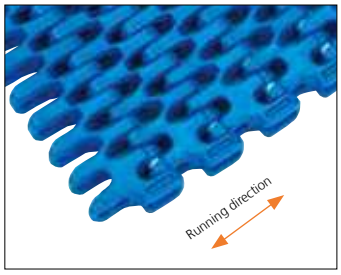
- Cárnica y avícola, incluyendo transporte de bandejas, manipulado de cajas, alimentación/salida de congeladores, espirales de baja tensión y otras aplicaciones en curva
- Fruta y verdura, incluyendo líneas de llenado, enlatado y aplicaciones inclinadas
- Panadería, incluyendo líneas de enfriamiento, manipulado de bandejas, probadores, entrada/salida del horno
- Bebidas, incluyendo transporte de cajas, túneles de envasado y aplicaciones inclinadas
- Enlatado, incluyendo manipulación masiva, transportadores de transferencia y transportadores de alimentación de palés

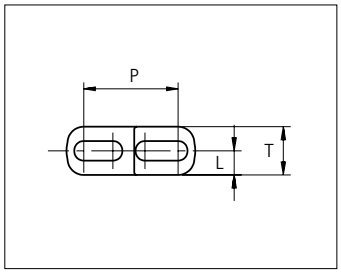
Características del producto y ventajas de funcionamiento:

- Aplicaciones de giro lateral de 180° a velocidad alta
- Alta resistencia al desgaste y a la temperatura
- Aplicaciones con radios ajustados, para espacios reducidos
- Sistema único de cierre (sin posibilidad de que se salgan los pasadores)
- Superficie achaflanada para un contacto mínimo con el producto y menor fricción
- Eslabones de refuerzo en acero inoxidable para más fuerza, carga o velocidad

Plastic Modular Belt

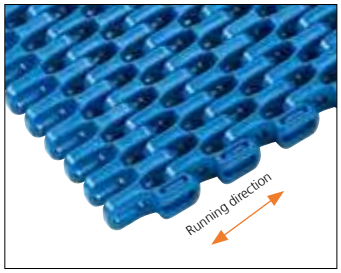
Series **uni Flex SNB**

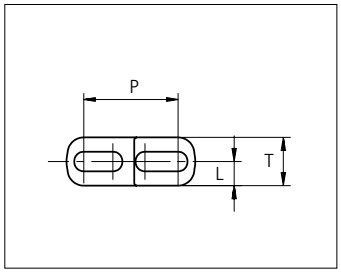




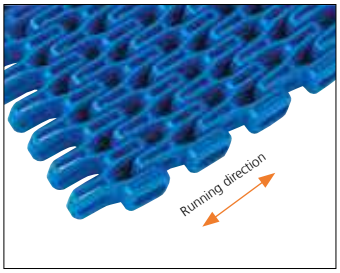
Sideflexing belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: 47%/55%
Backflex radius: 25.0 mm (0.98 in)
Pin diameter: 5.0 mm (0.20 in)
Min. inside radius: R1.6 x belt width. R2.3 x belt width

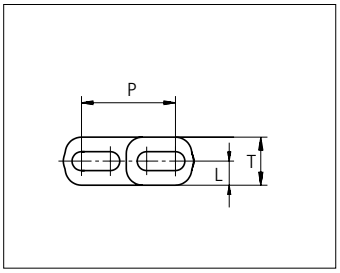
uni Flex SNB CR R1.6
Surface Opening: 47%



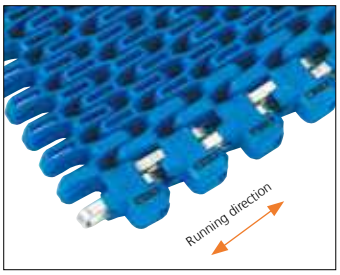


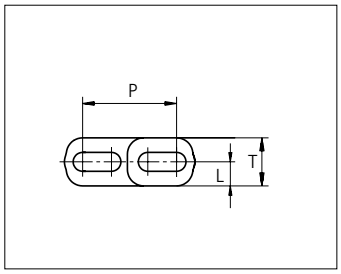
uni Flex SNB C R2.3
Surface Opening: 47%



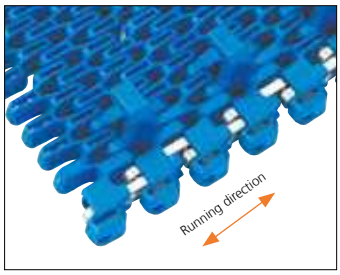


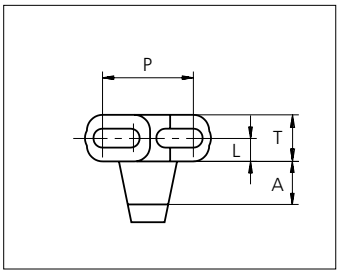
uni Flex SNB L R2.3
Surface Opening: 55%



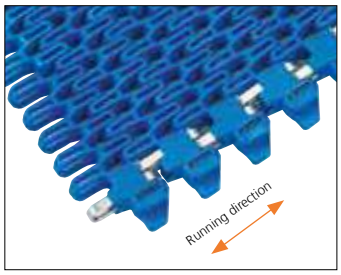


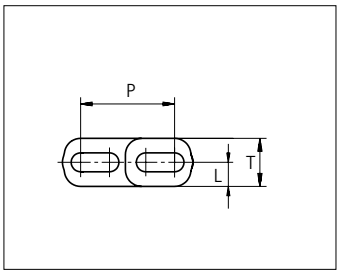
uni Flex SNB W R2.3
Surface Opening: 55%





uni Flex SNB WT R2.3
Surface Opening: 55%





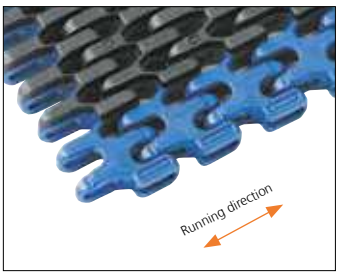
uni Flex SNB WO R2.3
Surface Opening: 55%

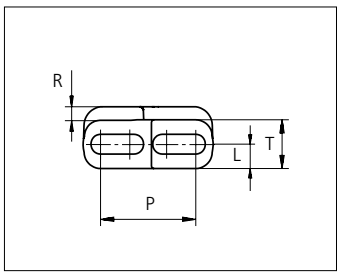
	mm	in		mm	in
P (Nominal)	25.4	1.00	**L**	6.5	0.26
A	12.0	0.47	**T**	13.0	0.51

STANDARD

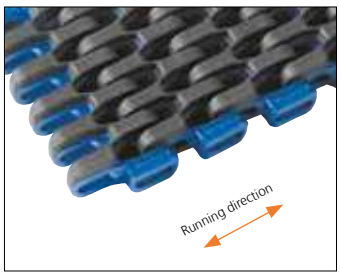
SIDE FLEXING

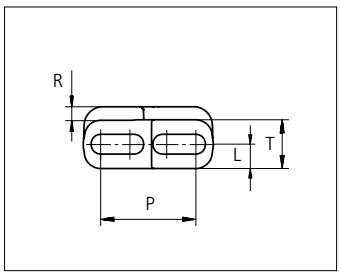
PITCH 25.4 MM/1.00 IN



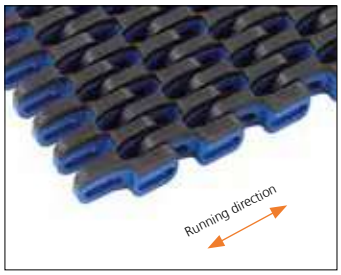


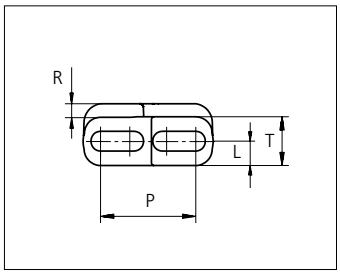
uni Flex SNB CR Rubber Top R1.6
Surface Opening: 47%





uni Flex SNB CI Rubber Top R2.3
Surface Opening: 47%





uni Flex SNB C Rubber Top R2.3
Surface Opening: 47%

	mm	in		mm	in
P (Nominal)	25.4	1.00	**R**	3.0	0.12
L	6.5	0.26	**T**	13.0	0.51

Indent uni Flex SNB CR Rubber Top R1.6 is 26.5 mm (1.04 in). uni Flex SNB CI Rubber Top R2.3 is 7.0 mm (0.28 in).
uni Flex SNB C Rubber Top R2.3 is available without indent.

Type	Belt materials and colors	Pin materials and colors
uni Flex SNB CR R1.6 **uni Flex SNB C R2.3** **uni Flex SNB L R2.3***	POM-D **B** **W**	PBT **LG**
	PP **B** **W**	
	PA6.6 **B** **W**	
uni Flex SNB W **uni Flex SNB WO**	PA6.6 **B** **W**	SS304
uni Flex SNB WT	PA6.6 **B** **W**	SS304
		PBT **LG**
uni Flex SNB CR Rubber Top R1.6 **uni Flex SNB CI Rubber Top R2.3** **uni Flex SNB C Rubber Top R2.3**	PP **B** + 03 **K**	PBT **LG**
	PP **W** + 03 **N**	

Standard materials and colors

Lockingplates PA6.6 + PP **W** **B**

Wearpart and O-Tab PA6.6 **W** **B**

For high speed or load abrasive applications:

Wearpart and O-Tab POM-DK **Y**

Non standard material and color: See uni Material and Color Overview.

Alternative pin materials: PA6.6 **B** **N**

uni Flex SNB CR R1.6

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PBT				PP/PBT				PA6.6/PBT				POM-D /PBT		PP/PBT		PA6.6/PBT			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections										
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
153	6.0	4590	1032	600	135	2295	516	600	135	4590	1032	600	135	1.2	0.79	0.8	0.56	1.0	0.66	2	2	2
229	9.0	6870	1544	600	135	3435	772	600	135	6870	1544	600	135	1.8	1.19	1.2	0.83	1.5	0.98	2	2	2
305	12.0	9150	2057	600	135	4575	1028	600	135	9150	2057	600	135	2.3	1.58	1.6	1.11	2.0	1.31	3	3	2
381	15.0	11430	2569	600	135	5715	1285	600	135	11430	2569	600	135	2.9	1.97	2.1	1.38	2.4	1.64	3	3	2
457	18.0	13710	3082	600	135	6855	1541	600	135	13710	3082	600	135	3.5	2.36	2.5	1.66	2.9	1.97	5	4	2
534	21.0	16020	3601	600	135	8010	1801	600	135	16020	3601	600	135	4.1	2.76	2.9	1.94	3.4	2.30	5	4	2
610	24.0	18300	4114	600	135	9150	2057	600	135	18300	4114	600	135	4.7	3.16	3.3	2.21	3.9	2.62	5	5	3
686	27.0	20580	4626	600	135	10290	2313	600	135	20580	4626	600	135	5.3	3.55	3.7	2.49	4.4	2.95	5	5	3
762	30.0	22860	5139	600	135	11430	2569	600	135	22860	5139	600	135	5.9	3.94	4.1	2.77	4.9	3.28	7	6	3
838	33.0	25140	5651	600	135	12570	2826	600	135	25140	5651	600	135	6.5	4.34	4.5	3.04	5.4	3.60	7	6	3
914	36.0	27420	6164	600	135	13710	3082	600	135	27420	6164	600	135	7.0	4.73	4.9	3.32	5.8	3.93	7	7	4
990	39.0	29700	6677	600	135	14850	3338	600	135	29700	6677	600	135	7.6	5.12	5.3	3.59	6.3	4.26	7	7	4
1067	42.0	32010	7196	600	135	16005	3598	600	135	32010	7196	600	135	8.2	5.52	5.8	3.87	6.8	4.59	9	8	4
1143	45.0	34290	7708	600	135	17145	3854	600	135	34290	7708	600	135	8.8	5.91	6.2	4.15	7.3	4.92	9	8	4

Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
Flex SNB-CR locked with wearpart or O-tabs both sides are 6.0 mm (0.24 in) wider than the dimensions in the table above.
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf). PP 850 N (191 lbf). PA6.6 1000 N (225 lbf).
**Max. Spacing between wear strips. Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

uni Flex SNB C R2.3 / uni Flex SNB L R2.3

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PBT				PP/PBT				PA6.6/PBT						PP/PBT		PA6.6/PBT			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections										
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
76	3.0	2280	513	1000	225	1140	256	600	135	2280	513	1000	225	0.5	0.35	0.4	0.25	0.4	0.30	2	2	2
152	6.0	4561	1025	1000	225	2281	513	600	135	4561	1025	1000	225	1.0	0.71	0.7	0.49	0.9	0.59	2	2	2
228	9.0	6842	1538	1000	225	3421	769	600	135	6842	1538	1000	225	1.6	1.06	1.1	0.74	1.3	0.89	2	2	2
304	12.0	9124	2051	1000	225	4562	1025	600	135	9124	2051	1000	225	2.1	1.41	1.5	0.98	1.8	1.19	3	3	2
380	15.0	11405	2564	1000	225	5702	1282	600	135	11405	2564	1000	225	2.6	1.76	1.8	1.23	2.2	1.48	3	3	2
456	18.0	13686	3077	1000	225	6843	1538	600	135	13686	3077	1000	225	3.1	2.12	2.2	1.47	2.6	1.78	5	4	2
532	21.0	15967	3589	1000	225	7984	1795	600	135	15967	3589	1000	225	3.7	2.47	2.6	1.72	3.1	2.07	5	4	2
608	23.9	18248	4102	1000	225	9124	2051	600	135	18248	4102	1000	225	4.2	2.82	2.9	1.96	3.5	2.37	5	5	3
684	26.9	20530	4615	1000	225	10265	2308	600	135	20530	4615	1000	225	4.7	3.17	3.3	2.21	4.0	2.67	5	5	3
760	29.9	22811	5128	1000	225	11405	2564	600	135	22811	5128	1000	225	5.2	3.53	3.6	2.45	4.4	2.96	7	6	3
836	32.9	25092	5641	1000	225	12546	2820	600	135	25092	5641	1000	225	5.8	3.88	4.0	2.70	4.9	3.26	7	6	3
912	35.9	27373	6153	1000	225	13687	3077	600	135	27373	6153	1000	225	6.3	4.23	4.4	2.94	5.3	3.56	7	7	4
988	38.9	29654	6666	1000	225	14827	3333	600	135	29654	6666	1000	225	6.8	4.58	4.7	3.19	5.7	3.85	7	7	4
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)																						
1597	62.9	47910	10770	1000	225	23955	5385	600	135	47910	10770	1000	225	11.0	7.41	7.7	5.15	9.3	6.22	11	11	6
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)																						
1977	77.8	59310	13333	1000	225	29655	6666	600	135	59310	13333	1000	225	13.6	9.17	9.5	6.38	11.5	7.71	15	14	7

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
Flex SNB-L locked with wearpart or O-tabs both sides are 6.0 mm (0.24 in) wider than the dimensions in the table above.
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf). PP 850 N (191 lbf). PA6.6 1000 N (225 lbf).
**Max. Spacing between wear strips. Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

uni Flex SNB W R2.3 / uni Flex SNB WO R2.3

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/SS+ Reinforcement links				PP/SS+ Reinforcement links				PA6.6/SS+ Reinforcement links				POM-D/SS+ Reinforcement links		PP/SS+ Reinforcement links		PA6.6/SS+ Reinforcement links			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections										
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
235	9.3	7050	1585	3300	742	3525	792	3300	742	7050	1585	3300	742	2.8	1.91	2.4	1.58	2.6	1.74	2	2	2
311	12.2	9330	2097	3300	742	4665	1049	3300	742	9330	2097	3300	742	3.8	2.53	3.1	2.09	3.4	2.30	3	3	2
387	15.2	11610	2610	3300	742	5805	1305	3300	742	11610	2610	3300	742	4.7	3.15	3.9	2.60	4.3	2.86	3	3	2
463	18.2	13890	3122	3300	742	6945	1561	3300	742	13890	3122	3300	742	5.6	3.77	4.6	3.11	5.1	3.42	5	4	2
540	21.3	16200	3642	3300	742	8100	1821	3300	742	16200	3642	3300	742	6.5	4.39	5.4	3.63	5.9	3.99	5	4	2
616	24.3	18480	4154	3300	742	9240	2077	3300	742	18480	4154	3300	742	7.5	5.01	6.2	4.14	6.8	4.55	5	5	3
692	27.2	20760	4667	3300	742	10380	2333	3300	742	20760	4667	3300	742	8.4	5.63	6.9	4.65	7.6	5.12	5	5	3
768	30.2	23040	5179	3300	742	11520	2590	3300	742	23040	5179	3300	742	9.3	6.25	7.7	5.16	8.4	5.68	7	6	3
844	33.2	25320	5692	3300	742	12660	2846	3300	742	25320	5692	3300	742	10.2	6.86	8.4	5.67	9.3	6.24	7	6	3
920	36.2	27600	6204	3300	742	13800	3102	3300	742	27600	6204	3300	742	11.1	7.48	9.2	6.18	10.1	6.80	7	7	4
996	39.2	29880	6717	3300	742	14940	3359	3300	742	29880	6717	3300	742	12.1	8.10	10.0	6.69	11.0	7.36	7	7	4
1073	42.2	32190	7236	3300	742	16095	3618	3300	742	32190	7236	3300	742	13.0	8.73	10.7	7.21	11.8	7.93	9	8	4
1149	45.2	34470	7749	3300	742	17235	3874	3300	742	34470	7749	3300	742	13.9	9.34	11.5	7.72	12.6	8.49	9	8	4
1149	45.2	34470	7749	3300	742	17235	3874	3300	742	34470	7749	3300	742	13.9	9.34	11.5	7.72	12.6	8.49	9	8	4
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)																						
1606	63.2	48180	10831	3300	742	24090	5415	3300	742	48180	10831	3300	742	19.4	13.06	16.1	10.79	17.7	11.87	11	11	6
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)																						
1986	78.2	59580	13394	3300	742	29790	6697	3300	742	59580	13394	3300	742	24.0	16.15	19.9	13.35	21.8	14.68	15	14	7

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
Outer modules are always in PA6.6 on belts wider than 234.0 mm (9.21 in).
Belts up to 234.0 mm (9.21 in) in width is only available in PA6.6.
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf). PP 850 N (191 lbf). PA6.6 1000 N (225 lbf).
**Max. Spacing between wear strips. Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

uni Flex SNB WT R2.3 – PBT pins

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PBT				PP/PBT				PA6.6/PBT				POM-D/PBT		PP/PBT		PA6.6/PBT			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections										
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
235	9.3	7050	1585	1000	225	3525	792	1000	225	7050	1585	1000	225	1.6	1.09	1.1	0.76	1.4	0.92	2	2	2
311	12.2	9330	2097	1000	225	4665	1049	1000	225	9330	2097	1000	225	2.1	1.44	1.5	1.00	1.8	1.21	3	3	2
387	15.2	11610	2610	1000	225	5805	1305	1000	225	11610	2610	1000	225	2.7	1.79	1.9	1.25	2.2	1.51	3	3	2
463	18.2	13890	3122	1000	225	6945	1561	1000	225	13890	3122	1000	225	3.2	2.15	2.2	1.49	2.7	1.80	5	4	2
540	21.3	16200	3642	1000	225	8100	1821	1000	225	16200	3642	1000	225	3.7	2.50	2.6	1.74	3.1	2.10	5	4	2
616	24.3	18480	4154	1000	225	9240	2077	1000	225	18480	4154	1000	225	4.3	2.86	3.0	1.99	3.6	2.40	5	5	3
692	27.2	20760	4667	1000	225	10380	2333	1000	225	20760	4667	1000	225	4.8	3.21	3.3	2.23	4.0	2.70	5	5	3
768	30.2	23040	5179	1000	225	11520	2590	1000	225	23040	5179	1000	225	5.3	3.56	3.7	2.48	4.5	2.99	7	6	3
844	33.2	25320	5692	1000	225	12660	2846	1000	225	25320	5692	1000	225	5.8	3.91	4.1	2.72	4.9	3.29	7	6	3
920	36.2	27600	6204	1000	225	13800	3102	1000	225	27600	6204	1000	225	6.3	4.27	4.4	2.97	5.3	3.59	7	7	4
996	39.2	29880	6717	1000	225	14940	3359	1000	225	29880	6717	1000	225	6.9	4.62	4.8	3.21	5.8	3.88	7	7	4
1073	42.2	32190	7236	1000	225	16095	3618	1000	225	32190	7236	1000	225	7.4	4.98	5.2	3.46	6.2	4.18	9	8	4
1149	45.2	34470	7749	1000	225	17235	3874	1000	225	34470	7749	1000	225	7.9	5.33	5.5	3.71	6.7	4.48	9	8	4
1225	48.2	36750	8261	1000	225	18375	4131	1000	225	36750	8261	1000	225	8.5	5.68	5.9	3.95	7.1	4.77	9	9	5
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).																						
1606	63.2	48180	10831	1000	225	24090	5415	1000	225	48180	10831	1000	225	11.1	7.45	7.7	5.18	9.3	6.26	11	11	6
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).																						
1986	78.2	59580	13394	1000	225	29790	6697	1000	225	59580	13394	1000	225	13.7	9.21	9.5	6.41	11.5	7.74	15	14	7

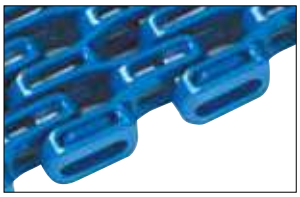
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
Outer modules are always in PA6.6 on belts wider than 234.0 mm (9.21 in).
Belts up to 234.0 mm (9.21 in) in width is only available in PA6.6.
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf). PP 850 N (191 lbf). PA6.6 1000 N (225 lbf).
**Max. Spacing between wear strips. Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

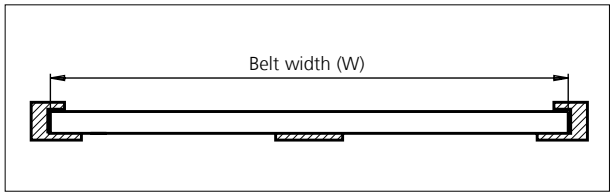
uni Flex SNB WT R2.3 – SS pins

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/SS +Reinforcement links				PP/SS +Reinforcement links				PA6.6/SS +Reinforcement links				POM-D/SS+ Reinforce-ment links		PP/SS+ Reinforce-ment links		PA6.6/SS+ Reinforce-ment links			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections										
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
235	9.3	7050	1585	3300	742	3525	792	3300	742	7050	1585	3300	742	2.8	1.91	2.4	1.58	2.6	1.74	2	2	2
311	12.2	9330	2097	3300	742	4665	1049	3300	742	9330	2097	3300	742	3.8	2.53	3.1	2.09	3.4	2.30	3	3	2
387	15.2	11610	2610	3300	742	5805	1305	3300	742	11610	2610	3300	742	4.7	3.15	3.9	2.60	4.3	2.86	3	3	2
463	18.2	13890	3122	3300	742	6945	1561	3300	742	13890	3122	3300	742	5.6	3.77	4.6	3.11	5.1	3.42	5	4	2
540	21.3	16200	3642	3300	742	8100	1821	3300	742	16200	3642	3300	742	6.5	4.39	5.4	3.63	5.9	3.99	5	4	2
616	24.3	18480	4154	3300	742	9240	2077	3300	742	18480	4154	3300	742	7.5	5.01	6.2	4.14	6.8	4.55	5	5	3
692	27.2	20760	4667	3300	742	10380	2333	3300	742	20760	4667	3300	742	8.4	5.63	6.9	4.65	7.6	5.12	5	5	3
768	30.2	23040	5179	3300	742	11520	2590	3300	742	23040	5179	3300	742	9.3	6.25	7.7	5.16	8.4	5.68	7	6	3
844	33.2	25320	5692	3300	742	12660	2846	3300	742	25320	5692	3300	742	10.2	6.86	8.4	5.67	9.3	6.24	7	6	3
920	36.2	27600	6204	3300	742	13800	3102	3300	742	27600	6204	3300	742	11.1	7.48	9.2	6.18	10.1	6.80	7	7	4
996	39.2	29880	6717	3300	742	14940	3359	3300	742	29880	6717	3300	742	12.1	8.10	10.0	6.69	11.0	7.36	7	7	4
1073	42.2	32190	7236	3300	742	16095	3618	3300	742	32190	7236	3300	742	13.0	8.73	10.7	7.21	11.8	7.93	9	8	4
1149	45.2	34470	7749	3300	742	17235	3874	3300	742	34470	7749	3300	742	13.9	9.34	11.5	7.72	12.6	8.49	9	8	4
1225	48.2	36750	8261	3300	742	18375	4131	3300	742	36750	8261	3300	742	14.8	9.96	12.3	8.23	13.5	9.06	9	9	5
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).																						
1606	63.2	48180	10831	3300	742	24090	5415	3300	742	48180	10831	3300	742	19.4	13.06	16.1	10.79	17.7	11.87	11	11	6
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).																						
1986	78.2	59580	13394	3300	742	29790	6697	3300	742	59580	13394	3300	742	24.0	16.15	19.9	13.35	21.8	14.68	15	14	7

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
Outer modules are always in PA6.6 on belts wider than 234.0 mm (9.21 in).
Belts up to 234.0 mm (9.21 in) in width is only available in PA6.6.
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf). PP 850 N (191 lbf). PA6.6 1000 N (225 lbf).
**Max. Spacing between wear strips. Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

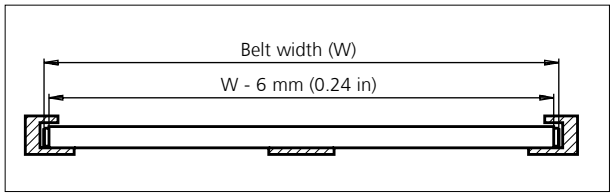
Belt Tracking og Control Systems





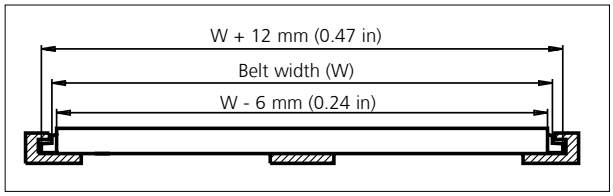
Basic belt types can be combined with the belt tracking and control systems below to enhance performance. Basic belt types can be combined with the belt tracking and control systems below to enhance performance.

uni Flex SNB L R2.3
Standard



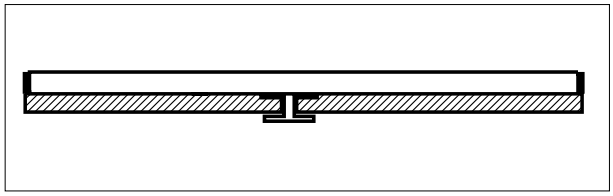
Wearpart system made of heat and wear resistant nylon to reduce the friction between belt edge and wearstrip. Only this part needs to be replaced when it has been worn out. not the entire belt.

Wearpart



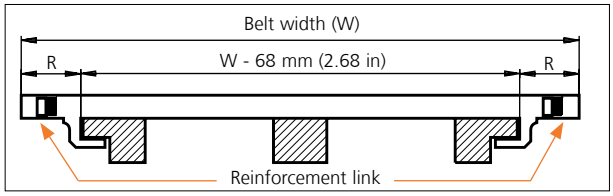
Outer edge tab system made of heat and wear resistant nylon to reduce the friction between belt edge and wearstrip. Using a slotted wear-strip. the O-Tab will track the belt and allow the conveyed products to be wider than the belt.
Height of O-Tab: 6.4 mm (0.25 in)
Height of slot: 8.0 mm (0.31 in)

O-Tab



Intermediate tabs (I-Tab) are placed on the bottom side of the belt to hold it down on incline conveyors. The intermediate tabs will fit anywhere across the belt bottom and at pitch multiples of 12.7 mm (0.50 in).

I-Tab



Side tab (S-Tab) for holding the belt down. Normally used for wide belts. With S-Tabs. Ammerral Beltech modular A/S recommend that the radial forces in the curve are transferred by the inside edge of the belt – similar to uni Flex SNB L and uni Flex SNB W.

R = 34.0 mm (1.34 in).

S-Tab

Type	Belt tracking and control combination			
	Wearpart	O-Tab	S-Tab	I-Tab
uni Flex SNB L R2.3	+	+	-	+
uni Flex SNB CR R1.6 uni Flex SNB C R2.3	+	+	-	-
uni Flex SNB W R2.3	✓	-	-	+
uni Flex SNB WT R2.3	-	-	✓	+
uni Flex SNB WO R2.3	-	✓	-	+

When using S-Tabs. please verify sufficient clearance to the shaft. Max. shaft diameter = Sprocket pitch diameter - 50.8 mm (2.00 in).

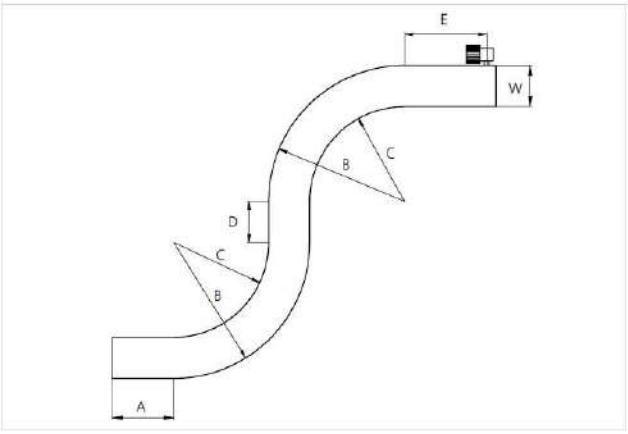
When using square shafts. please verify that the diagonal does not exceed max. diameter.

Example: Sprocket z = 10: Max. shaft diameter 82.2 - 50.8 = ø31 mm (3.24 - 2.00 = ø1.2 in).

✓ *Standard* + *Optional*

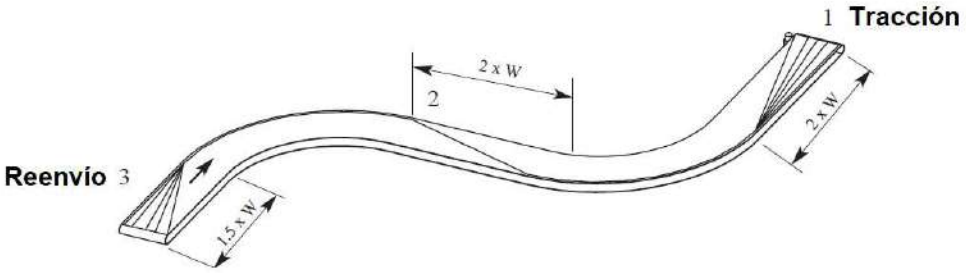
- *Unavailable*

Flex SNB - Tramos rectos y radios mínimos

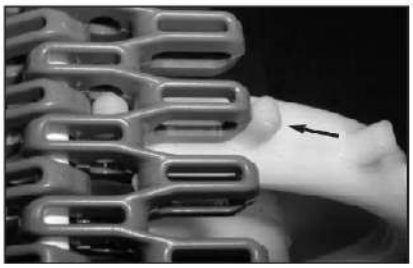


Modelos: Flex snb L - C - W - WT - WO - CI	Radio 2.3
A	min. 1.5 x W
B	min. 3.3 x W
C	min. 2.3 x W
D	min. 2 x W
E	min. 2 x W
W	Ancho banda

Modelos: Flex snb CR	Radio 1.6
A	min. 1.5 x W
B	min. 2.6 x W
C	min. 1.6 x W
D	min. 2 x W
E	min. 2 x W
W	Ancho banda

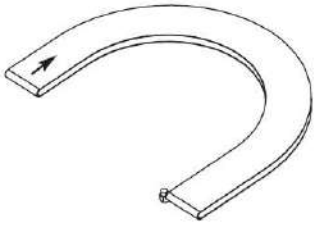


Colocación ruedas



Distintos temas de diseño de transportador Flex SNB

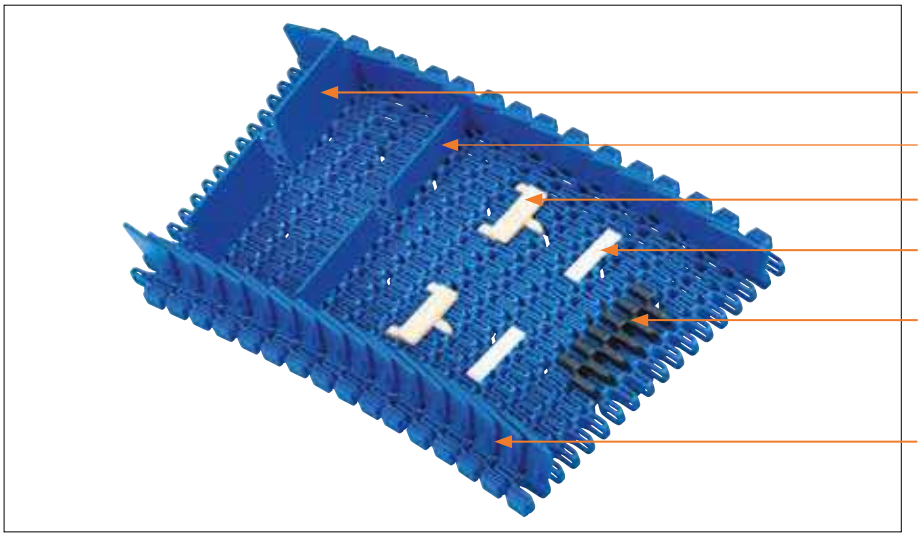
Diseño en L



Diseño en U

Diseño en C

Accessories



Accessories

Side Guard / Standard

Type	Belt material & color	Height	
		mm	in
Side Guard	PP-I B W	30.0	1.18

Accessories

Flight / Standard

Type	Belt material & color	Link size	Height		Width	
			mm	in	mm	in
Click on Flight Flat	PA6.6 B W	K300	25.4	1.00	75.9	2.99
	PP B W		50.8	2.00	75.9	2.99

Support / MTO

Type	Support material & color	H		Width		Length	
		mm	in	mm	in	mm	in
Rubber Support	01 N	4.0	0.16	43.0	1.69	14.0	0.55
Click on Flight Low	POM-D N	4.0	0.16	42.0	1.65	10.5	0.41

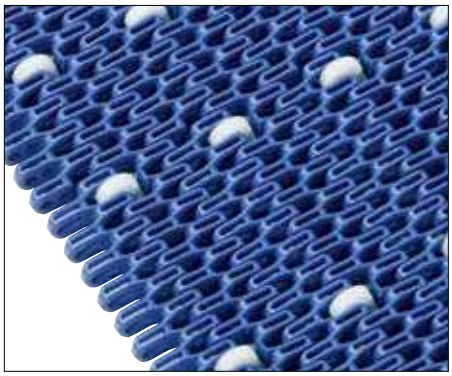
Accessories

Minimum Indents (I)

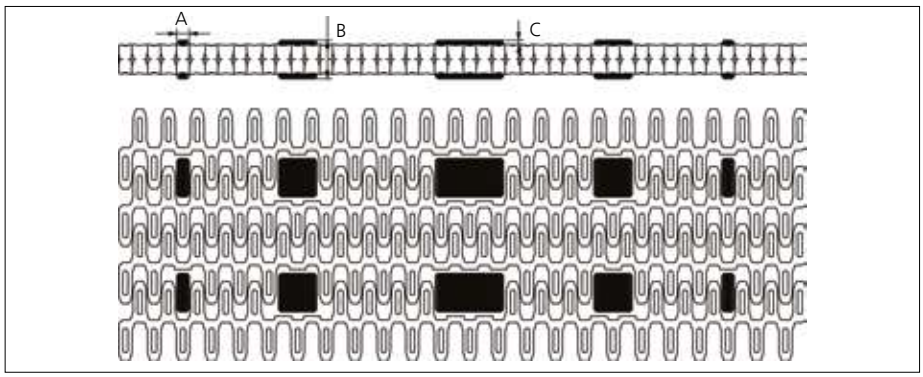
Type	Rubber Top				Side Guard				Click on Flights without Side Guard				Click on Flights with Side Guard			
	Left		Right		Left		Right		Left		Right		Left		Right	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
uni Flex SNB CR R1.6	26.5	1.04	26.5	1.04	-	-	-	-	-	-	-	-	-	-	-	-
uni Flex SNB L R2.3	-	-	-	-	23.0	0.91	17.0	0.67	10.0	0.39	16.0	0.63	26.0	1.02	32.0	1.26
uni Flex SNB C R2.3	6.5	0.26	6.5	0.26	-	-	-	-	-	-	-	-	-	-	-	-
uni Flex SNB W R2.3	75.9	2.99	75.9	2.99	38.0	1.50	32.0	1.26	38.0	1.50	32.0	1.26	54.0	2.13	48.0	1.89
uni Flex SNB WO R2.3	75.9	2.99	75.9	2.99	38.0	1.50	32.0	1.26	38.0	1.50	32.0	1.26	54.0	2.13	48.0	1.89
uni Flex SNB WT R2.3*	75.9	2.99	75.9	2.99	63.0	2.48	58.0	2.28	38.0	1.50	32.0	1.26	79.0	3.11	74.0	2.91
uni Flex SNB WT R2.3**	75.9	2.99	75.9	2.99	63.0	2.48	58.0	2.28	51.0	2.01	45.0	1.77	79.0	3.11	74.0	2.91

* Even distance between Click on Flight rows
** Odd distance between Click on Flight rows

Made-To-Order Selection



uni Flex SNB with Rollers
ø17 x 5.5 mm (ø0.67 x 0.22 in)



Made-To-Oder Materials: POM-D. PP. PA6.6 and Roller Material POM-D.
Non standard Roller material and color: See uni Material and Color verview.

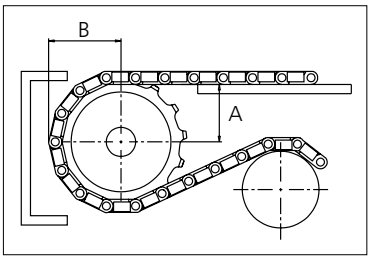
Type	Roller material & color	A		B		C	
		mm	in	mm	in	mm	in
Plastic	POM-D W	5.5	0.22	17.0	0.67	2.0	0.08
		17.0	0.67				
		30.0	1.18				

Sprocket

No. of teeth	Bore size								Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	PA6 LG Molded
	Pilot Bore	in	0.98	1.00	1.18	1.25	1.50	1.57												
		mm	25.0	25.4	30.0	31.8	38.1	40.0	mm	in	mm	in	mm	in	mm	in	mm	in		
Z09	✓		■	● ■	●	●			73.8	2.91	74.3	2.93	56.8	2.24	28.4	1.12	43.5	1.71	✓	✓
Z10	✓		■	● ■	●	●		●	82.2	3.24	82.2	3.24	65.2	2.57	32.6	1.28	47.5	1.87	✓	✓
Z12	✓			●	●	●	■	● ■	98.8	3.89	98.1	3.86	70.0	2.76	40.9	1.61	55.5	2.19	✓	✓
Z15	✓			●	●	●	■	● ■	123.5	4.86	122.2	4.81	70.0	2.76	53.2	2.09	67.5	2.66	✓	✓
Z18	✓				●	●	● ■	● ■	148.1	5.83	146.3	5.76	70.0	2.76	65.5	2.58	79.6	3.13	✓	✓
Z19	✓				●	●	● ■	● ■	156.2	6.15	154.3	6.07	70.0	2.76	69.6	2.74	83.6	3.29	✓	✓

■ Molded sprocket

● Molded sprocket



Non standard material and color: See uni Material and Color Overview.

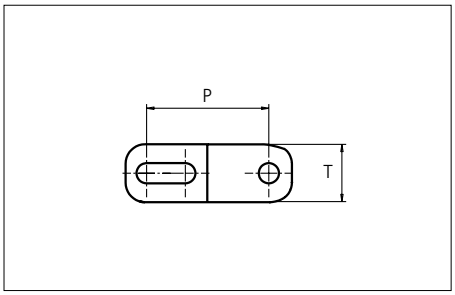
Other sprocket sizes are available upon request.
Two-part sprocket are available upon request.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet.
Width of tooth = 4.0 mm (0.16 in).
Width of sprocket = 25.0 mm (0.98 in).

Max. load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex ASB.
For more detailed sprocket information. contact Customer Service.

Plastic Modular Belt

Series **uni Flex ASB** Type **43% Open (Radius 1.6)**



Sideflexing belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: 43%
Backflex radius: 25.0 mm (0.98 in)
Pin diameter: 4.0 mm (0.16 in)
Min. inside radius: 1.6 x belt width

Belt material & color	POM-D B
Pin and lock material & color	PA6.6 B

	mm	in
P (Nominal)	25.4	1.00
T	12.0	0.47

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock systems and materials: Contact Customer Service.

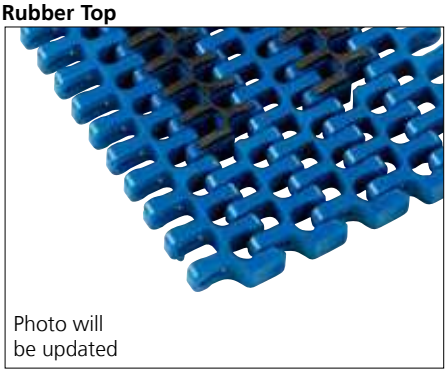
Belt width		Permissible tensile force (Belt/pin material)				Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections								
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
149	5.9	2801	630	1200	270	1863	419	720	162	1.2	0.82	0.8	0.52	2	2	2
226	8.9	4249	955	1200	270	2825	635	720	162	1.9	1.25	1.2	0.79	2	2	2
302	11.9	5678	1276	1200	270	3775	849	720	162	2.5	1.66	1.6	1.06	3	3	2
379	14.9	7125	1602	1200	270	4738	1065	720	162	3.1	2.09	2.0	1.32	3	3	2
455	17.9	8554	1923	1200	270	5688	1279	720	162	3.7	2.51	2.4	1.59	5	4	2
531	20.9	9983	2244	2040	459	6638	1492	1224	275	4.4	2.93	2.8	1.86	5	4	2
608	23.9	11430	2570	2040	459	7600	1708	1224	275	5.0	3.35	3.2	2.12	5	5	3
684	26.9	12859	2891	2040	459	8550	1922	1224	275	5.6	3.77	3.6	2.39	5	5	3
761	30.0	14307	3216	2040	459	9513	2138	1224	275	6.2	4.19	4.0	2.66	7	6	3
837	33.0	15736	3537	2040	459	10463	2352	1224	275	6.9	4.61	4.4	2.93	7	6	3
914	36.0	17183	3863	2040	459	11425	2568	1224	275	7.5	5.04	4.8	3.19	7	7	4
990	39.0	18612	4184	2040	459	12375	2782	1224	275	8.1	5.46	5.1	3.46	7	7	4
1066	42.0	20041	4505	2040	459	13325	2995	1224	275	8.7	5.87	5.5	3.73	9	8	4

Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request
*Max. Load per Drive Sprocket. Belt material: POM-D 2000 N (450 lbf), PP 1100 N (247 lbf)
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in)
= Single Link

STANDARD
SIDE FLEXING
PITCH 25.4 MM/1.00 IN

Accessories

Rubber Top

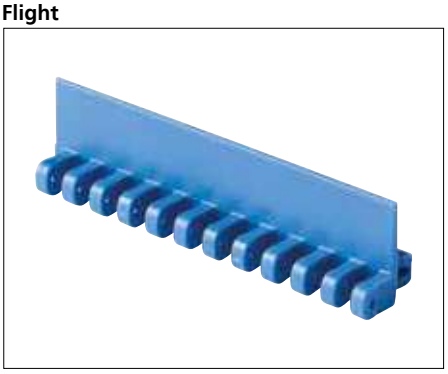


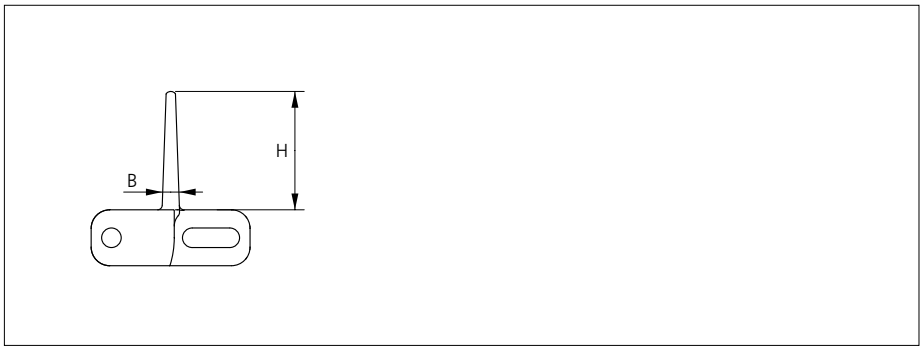
Type	Belt material & color	Rubber material, hardness & color	V	
			mm	in
Curved	PP B	TPE-S Shore A60 K	3.0	0.12

uni Flex ASB Rubber Top Radius 2.2: Indent min. 44.0 mm (1.73 in) and Increment 12.7 mm (0.50 in).

Accessories

Flight



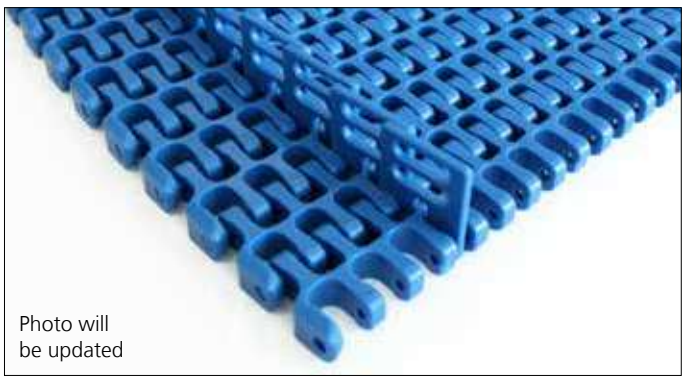


Type	Flight Material & color	B		H		Link size	Width	
		mm	in	mm	in		mm	in
Flat	POM-D B	3.7	0.15	25.4	1.00	K600	151.0	5.94

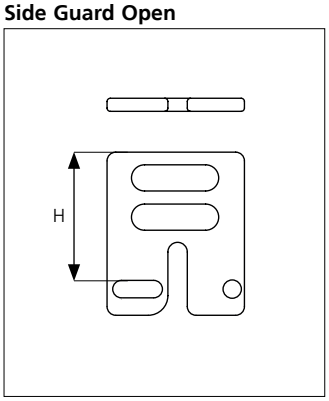
Min. indent for Flight is: 44.0 mm (1.73 in) and Increment 12.7 mm (0.50 in).
Non Standard material and color: See uni Material and Color Overview.

Accessories

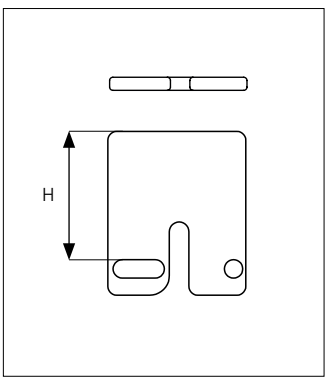
Side Guard



Side Guard Open



Side Guard Closed

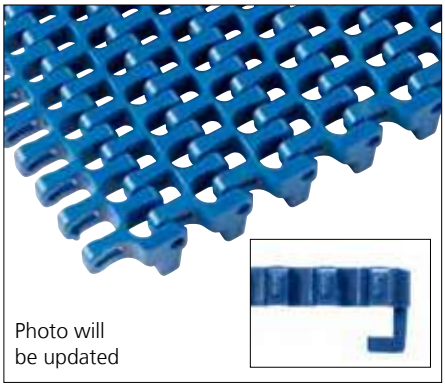


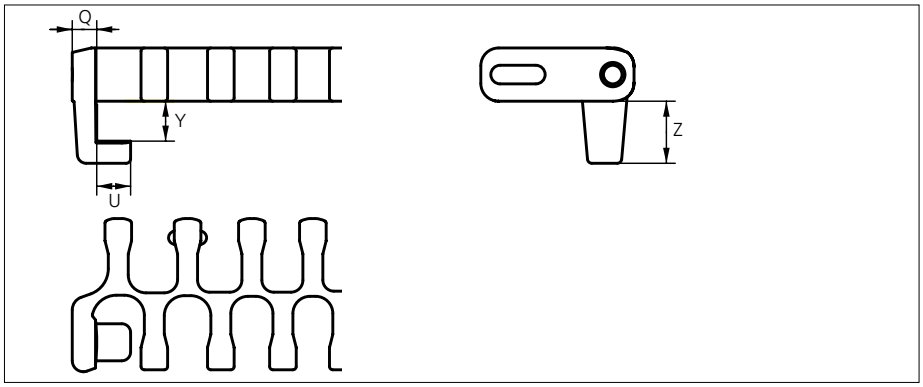
Type	Side Guard Material & color	H	
		mm	in
Side Guard Closed	POM-D B	25.4	1.00
Side Guard Open			

Min. indent for Side Guard is: 44.0 mm (1.73 in) and Increment 12.7 mm (0.50 in).
Non Standard material and color: See uni Material and Color Overview.

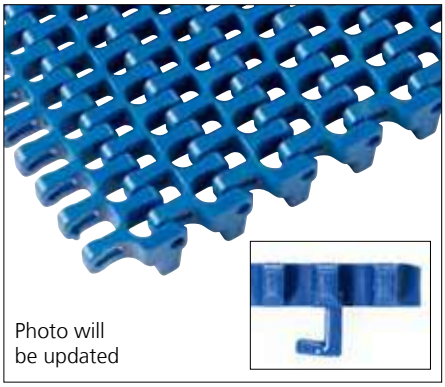
Accessories

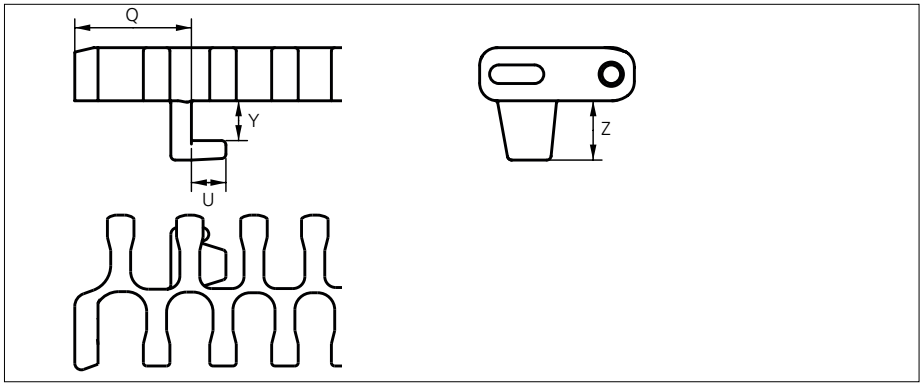
Bottom Tab





Bottom Tab IL Style

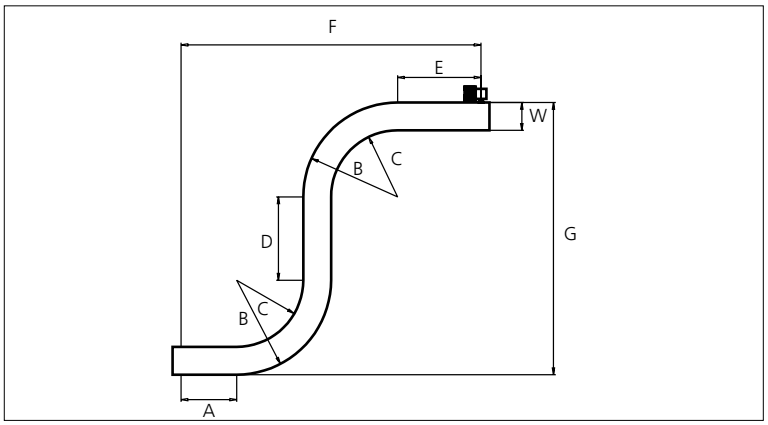




Type	Tab Material & color	Q		U		Y		Z	
		mm	in	mm	in	mm	in	mm	in
Bottom Tab	POM-D B	5.5	0.22	7.5	0.30	9.0	0.35	14.0	0.55
Bottom Tab IL Style	POM-D B	26.5	1.04	7.8	0.30	9.0	0.35	13.4	0.53

Non Standard material and color: See uni Material and Color Overview.
Tab position is available **only** at Radius 2.2.

Design Guidelines

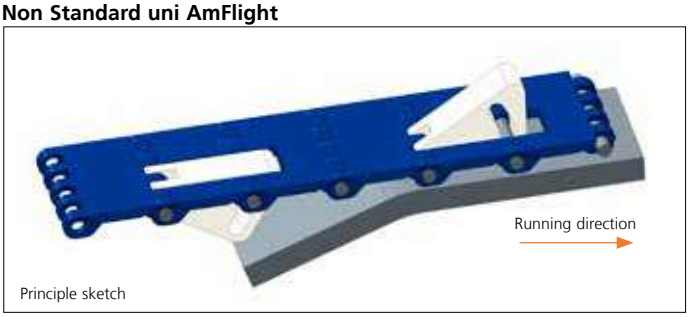


	uni Flex ASB R2.2	uni Flex ASB R1.6 (inside)
A	min. 1.5 x W	min. 1.5 x W
B	min. 3.2 x W	min. 2.6 x W
C	min. 2.2 x W	min. 1.6 x W
D	min. 2.0 x W	min. 2.0 x W
E	min. 2.0 x W	min. 2.0 x W
F	min. 8.9 x W	min. 7.7 x W
G	min. 8.4 x W	min. 7.2 x W

uni Flex ASB 43% Open Radius 1.6 can not be used in conveyors with both left and right turning curves.
All curves have to turn in the same direction. For min. conveyor dimensions please refer to sketch and diagram.

Accessories

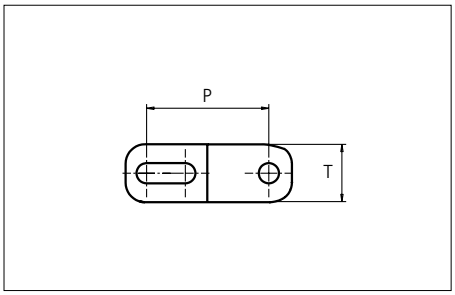
Non Standard uni AmFlight



Other Non Standard option: See uni AmFlight Overview.

Plastic Modular Belt

Series **uni Flex ASB** Type **43% Open (Radius 2.2)**



Sideflexing belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: 43%
Backflex radius: 25.0 mm (0.98 in)
Pin diameter: 4.0 mm (0.16 in)
Min. inside radius: 2.2 x belt width

Belt material & color	POM-D **W** **B**	PP **W** **B** **G**
Pin and lock material & color	PA6.6 **B**	

	mm	in
P (Nominal)	25.4	1.00
T	12.0	0.47

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock systems and materials: Contact Customer Service.

Belt width		Permissible tensile force (Belt/pin material)								Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections								
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
149	5.9	2801	630	1200	270	1863	419	720	162	1.2	0.82	0.8	0.52	2	2	2
162	6.4	3046	685	1200	270	2025	455	720	162	1.3	0.89	0.8	0.57	2	2	2
226	8.9	4249	955	1200	270	2825	635	720	162	1.9	1.25	1.2	0.79	2	2	2
302	11.9	5678	1276	1600	360	3775	849	960	216	2.5	1.66	1.6	1.06	3	3	2
379	14.9	7125	1602	1600	360	4738	1065	960	216	3.1	2.09	2.0	1.32	3	3	2
455	17.9	8554	1923	1600	360	5688	1279	960	216	3.7	2.51	2.4	1.59	5	4	2
531	20.9	9983	2244	2040	459	6638	1492	1224	275	4.4	2.93	2.8	1.86	5	4	2
608	23.9	11430	2570	2040	459	7600	1708	1224	275	5.0	3.35	3.2	2.12	5	5	3
684	26.9	12859	2891	2040	459	8550	1922	1224	275	5.6	3.77	3.6	2.39	5	5	3
761	30.0	14307	3216	2040	459	9513	2138	1224	275	6.2	4.19	4.0	2.66	7	6	3
837	33.0	15736	3537	2040	459	10463	2352	1224	275	6.9	4.61	4.4	2.93	7	6	3
914	36.0	17183	3863	2040	459	11425	2568	1224	275	7.5	5.04	4.8	3.19	7	7	4
Additional standard belt widths are available in steps of 76.4 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).																
1449	57.0	27241	6124	2040	459	18113	4072	1224	275	11.9	7.99	7.5	5.06	11	10	5
Additional standard belt widths are available in steps of 76.4 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).																
1984	78.1	37299	8385	2040	459	24800	5575	1224	275	16.3	10.93	10.3	6.93	15	14	7

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request
*Max. Load per Drive Sprocket. Belt material: POM-D 2000 N (450 lbf), PP 1100 N (247 lbf)
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in)
Max. Belt width with Flex ASB R1.6: 1296.0 mm (51.00 in)
= Single Link

Accessories

Rubber Top

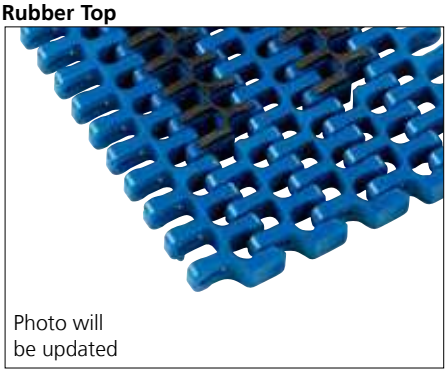
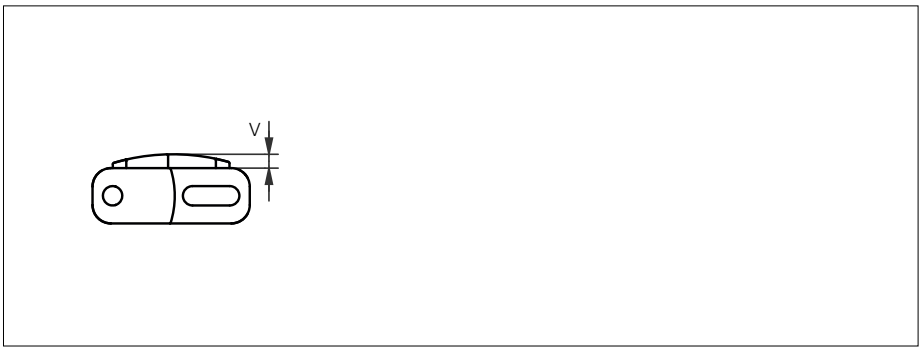


Photo will
be updated

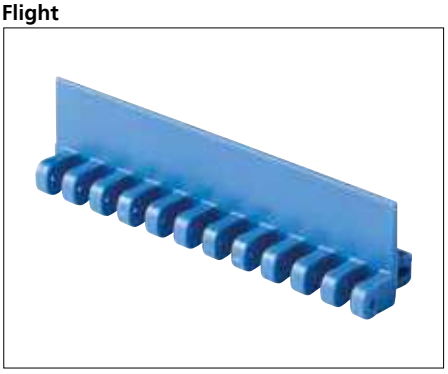


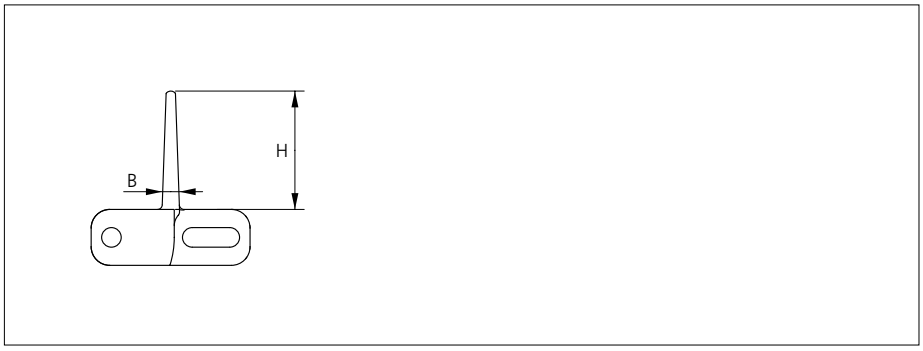
Type	Belt material & color	Rubber material, hardness & color	V	
			mm	in
Curved	PP B	TPE-S Shore A60 K	3.0	0.12
	PP W	TPE-S Shore A60 N		

uni Flex ASB Rubber Top Radius 2.2: Indent min. 44.0 mm (1.73 in) and Increment 12.7 mm (0.50 in).

Accessories

Flight



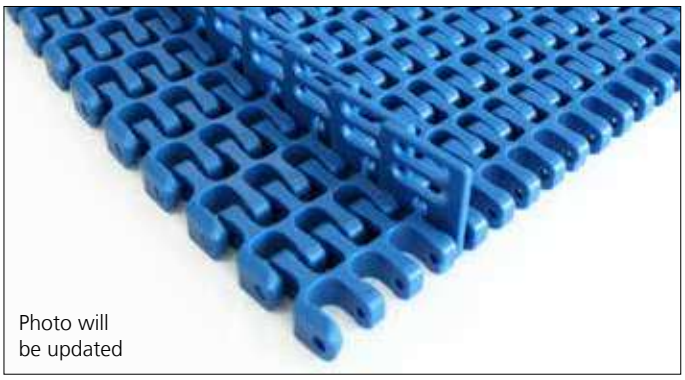


Type	Flight Material & color	B		H		Link size	Width	
		mm	in	mm	in		mm	in
Flat	POM-D B W	3.7	0.15	25.4	1.00	K600	151.0	5.94

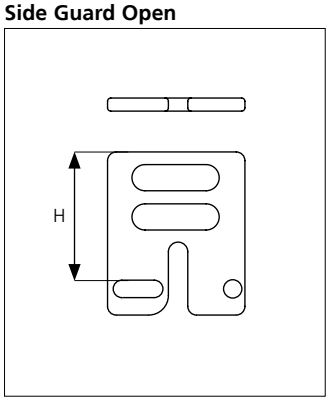
Min. indent for Flight is: 44.0 mm (1.73 in) and Increment 12.7 mm (0.50 in).
Non Standard material and color: See uni Material and Color Overview.

Accessories

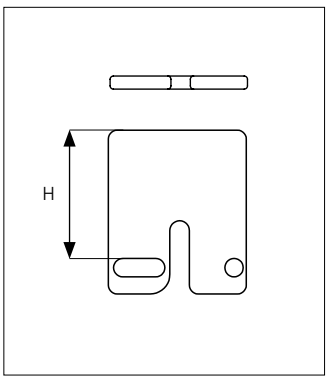
Side Guard



Side Guard Open



Side Guard Closed

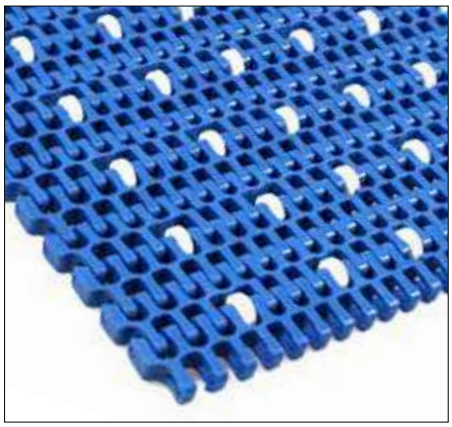


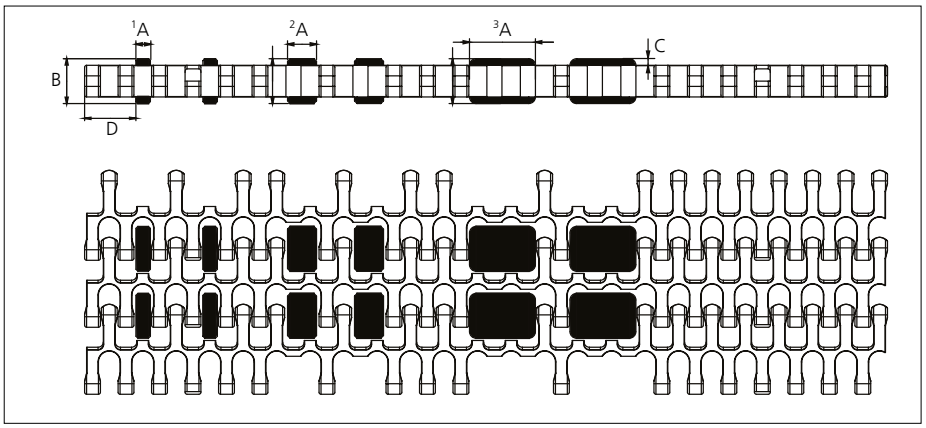
Type	Side Guard Material & color	H	
		mm	in
Side Guard Closed	POM-D B	25.4	1.00
Side Guard Open			

Min. indent for Side Guard is: 44.0 mm (1.73 in) and Increment 12.7 mm (0.50 in).
Non Standard material and color: See uni Material and Color Overview.

Accessories

Roller



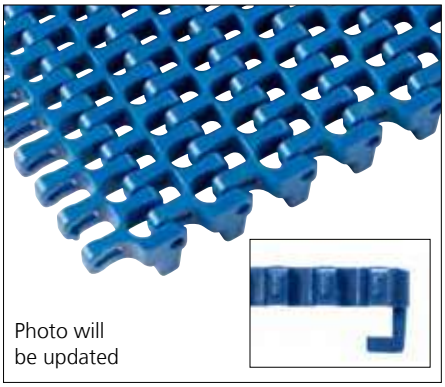


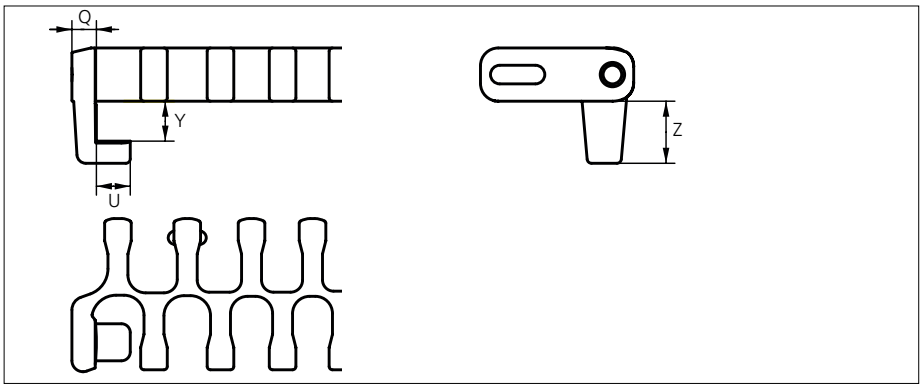
Type	Roller material & color	A		B		C		D*	
		mm	in	mm	in	mm	in	mm	in
Plastic	POM-D W	1 5.5	0.22	17.0	0.67	2.50	0.10	57.3	2.26
		2 11.0	0.43						
		3 25.0	0.98						

Non standard Roller material and color: See uni Material and Color Overview.
Rollers can be placed with steps of 12.7 mm (0.5 in).
*D = 57.3 mm (2.26 in) is minimum for collapse factor 2.2. Absolute min D is 44.6 mm (1.76 in) but collapse factor will then be bigger than 2.2.

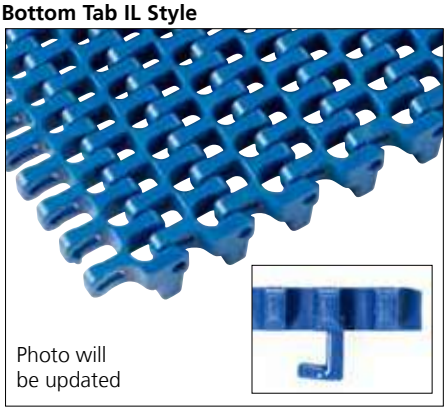
Accessories

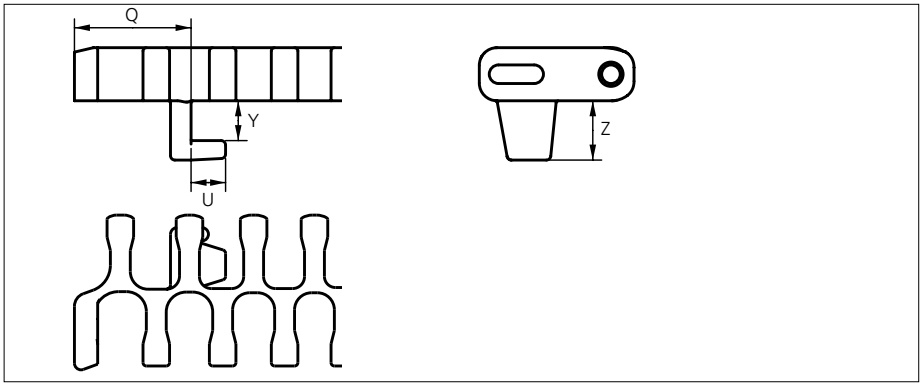
Bottom Tab





Bottom Tab IL Style

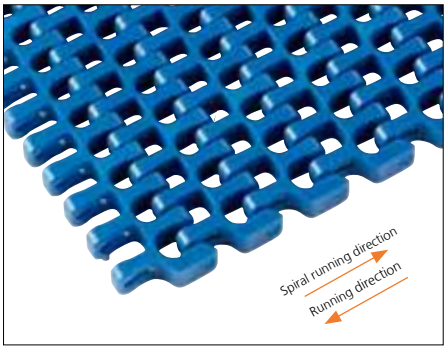


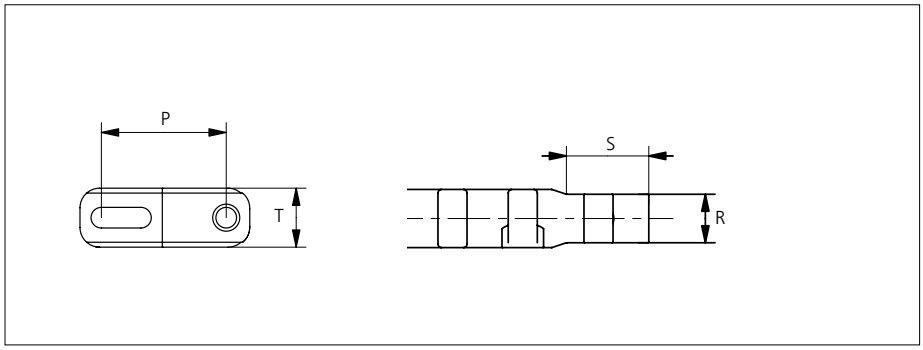


Type	Tab Material & color		Q		U		Y		Z	
			mm	in	mm	in	mm	in	mm	in
Bottom Tab	POM-D **B** **W**	PP **B** **W**	5.5	0.22	7.5	0.30	9.0	0.35	14.0	0.55
Bottom Tab IL Style	POM-D **B** **W**	PP **B** **W**	26.5	1.04	7.8	0.30	9.0	0.35	13.4	0.53

Accessories

Edge Tab – NON STANDARD



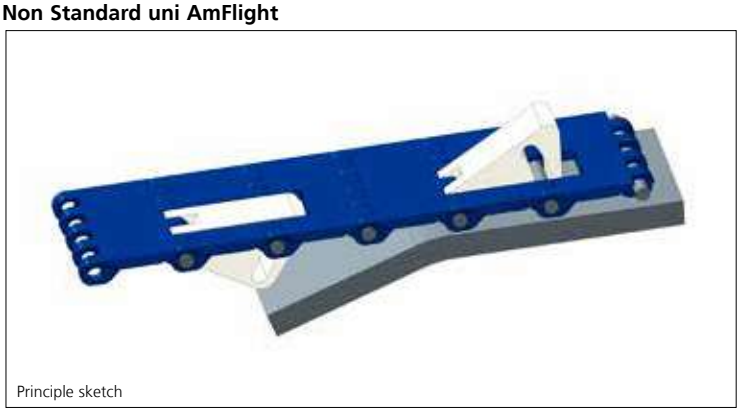


Type	Recommended Edge Tab Material & color	P		R		S		T	
		mm	in	mm	in	mm	in	mm	in
Edge Tab	POM-D **B** **W**	25.4	1.00	10.0	0.39	16.0	0.63	12.0	0.47

Min. indent for Flight is: 44.0 mm (1.73 in) and Increment 12.7 mm (0.50 in).
Non Standard material and color: See uni Material and Color Overview.

Accessories

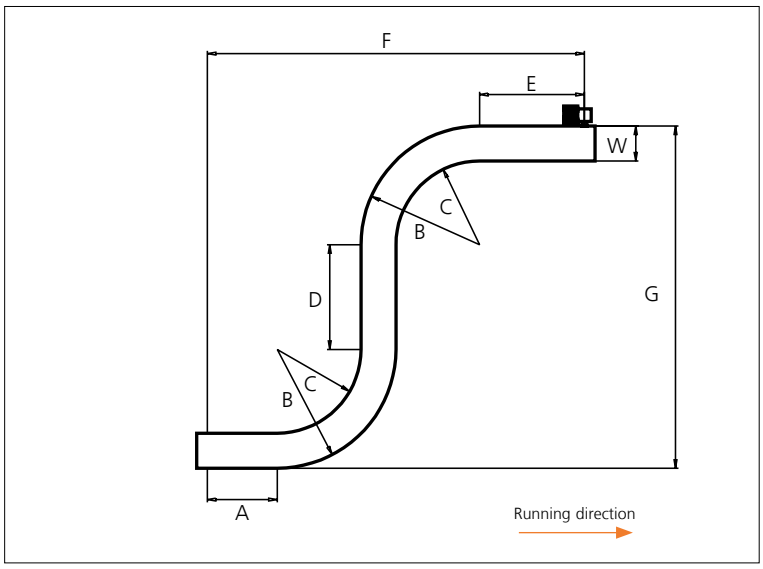
Non Standard uni AmFlight



Principle sketch

Other Non Standard option: See uni AmFlight Overview.

Design Guidelines

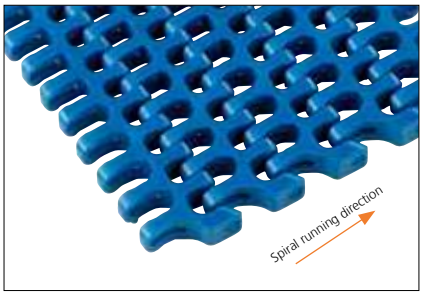


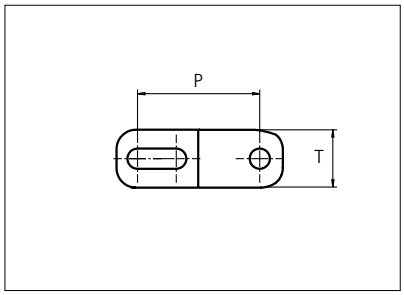
	uni Flex ASB R2.2
A	min. 1.5 x W
B	min. 3.2 x W
C	min. 2.2 x W
D	min. 2.0 x W
E	min. 2.0 x W
F	min. 8.9 x W
G	min. 8.4 x W

For min. conveyor dimensions please refer to sketch and diagram.

Plastic Modular Belt

Series **uni Flex ASB** Type **43% Open (Radius 2.5/3.0/3.5/4.0)**





Sideflexing belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: 43%
Backflex radius: 25.0 mm (0.98 in)
Pin diameter: 4.0 mm (0.16 in)
Min. inside radius: 2.5 / 3.0 / 3.5 / 4.0 x belt width

Recommended Belt material & color	POM-D **B**
Recommended Pin material & color	PA6.6 **B**

	mm	in
P (Nominal)	25.4	1.00
T	12.0	0.47

Other non standard material and color: See uni Material and Color Overview.

Alternative pin and lock systems and materials: Contact Customer Service.

Belt width		Permissible tensile force (Belt/pin material)								Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections								
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
149	5.9	2801	630	1200	270	1863	419	720	162	1.2	0.82	0.8	0.52	2	2	2
226	8.9	4249	955	1200	270	2825	635	720	162	1.9	1.25	1.2	0.79	2	2	2
302	11.9	5678	1276	1200	270	3775	849	720	162	2.5	1.66	1.6	1.06	3	3	2
379	14.9	7125	1602	1200	270	4738	1065	720	162	3.1	2.09	2.0	1.32	3	3	2
455	17.9	8554	1923	1200	270	5688	1279	720	162	3.7	2.51	2.4	1.59	5	4	2
531	20.9	9983	2244	1600	360	6638	1492	960	216	4.4	2.93	2.8	1.86	5	4	2
608	23.9	11430	2570	1600	360	7600	1708	960	216	5.0	3.35	3.2	2.12	5	5	3
531	20.9	9983	2244	2040	459	6638	1492	1224	275	4.4	2.93	2.8	1.86	5	4	2
608	23.9	11430	2570	2040	459	7600	1708	1224	275	5.0	3.35	3.2	2.12	5	5	3
684	26.9	12859	2891	2040	459	8550	1922	1224	275	5.6	3.77	3.6	2.39	5	5	3
761	30.0	14307	3216	2040	459	9513	2138	1224	275	6.2	4.19	4.0	2.66	7	6	3
837	33.0	15736	3537	2040	459	10463	2352	1224	275	6.9	4.61	4.4	2.93	7	6	3
Additional standard belt widths are available in steps of 76.4 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).																
1449	57.0	27241	6124	2040	459	18113	4072	1224	275	11.9	7.99	7.5	5.06	11	10	5
Additional standard belt widths are available in steps of 76.4 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).																
1984	78.1	37299	8385	2040	459	24800	5575	1224	275	16.3	10.93	10.3	6.93	15	14	7

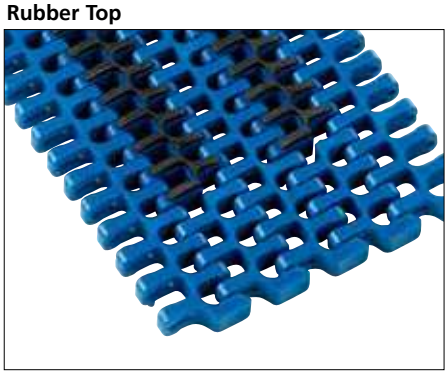
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 2000 N (450 lbf), PP 1100 N (247 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
Max. Belt width with Flex ASB R1.6: 1296.0 mm (51.00 in).

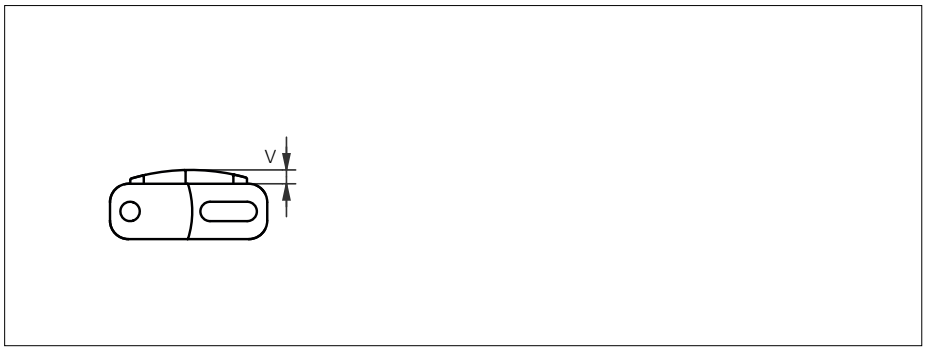
= Single Link

NON STANDARD
SIDE FLEXING
PITCH 25.4 MM/1.00 IN

Accessories

Rubber Top



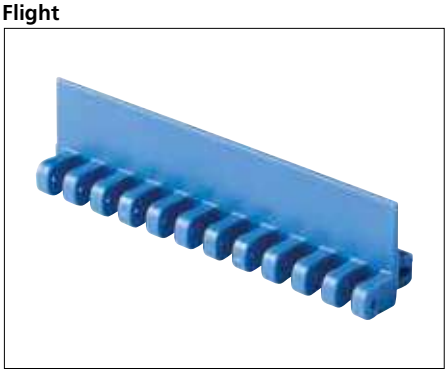


Type	Recommended belt materials and colors	Recommended pin materials and colors	V	
			mm	in
43% Open Rubber Top Radius 2.2	PP B + 03 K	PA6.6 B	3.0	0.12

Min. indent for Rubber Top inside and outside in the belt is 44.0 mm (1.73 in).

Accessories

Flight

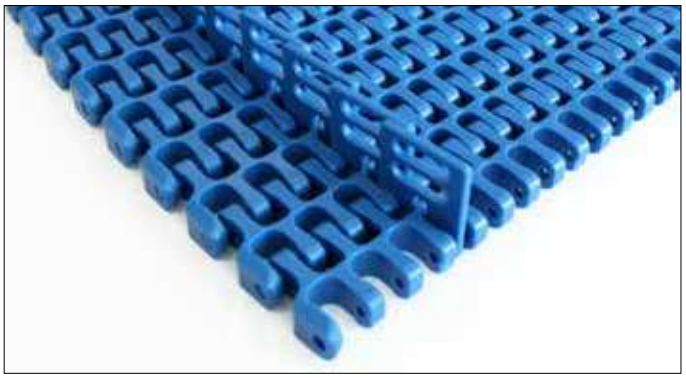


Type	Flight Material & color	B		H		Link size	Width	
		mm	in	mm	in		mm	in
Flat	POM-D B W	3.7	0.15	25.4	1.00	K600	151.0	5.94

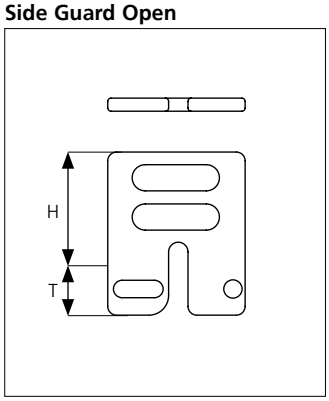
Non Standard material and color: See uni Material and Color Overview.

Accessories

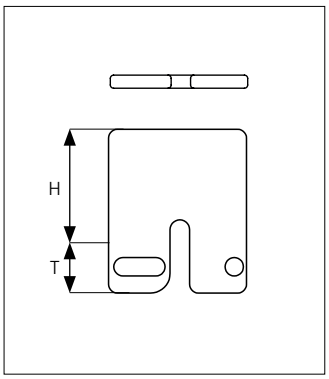
Side Guard



Side Guard Open



Side Guard

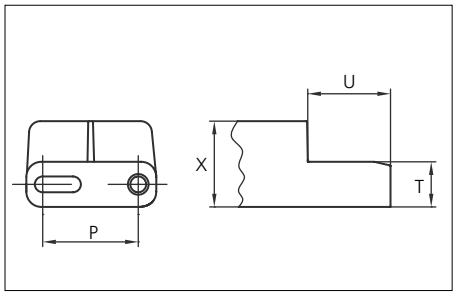


Type	Side Guard Material & color	H		T	
		mm	in	mm	in
Side Guard	POM-D B	25.4	1.00	12.0	0.47
Side Guard Open					

Min. indent for Side Guard is: 44.0 mm (1.73 in) and Increment 12.7 mm (0.50 in).
Non Standard material and color: See uni Material and Color Overview.

Plastic Modular Belt

Series **uni Flex ASB** Type **43% Open Top (Radius 2.2)**



Sideflexing belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Top
Surface opening: 43%
Backflex radius: 30.0 mm (1.18 in)
Pin diameter: 4.0 mm (0.16 in)
Min. inside radius: R2.2 x belt width

Belt material & color	POM-D **W** **B**	PP **B**
Pin and lock material & color	PA6.6 **B**	

	mm	in		mm	in
P (Nominal)	25.4	1.00	**U**	22.0	0.87
T	12.0	0.47	**X**	22.8	0.90

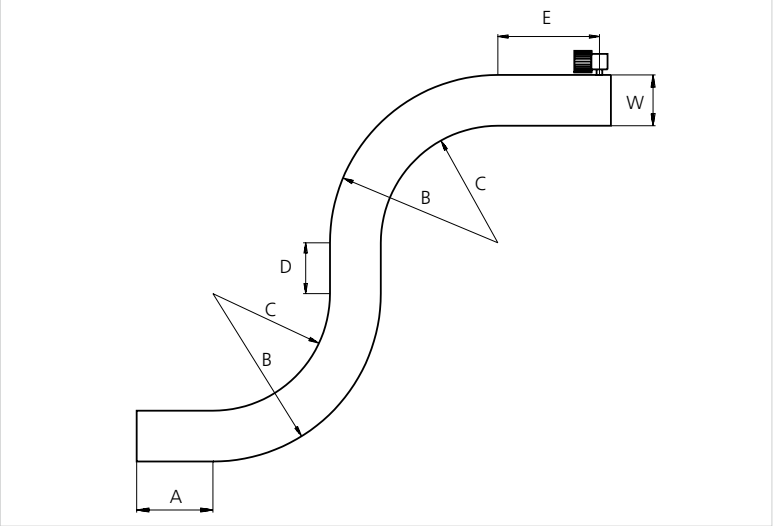
Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock systems and materials: Contact Customer Service.

Belt width		Permissible tensile force (Belt/pin material)								Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections								
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
149	5.9	2801	630	1200	270	1863	419	720	162	2.5	1.70	1.6	1.08	2	2	2
226	8.9	4249	955	1200	270	2825	635	720	162	3.8	2.58	2.4	1.64	2	2	2
302	11.9	5678	1276	1200	270	3775	849	720	162	5.1	3.45	3.3	2.19	3	2	2
379	14.9	7125	1602	1200	270	4738	1065	720	162	6.4	4.33	4.1	2.75	3	2	2
455	17.9	8554	1923	1200	270	5688	1279	720	162	7.7	5.20	4.9	3.30	5	2	2
531	20.9	9983	2244	1600	360	6638	1492	960	216	9.0	6.07	5.7	3.85	5	2	2
608	23.9	11430	2570	1600	360	7600	1708	960	216	10.3	6.95	6.6	4.41	5	2	2
531	20.9	9983	2244	2040	459	6638	1492	1224	275	9.0	6.07	5.7	3.85	5	3	3
608	23.9	11430	2570	2040	459	7600	1708	1224	275	10.3	6.95	6.6	4.41	5	3	3
684	26.9	12859	2891	2040	459	8550	1922	1224	275	11.6	7.81	7.4	4.96	5	3	3
761	30.0	14307	3216	2040	459	9513	2138	1224	275	12.9	8.69	8.2	5.52	7	3	3
837	33.0	15736	3537	2040	459	10463	2352	1224	275	14.2	9.56	9.0	6.08	7	3	3
914	36.0	17183	3863	2040	459	11425	2568	1224	275	15.5	10.44	9.9	6.63	7	3	3
990	39.0	18612	4184	2040	459	12375	2782	1224	275	16.8	11.31	10.7	7.19	7	3	3
1066	42.0	20041	4505	2040	459	13325	2995	1224	275	18.1	12.18	11.5	7.74	9	3	3

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 2000 N (450 lbf), PP 1100 N (247 lbf).

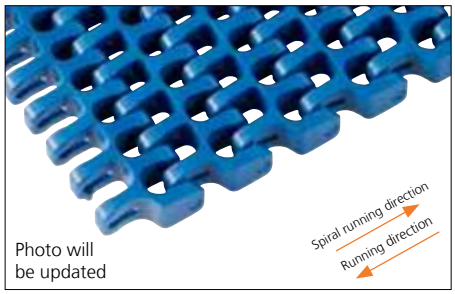
Design Guidelines

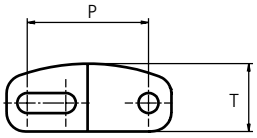


	43% Open Top Radius 2.2
A	min. 1.5 x W
B	min 3.2 x W
C	min 2.2 x W
D	min 2 x W
E	min 2 x W, min.
W	Belt width

Plastic Modular Belt

Series **uni Flex ASB** Type **43% Open Curved Surface (Radius 2.2)**





Sideflexing belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Curved Surface
Surface opening: 43%
Backflex radius: 25.0 mm (0.98 in)
Pin diameter: 4.0 mm (0.16 in)
Min. inside radius: 2.2 x belt width

Belt material & color	POM-D **W** **B**
Pin and lock material & color	PA6.6 **B**

	mm	in
P (Nominal)	25.4	1.00
T	14.2	0.56

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock systems and materials: Contact Customer Service.

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				POM-D/PA6.6			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections						
mm	in	N	lbf	N	lbf	kg/m	lb/ft			
149	5.9	2801	630	1200	270	1.2	0.83	2	2	2
226	8.9	4249	955	1200	270	1.9	1.26	2	2	2
302	11.9	5678	1276	1200	270	2.5	1.68	3	3	2
379	14.9	7125	1602	1200	270	3.1	2.11	3	3	2
455	17.9	8554	1923	1200	270	3.8	2.54	5	4	2
531	20.9	9983	2244	1600	360	4.4	2.96	5	4	2
608	23.9	11430	2570	1600	360	5.0	3.39	5	5	3
684	26.9	12859	2891	2040	459	5.7	3.82	5	5	3
761	30.0	14307	3216	2040	459	6.3	4.24	7	6	3
837	33.0	15736	3537	2040	459	6.9	4.67	7	6	3
914	36.0	17183	3863	2040	459	7.6	5.10	7	7	4
990	39.0	18612	4184	2040	459	8.2	5.52	7	7	4
Additional standard belt widths are available in steps of 76.4 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).										
1449	57.0	27241	6124	2040	459	11.9	7.99	11	10	5
Additional standard belt widths are available in steps of 76.4 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).										
1984	78.1	37299	8385	2040	459	16.3	10.93	15	14	7

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 2000 N (450 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
= Single Link

Accessories

Bottom Tab

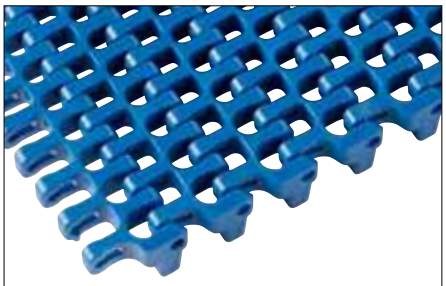
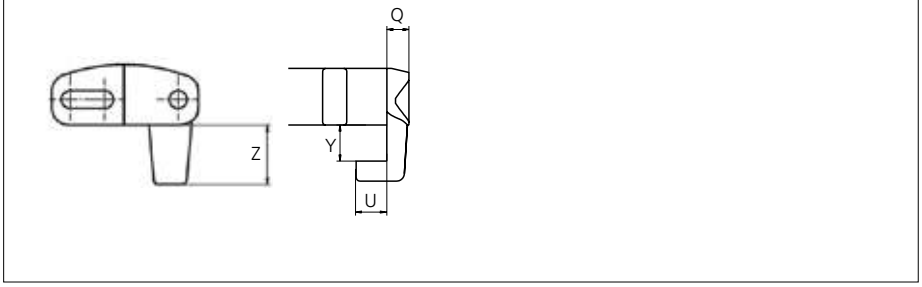


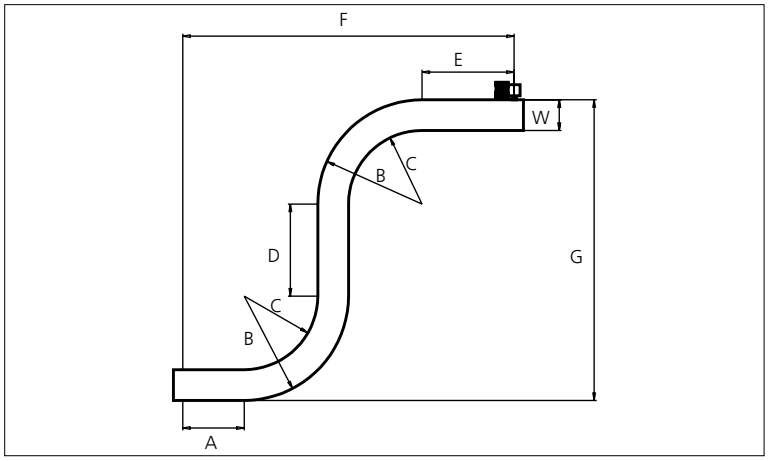
Photo will
be updated



Type	Tab Material & color	Q		U		Y		Z	
		mm	in	mm	in	mm	in	mm	in
Bottom Tab	POM-D B W	5.5	0.22	7.5	0.30	9.0	0.35	14.0	0.55

Non Standard material and color: See uni Material and Color Overview.

Design Guidelines

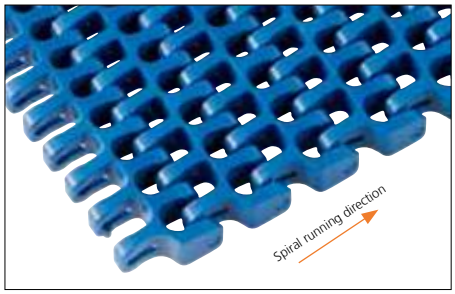


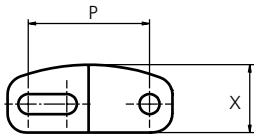
	uni Flex ASB Curved Surface R2.2
A	min. 1.5 x W
B	min. 3.2 x W
C	min. 2.2 x W
D	min. 2.0 x W
E	min. 2.0 x W
F	min. 8.9 x W
G	min. 8.4 x W

For min. conveyor dimensions please refer to sketch and diagram.

Plastic Modular Belt

Series **uni Flex ASB** Type **43% Open CS (Radius 2.5/3.0/3.5/4.0)**





Sideflexing belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Curved Surface
Surface opening: 43%
Backflex radius: 25.0 mm (0.98 in)
Pin diameter: 4.0 mm (0.16 in)
Min. inside radius: 2.5 / 3.0 / 3.5 / 4.0 x belt width
Curved surface makes perfect circle when Z9 tooth sprocket or 95 mm (3.74 in) flex diameter is applied.

Recommended Belt material & color	POM-D B
Recommended Pin material & color	PA6.6 B

	mm	in
P (Nominal)	25.4	1.00
X	14.2	0.56

Other non standard material and color: See uni Material and Color Overview.

Alternative pin and lock systems and materials: Contact Customer Service.

Belt width		**Permissible tensile force (Belt/pin material)**								**Belt weight (Belt/pin material)**				***Min. No. drive sprocket per shaft**	**Number of wear strips (Min. No.)**	
		POM-D/PA6.6				**PP/PA6.6**				**POM-D/PA6.6**		**PP/PA6.6**			****Carry (pcs)**	****Return (pcs)**
		Straight sections		**Curve sections**		**Straight sections**		**Curve sections**								
mm	**in**	**N**	**lbf**	**N**	**lbf**	**N**	**lbf**	**N**	**lbf**	**kg/m**	**lb/ft**	**kg/m**	**lb/ft**			
149	5.9	2801	630	1200	270	1863	419	720	162	1.2	0.82	0.8	0.52	2	2	2
226	8.9	4249	955	1200	270	2825	635	720	162	1.9	1.25	1.2	0.79	2	2	2
302	11.9	5678	1276	1200	270	3775	849	720	162	2.5	1.66	1.6	1.06	3	3	2
379	14.9	7125	1602	1200	270	4738	1065	720	162	3.1	2.09	2.0	1.32	3	3	2
455	17.9	8554	1923	1200	270	5688	1279	720	162	3.7	2.51	2.4	1.59	5	4	2
531	20.9	9983	2244	1600	360	6638	1492	960	216	4.4	2.93	2.8	1.86	5	4	2
608	23.9	11430	2570	1600	360	7600	1708	960	216	5.0	3.35	3.2	2.12	5	5	3
531	20.9	9983	2244	2040	459	6638	1492	1224	275	4.4	2.93	2.8	1.86	5	4	2
608	23.9	11430	2570	2040	459	7600	1708	1224	275	5.0	3.35	3.2	2.12	5	5	3
684	26.9	12859	2891	2040	459	8550	1922	1224	275	5.6	3.77	3.6	2.39	5	5	3
761	30.0	14307	3216	2040	459	9513	2138	1224	275	6.2	4.19	4.0	2.66	7	6	3
837	33.0	15736	3537	2040	459	10463	2352	1224	275	6.9	4.61	4.4	2.93	7	6	3
Additional standard belt widths are available in steps of 76.4 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).																
1449	57.0	27241	6124	2040	459	18113	4072	1224	275	11.9	7.99	7.5	5.06	11	10	5
Additional standard belt widths are available in steps of 76.4 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).																
1984	78.1	37299	8385	2040	459	24800	5575	1224	275	16.3	10.93	10.3	6.93	15	14	7

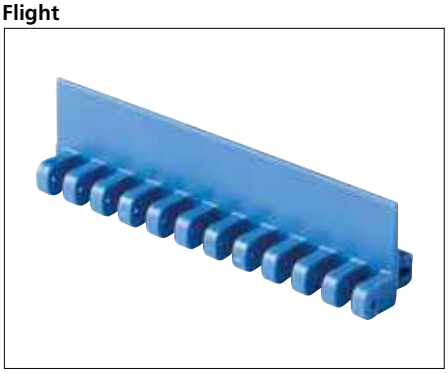
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 2000 N (450 lbf), PP 1100 N (247 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
Max. Belt width with Flex ASB R1.6: 1296.0 mm (51.00 in).

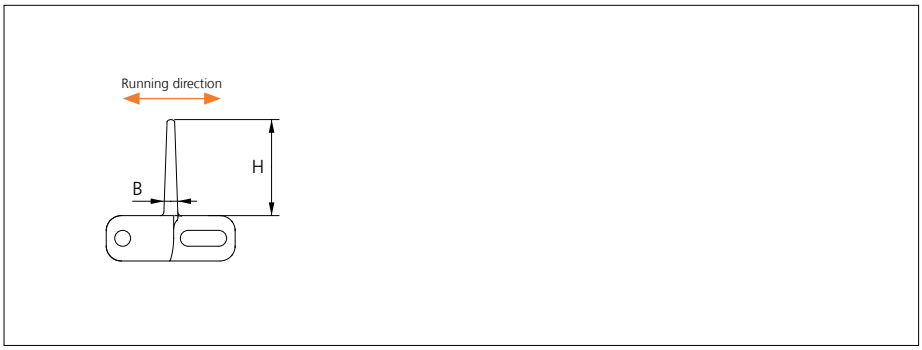
= Single Link

NON STANDARD
SIDE FLEXING
PITCH 25.4 MM/1.00 IN

Accessories

Flight



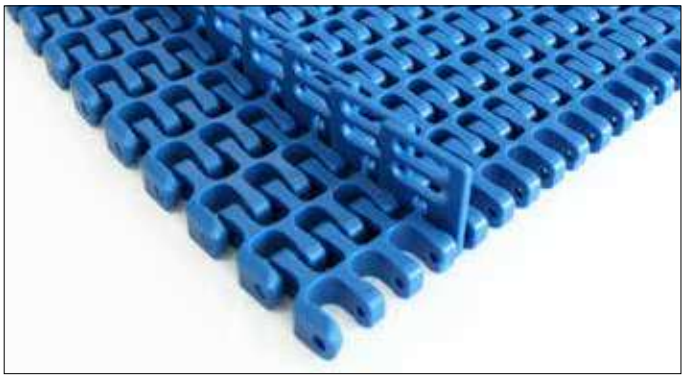


Type	Recommended Material & color	B		H		Link size	Width		I (min)	
		mm	in	mm	in		mm	in	mm	in
Flat	POM-D B	3.7	0.15	25.4	1.00	K600	151.0	5.94	38.1	1.50

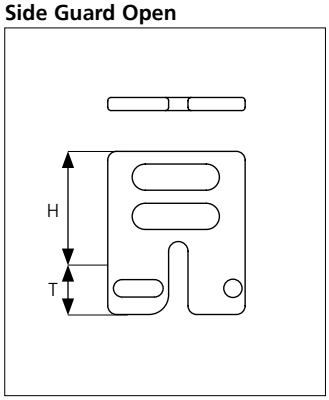
Non Standard material and color: See uni Material and Color Overview.

Accessories

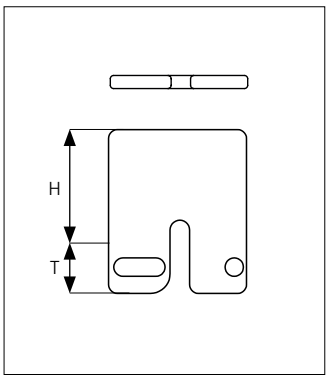
Side Guard



Side Guard Open



Side Guard



Type	Side Guard Material & color	H	
		mm	in
Side Guard Closed	POM-D B	25.4	1.00
Side Guard Open			

Min. indent for Side Guard is: 44.0 mm (1.73 in) and Increment 12.7 mm (0.50 in).
Non Standard material and color: See uni Material and Color Overview.

Sprocket

No. of teeth	Bore size										Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Double row/Two way	Machined PA6 N
	Pilot Bore	in	0.79	0.98	**1.00**	1.18	**1.25**	**1.50**	1.57	2.36												
		mm	**20.0**	**25.0**	25.4	**30.0**	31.8	38.1	**40.0**	**60.0**	mm	in	mm	in	mm	in	mm	in	mm	in		
Z07	✓		●	●	●						58.0	2.28	58.5	2.30	40.8	1.61	20.4	0.80	35.2	1.39	✓	✓
Z09	✓			●■	●■	●	●				75.0	2.95	74.3	2.93	57.8	2.28	28.9	1.14	43.1	1.70	✓	✓
Z12	✓			●■	●	●	●	■			100.0	3.94	98.1	3.86	82.8	3.26	41.4	1.63	55.1	2.17	✓	✓
Z15	✓				●	●	●	■	●■	■	124.6	4.91	122.2	4.81	107.4	4.23	53.8	2.12	67.1	2.64	✓	✓
Z18	✓					●	●	●■	●■	■	149.3	5.88	146.3	5.76	132.1	5.20	66.0	2.60	79.2	3.12	✓	✓

■ **Machined sprocket** ● **Machined sprocket**

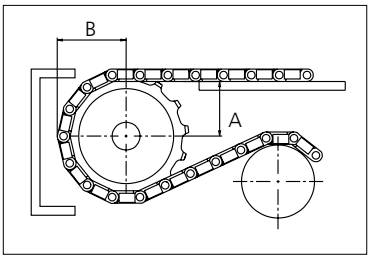
Other sprocket sizes are available upon request.
Other bore sizes on sprockets are available upon request.
Round bores are always delivered with keyway.
Max. load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

Width of tooth = Single row + double row: 7.0 mm (0.28 in)
Width of One-part sprocket = Double row: 30.0 mm (1.18 in)

uni UltraClean Two-Part Sprocket

No. of teeth	Bore size		Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Single row/Two way	Moulded PA6 W
	in	1.57												
	mm	**40.0**	mm	in	mm	in	mm	in	mm	in	mm	in		
Z12		■	100.0	3.94	98.1	3.86	80.0	3.15	41.4	1.63	55.1	2.17	✓	✓
Z15		■	124.6	4.91	122.2	4.81	80.0	3.15	53.8	2.12	67.1	2.64	✓	✓
Z18		■	149.3	5.88	146.3	5.76	80.0	3.15	66.0	2.60	79.2	3.12	✓	✓

■ **Moulded uni UltraClean TwoPart Sprocket**



Width of UltraClean Two-part sprocket = Single row: 44.0 mm (1.73 in)
Width of UltraClean Two-part tooth = Single double row: 7.0 mm (0.28 in)

uni Retainer Rings: See uni Retainer Ring data sheet.
For correct sprocket position: See uni Assembly Instructions for uni Flex ASB.
For more detailed sprocket information. contact Customer Service.

Paso de 38.1 mm (1.50 pulgadas)

uni Flex ONE – Banda de giro lateral, fuerte, higiénica y de radio ajustado

uni Flex ONE de paso de 1.5 pulgada se creó para optimizar el movimiento en operaciones de mucho volumen y con limitaciones de espacio. Esta banda es única, debido a que no lleva pasadores y a su mayor capacidad de tracción, la cual es superior a la de cualquier otra banda de giro lateral del mercado. Ninguna otra banda de giro lateral del mercado puede competir con la uni Flex ONE.

La banda uni Flex ONE mejora el rendimiento en las siguientes industrias/aplicaciones:

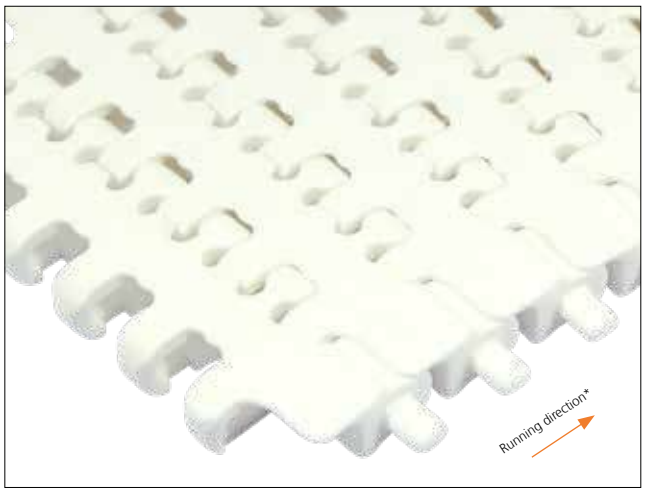
- Cárnica y avícola, incluyendo transportadores de bandejas, manipulación de cajas, entrada/salida del congelador y otras aplicaciones de giro lateral
- Frutas y verduras, incluyendo giro lateral y líneas de empaquetado
- Panadería, incluyendo líneas de enfriamiento, manipulado de bandejas, fermentadores, entrada/salida del horno
- Bebidas, incluyendo transporte de envases y aplicaciones inclinadas
- Aplicaciones en espiral, incluyendo espirales tanto de alta como de baja tensión

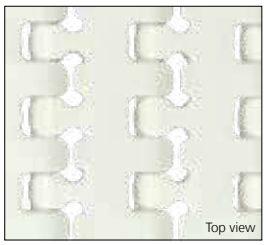
Características del producto y ventajas de funcionamiento:

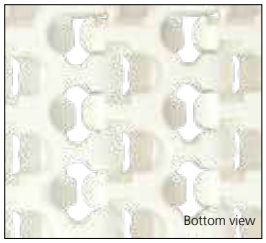
- Aplicaciones de un gran giro lateral y una velocidad alta
- Aplicaciones con radios ajustados, en espacios reducidos
- Diseño uni Snap Link® (sin pasadores), evitando pasadores sueltos
- Superficie segura única
- Placas antidesgaste laterales para una mayor carga y velocidad
- Rodamientos laterales para mayor carga y velocidad, sin lubricación
- Placas antidesgaste integradas para aplicaciones higiénicas
- Diseño uni Snap Link® de fácil mantenimiento (sin pasadores)

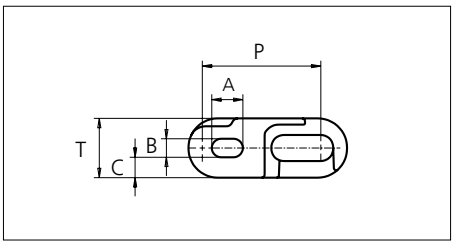
Plastic Modular Belt

Series **uni Flex ONE** Type **15% Open (Radius 1.6)**









Sideflexing belt
Nominal pitch: 38.1 mm (1.50 in)
Surface type: Flat
Surface opening: 15%
Backflex radius: 50.0 mm (1.97 in)
Min. inside radius R1.6 x belt width

Belt material & color	POM-SX **W** **B** **

	mm	in		mm	in
P (Nominal)	38.1	1.50	**C**	6.6	0.26
A	10.0	0.39	**T**	19.1	0.75
B	5.9	0.23	**-**	-	-

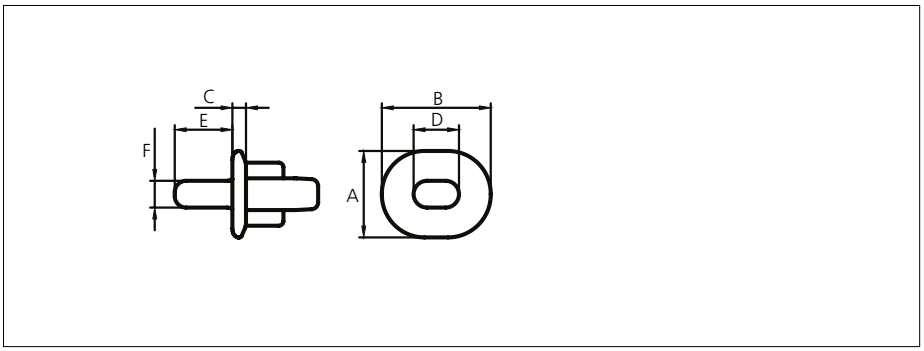
*uni-chains reccomends this travel direction. However travel in both directions is possible.
**Please note that uni Flex ONE in POM-SX blue is not according to the standard color quality for blue. Small variations may occur.

Belt width			Permissible tensile force Belt material				Belt weight Belt material		*Recommended No. drive sprocket per shaft	Number of wear strips (Min no.)	
			POM-SX				POM-SX			Carry (pcs)	Return (pcs)
			Straight sections		Curve sections						
Size	mm	in	N	lbf	N	lbf	kg/m	lb/ft			
K750	190.5	7.50	2400	540	2000	450	2.6	1.75	2	2	2
K1200	304.8	12.00	4000	899	3400	764	4.1	2.76	3	2	2
K1400**	355.6	14.00	5600	1259	3400	764	4.7	3.16	3	2	2
K1500	381.0	15.00	6400	1439	3500	787	5.0	3.36	3	2	2
K1800	457.2	18.00	8200	1843	3600	809	6.2	4.17	5	2	2
K2400	609.6	24.00	12000	2698	3800	854	8.0	5.38	5	2	2

General belt tolerance is +0/-0.4% at 23°C/73°F.
*Max. Load per Drive Sprocket. Belt material: POM-SX 2500 N (562 lbf)
**Flex ONE-K1400 is not available with any type of edge accessories

Edge Accessories

uni Flex ONE EO Tab (Exchangeable Outer Tab)

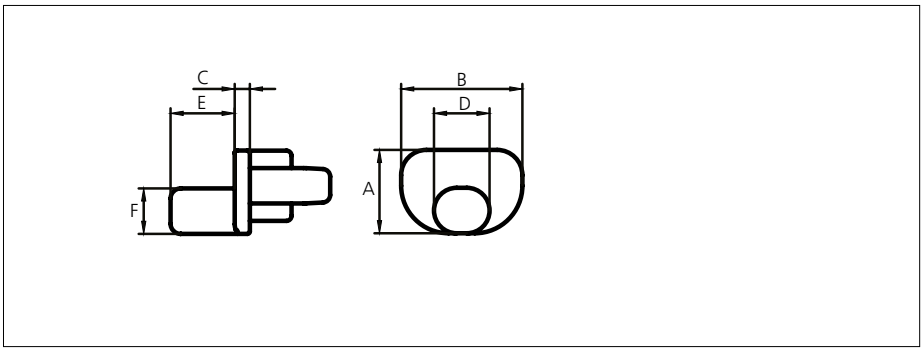


Type	EO-Tab material & color	A		B		C		D		E		F	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
Exchangeable Outer Tab	POM DK O	19.1	0.75	24.0	0.94	3.0	0.12	10.0	0.39	12.7	0.50	5.9	0.23

When using the EO Tab in both sides, the width of the belt will be the same as the uni Flex ONE 15% open. See page 1.

Edge Accessories

uni Flex ONE EOO Tab (Exchangeable Outer Offset Tab)

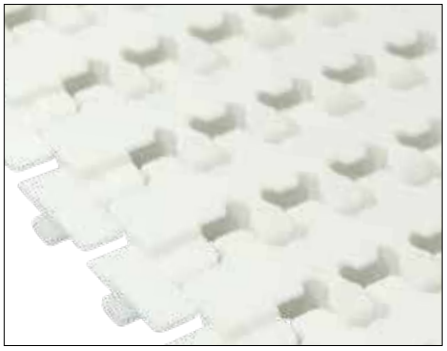


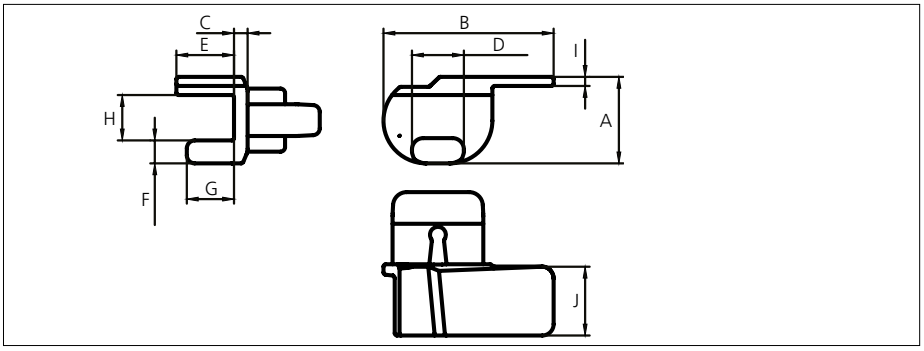
Type	EOO-Tab material & color	A		B		C		D		E		F	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
Exchangeable Outer Offset Tab	POM DK O	16.5	0.65	24.0	0.94	3.0	0.12	11.0	0.43	12.7	0.50	9.0	0.35

When using the EOO Tab in both sides, the width of the belt will be the same as the uni Flex ONE 15% open. See page 1.

Edge Accessories

uni Flex ONE EC Tab (Exchangeable C-Shape Tab)





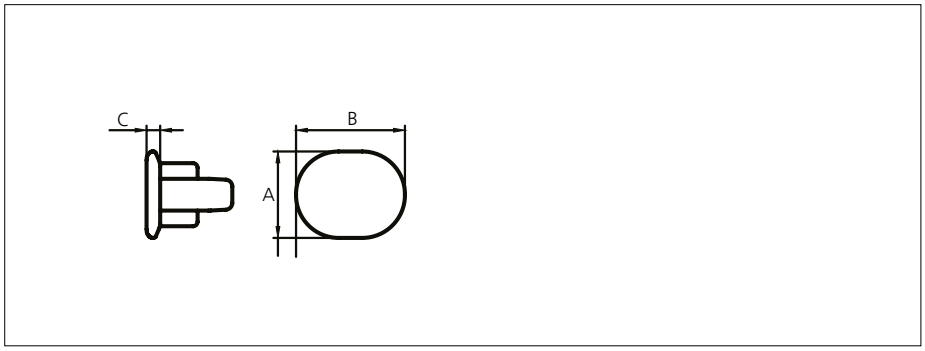
Type	EC-Tab material & color	A		B		C		D		E	
		mm	in	mm	in	mm	in	mm	in	mm	in
Exchangeable C-Shape Tab	POM-SX W B	19.1	0.75	37.5	1.48	3.0	0.12	10.5	0.41	12.7	0,50

F		G		H		I		J	
mm	in	mm	in	mm	in	mm	in	mm	in
5.0	0.20	10.4	0.41	10.0	0.39	2.0	0.08	15.2	0,60

When using the EC Tab, the width of both sides of the belt width will increase 1.00 in.

Edge Accessories

uni Flex ONE EW (Exchangeable Wearpart)

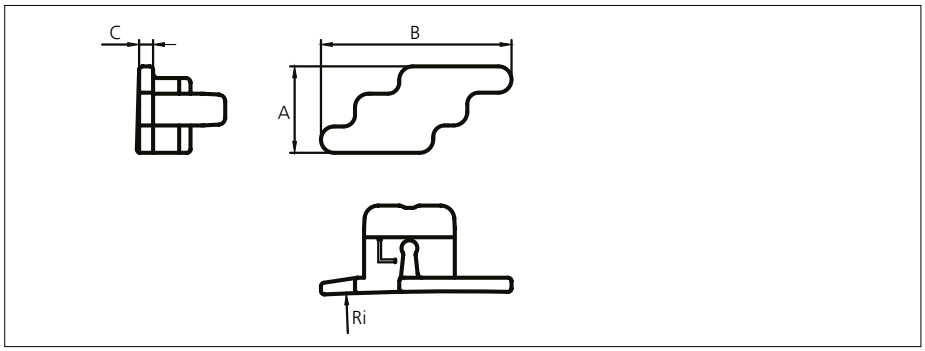


Type	EW Wearpart material & color	A		B		C	
		mm	in	mm	in	mm	in
Exchangeable Wearpart	POM DK O	19.1	0.75	24.0	0.94	3.0	0.12

When using the EW in both sides, the width of the belt will be the same as the uni Flex ONE 15% open. See page 1.

Edge Accessories

uni Flex ONE EWC (Exchangeable Wearpart Closed)

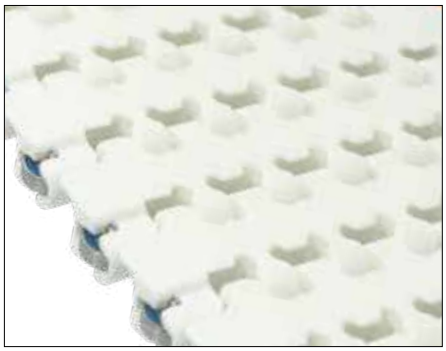


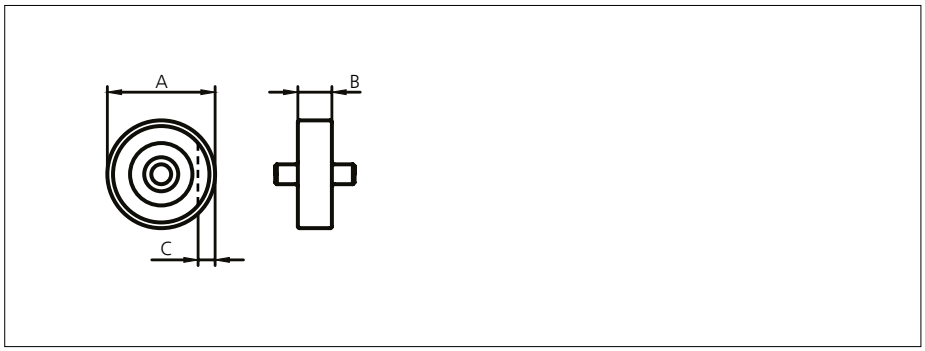
Type	EWC Wearpart material & color	A		B		C		Ri	
		mm	in	mm	in	mm	in	mm	in
Exchangeable Wearpart Closed	K750: POM DK Y	19.1	0.75	24.0	0.94	3.0	0.12	308.8	12.00
	K1200, K1500, K1800: POM DK O							609.6	24.00
	K2400: POM DK B							975.4	38.40

When using the EWC in both sides, the width of the belt will be the same as the uni Flex ONE 15% open. See page 1.

Edge Accessories

uni Flex ONE ER (Exchangeable Roller)





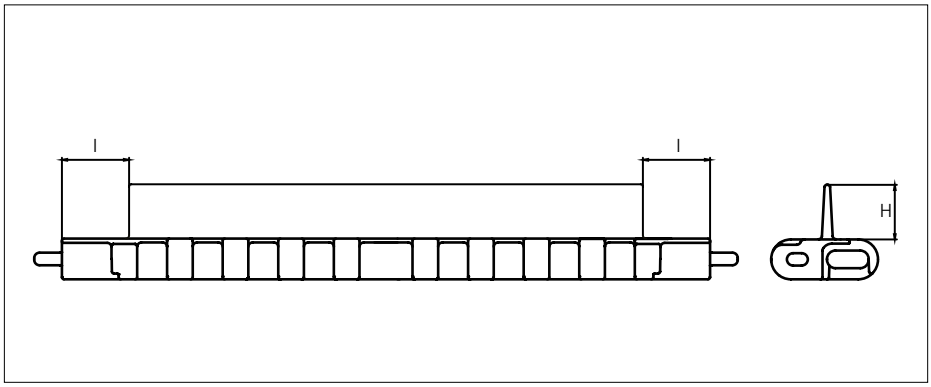
Type	ER material	A		B		C*	
		mm	in	mm	in	mm	in
Exchangeable Roller	SS	19.1	0.75	6.0	0.24	3.0	0.12

When using the ER in both sides, the width of the belt will be the same as the uni Flex ONE 15% open. See page 1.

* Distance from edge of belt to outside ball bearing.

Other accessories

Flight

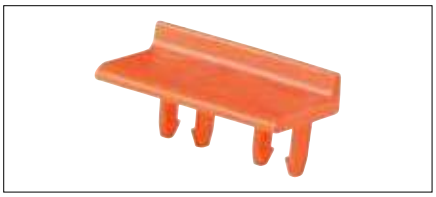


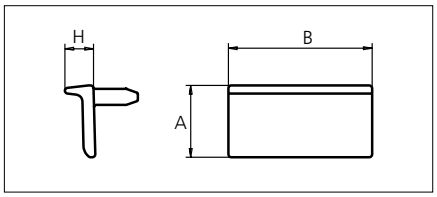
Type	Standard belt material & color	Height (H)		Indent (I)		Link size	Width	
		mm	in	mm	in		mm	in
Flight	POM-SX W B *	25.4	1.00	32.0	1.26	K1200	304.8	12.00

* Please note that uni Flex ONE in POM-SX blue is not according to the standard color quality for blue. Small variations may occur.
Non Standard material and color: See uni Material and Color Overview.

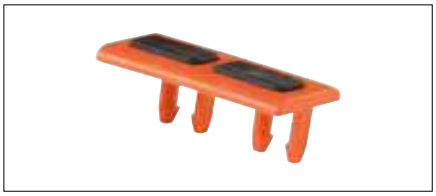
Other accessories

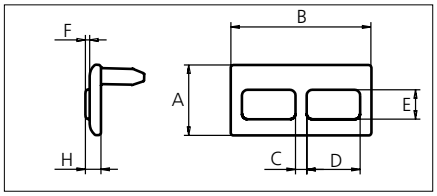
Clip On Flight



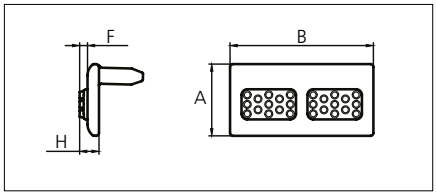


Clip On Rubber Flat





Clip On Rubber Cone

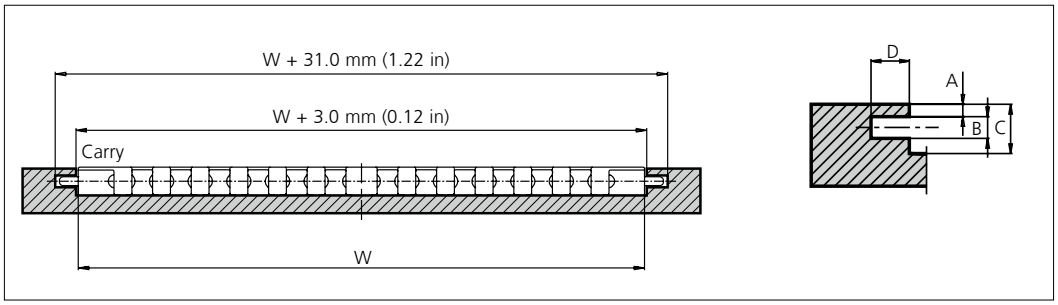


	mm	in
A	25.0	0.98
B	50.0	1.97
C	4.0	0.16
D	19.0	0.75
E	10.5	0.41
F	2.8	0.11
H	6.8	0.27

Type	Height (H)		Standard materials & colors
	mm	in	
Clip On Flight	10.0	0.39	POM-D O
Clip On Rubber Flat	5.5	0.22	POM-D O + Rubber 01 K
Clip On Rubber Cone	6.8	0.27	POM-D O + Rubber 01 K

Design Guidelines

uni Flex ONE O and EO



	mm	in
A	4.5	0.18
B	8.0	0.31
C	18.0	0.71
D	14.0	0.55

uni Flex ONE O

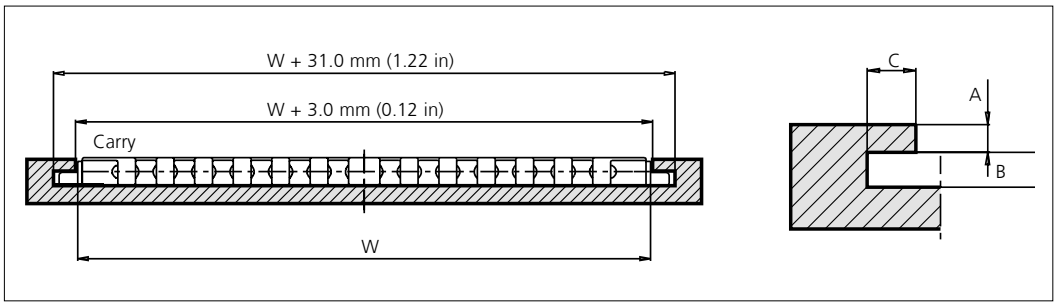
Using the uni Flex ONE with O-Tab and a slotted wearstrip, the O-Tab will allow the transported products to be ider than the belt. O-Tabs are molded into the belt to ensure cleanability and are preferred for direct food contact.

uni Flex ONE EO (Exchangeable O-Tab)

Exchangeable O-Tab system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. Using a slotted wearstrip the exchangeable O-Tab will track the belt and allow the transported products to be wider than the belt. Resists high curve load at increased speed.

Design Guidelines

uni Flex ONE O and EO



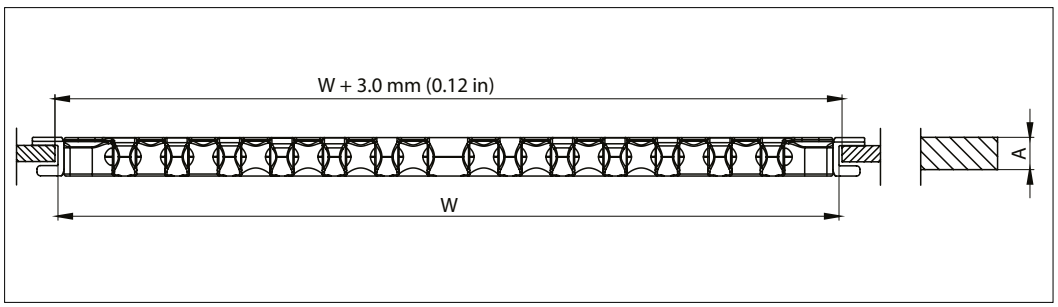
	mm	in
A	8.0	0.31
B	10.0	0.39
C	14.0	0.55

uni Flex ONE EOO (Exchangeable Offset O-Tab)

Exchangeable O-Tab system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. Using a slotted wearstrip the exchangeable O-Tab will track the belt and allow the transported products to be wider than the belt. Resists high curve load at increased speed.

Design Guidelines

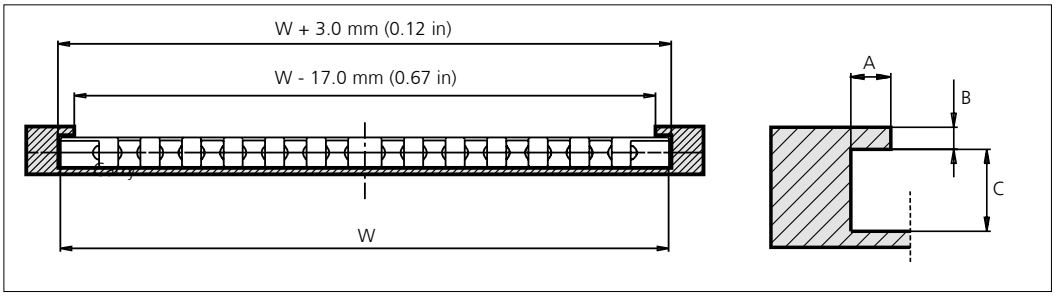
uni Flex ONE EC



	mm	in
A	8.0	0.31

Design Guidelines

uni Flex ONE EW and ER



	mm	in
A	10.0	1.39
B	5.5	0.22
C	20.5	0.81

uni Flex ONE EW (Exchangeable Wearpart)

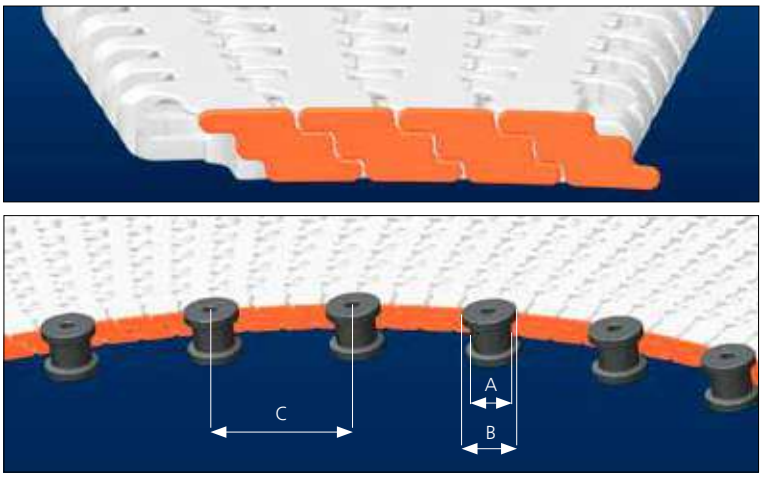
Exchangeable Wearpart system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. This Wearpart can easily be replaced. Resists high curve load at increased speed.

uni Flex ONE ER (Exchangeable Edge Roller)

uni Flex ONE with Exchangeable Edge Rollers reduces friction in curves to a minimum making it very suitable for applications with many curves e.g. static spirals (non rotating drum) or high speed sideflexing conveyors.

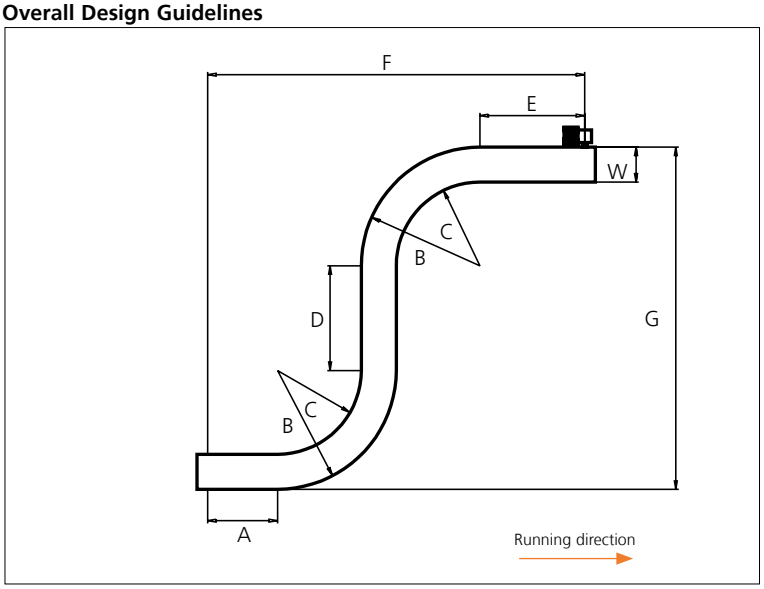
Design Guidelines

uni Flex ONE EWC



	mm	in
A	min ø30	min ø1¼
B	A + min 12	A + min ½
C	100-150	4-6

Overall Design Guidelines



	Layout Guidelines
A	min. 1.0 x W
B	min. 2.6 x W
C	min. 1.6 x W
D	min. 2.0 x W
E	min. 1.0 x W
F	min. 6.2 x W
G	min. 7.2 x W

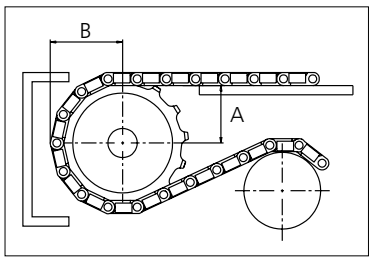
For min. conveyor dimensions please refer to sketch and diagram.

Sprocket

No. of teeth	Bore size								Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/One way	PA6 LG Molded
	Pilot Bore	in	0.98	1.00	1.18	1.25	1.50	1.57												
		mm	25.0	25.4	30.0	31.8	38.1	40.0	mm	in	mm	in	mm	in	mm	in	mm	in		
Z08	✓		■	● ■	●	●		●	101	3.98	99.6	3.93	60.0	2.36	36.5	1.44	59.0	2.32	✓	✓
Z09	✓			●	●	●		●	113.7	4.48	111.4	4.39	70.0	2.76	42.8	1.69	64.9	2.56	✓	✓
Z09							■	■	113.7	4.48	111.4	4.39	74.0	2.91	42.8	1.69	64.9	2.56	✓	✓
Z11	✓			●	●	●			138.8	5.46	135.2	5.32	70.0	2.76	55.4	2.18	76.9	3.03	✓	✓
Z11							■	■	138.8	5.46	135.2	5.32	74.0	2.91	55.4	2.18	76.9	3.03	✓	✓
Z12	✓				●	●	●	●	151.2	5.95	147.2	5.80	70.0	2.76	61.6	2.43	82.9	3.26	✓	✓
Z12							■	■	151.2	5.95	147.2	5.80	74.0	2.91	61.6	2.43	82.9	3.26	✓	✓
Z13	✓				●	●	●	●	163.6	6.44	159.2	6.27	70.0	2.76	67.8	2.67	88.9	3.50	✓	✓
Z13							■	■	163.6	6.44	159.2	6.27	74.0	2.91	67.8	2.67	88.9	3.50	✓	✓
Z16	✓				●	●	●	●	200.5	7.89	195.3	7.69	70.0	2.76	86.3	3.40	107.0	4.21	✓	✓
Z16							■	■	200.5	7.89	195.3	7.69	74.0	2.91	86.3	3.40	107.0	4.21	✓	✓

■ **Molded sprocket** ● **Molded sprocket**

Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request
Other bore sizes are available upon request
uni Retainer Rings: See uni Retainer Ring data sheet
Width of tooth = 9.0 mm (0.35 in)
Width of sprocket = 39.0 mm (1.54 in)

Max. load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex ONE.
For more detailed sprocket information, contact Customer Service.

Paso de 50.8 mm (2.00 pulgadas)

uni Flex L-ASB

Esta nueva generación de bandas curvas de paso de 2 pulgadas que se encuentra disponible con o sin lengüetas de sujeción presenta un diseño único patentado que proporciona una banda curva muy fuerte. Se encuentra asimismo disponible una versión con un radio de giro más ajustado denominada uni Flex L-ASB R. Esta nueva generación resulta más fácil de limpiar y, con el material POM-D, presenta unas buenas características de separación. La mayor estabilidad lateral permite la utilización de menos tiras de soporte de lo que es habitual en otras bandas. El diseño higiénico de esta banda recta y de giro lateral hace que resulte la banda de procesamiento ideal en aplicaciones de enfriamiento, congelación, secado o fermentadores. La uni Flex L-ASB es una banda comprobada en aplicaciones espirales.

La Serie uni Flex L-ASB mejora el funcionamiento de las siguientes industrias/aplicaciones:

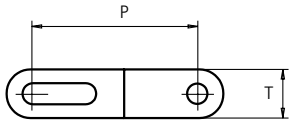
- Panadería, incluyendo manipulado de bandejas, líneas de enfriamiento, transporte interno y líneas de envasado cuando se requiere una fuerza elevada de la banda
- Cárnica y avícola, incluyendo líneas de empaquetado
- Aplicaciones espirales
- Industria del mueble

Características del producto:

- Material de POM-D estándar que contiene un componente autolubricante, mejores características antiadherentes y reducción de la fricción
- Fácil de limpiar gracias a un diseño higiénico de las bisagras
- Aplicación de radio ajustado que reduce los requisitos de espacio
- Se requieren menos tiras de soporte gracias a la mayor estabilidad lateral
- Disponible con unos factores de colapso de 2.2 y 1.6

Plastic Modular Belt

Series **uni Flex L-ASB** Type **47% Open (Radius 1.6)**



Sideflexing belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Flat
Surface opening: 47%
Backflex radius: 100.0 mm (3.94 in)
Pin diameter: 6.0 mm (0.24 in)
Min. inside radius: 1.6 x belt width

Belt material & color	POM-D **B** W	PP **B** W
Pin and lock material & color	PA6.6 **B**	

	mm	in
P (Nominal)	50.8	2.00
T	15.0	0.59

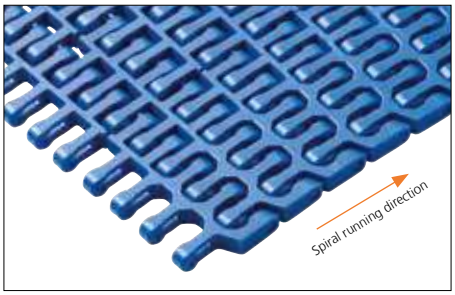
Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock systems and materials: Contact Customer Service.

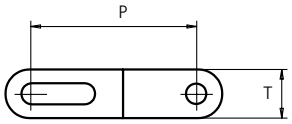
Belt width		**Permissible tensile force (Belt/pin material)**								**Belt weight (Belt/pin material)**				***Min. No. drive sprocket per shaft**	**Number of wear strips (Min. No.)**	
		POM-D/PA6.6				**PP/PA6.6**				**POM-D/PA6.6**		**PP/PA6.6**				
		Straight sections		**Curve sections**		**Straight sections**		**Curve sections**							**Carry (pcs)	**Return (pcs)
mm	**in**	**N**	**lbf**	**N**	**lbf**	**N**	**lbf**	**N**	**lbf**	**kg/m**	**lb/ft**	**kg/m**	**lb/ft**			
250	9.8	10000	2248	2440	549	5000	1124	1440	324	2.5	1.65	1.5	1.01	2	2	2
326	12.8	13040	2931	2440	549	6520	1466	1440	324	3.2	2.15	2.0	1.31	3	3	2
403	15.9	16120	3624	3110	699	8060	1812	1960	441	3.9	2.65	2.4	1.63	3	3	2
479	18.9	19160	4307	3110	699	9580	2154	1960	441	4.7	3.15	2.9	1.93	5	4	2
555	21.9	22200	4991	3110	699	11100	2495	1960	441	5.4	3.66	3.3	2.24	5	4	2
631	24.8	25240	5674	3110	699	12620	2837	1960	441	6.2	4.16	3.8	2.54	5	5	3
708	27.9	28320	6366	3110	699	14160	3183	1960	441	6.9	4.66	4.2	2.85	5	5	3
784	30.9	31360	7050	3110	699	15680	3525	1960	441	7.7	5.16	4.7	3.16	7	6	3
860	33.9	34400	7733	3110	699	17200	3867	1960	441	8.4	5.66	5.2	3.47	7	6	3
936	36.9	37440	8417	3110	699	18720	4208	1960	441	9.2	6.16	5.6	3.77	7	7	4
1013	39.9	40520	9109	3110	699	20260	4554	1960	441	9.9	6.67	6.1	4.08	7	7	4
1089	42.9	43560	9792	3110	699	21780	4896	1960	441	10.7	7.17	6.5	4.39	9	8	4

Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 2500 N (562 lbf), PP 1200 N (270 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
□ = Single Link

Plastic Modular Belt

Series **uni Flex L-ASB** Type **47% Open (Radius 2.5/3.0/3.5/4.0)**





Sideflexing belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Flat
Surface opening: 47%/50%
Backflex radius: 65.0 mm (2.56 in)
Pin diameter: 6.0 mm (0.24 in)
Min. inside radius:
2.5 / 3.0 / 3.5 / 4.0 x belt width

Recommended Belt material & color	POM-D B
Recommended Pin material & color	PA6.6 B

	mm	in
P (Nominal)	50.8	2.00
T	15.0	0.59

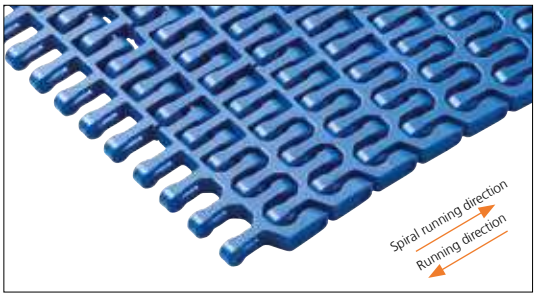
Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock systems and materials: Contact Customer Service.

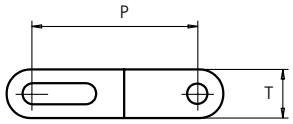
Belt width		Permissible tensile force (Belt/pin material)								Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections								
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
250	9.8	10000	2248	2440	549	5000	1124	1440	324	2.5	1.65	1.5	1.01	2	2	2
326	12.8	13040	2931	2440	549	6520	1466	1440	324	3.2	2.15	2.0	1.31	3	3	2
403	15.9	16120	3624	3110	699	8060	1812	1960	441	3.9	2.65	2.4	1.63	3	3	2
479	18.9	19160	4307	3110	699	9580	2154	1960	441	4.7	3.15	2.9	1.93	5	4	2
555	21.9	22200	4991	3110	699	11100	2495	1960	441	5.4	3.66	3.3	2.24	5	4	2
631	24.8	25240	5674	3110	699	12620	2837	1960	441	6.2	4.16	3.8	2.54	5	5	3
708	27.9	28320	6366	3110	699	14160	3183	1960	441	6.9	4.66	4.2	2.85	5	5	3
784	30.9	31360	7050	3110	699	15680	3525	1960	441	7.7	5.16	4.7	3.16	7	6	3
860	33.9	34400	7733	3110	699	17200	3867	1960	441	8.4	5.66	5.2	3.47	7	6	3
936	36.9	37440	8417	3110	699	18720	4208	1960	441	9.2	6.16	5.6	3.77	7	7	4
1013	39.9	40520	9109	3110	699	20260	4554	1960	441	9.9	6.67	6.1	4.08	7	7	4
1089	42.9	43560	9792	3110	699	21780	4896	1960	441	10.7	7.17	6.5	4.39	9	8	4
Additional standard belt widths are available in steps of 76.2 mm (3.00 in) Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in)																
1699	66.9	67960	15277	3110	699	33980	7639	1960	441	16.7	11.19	10.2	6.85	13	12	6
Additional standard belt widths are available in steps of 76.2 mm (3.00 in) Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in)																
1927	75.9	77080	17328	3110	699	38540	8664	1960	441	18.9	12.69	11.6	7.77	13	13	7

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 2500 N (562 lbf), PP 1200 N (270 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
= Single Link

Plastic Modular Belt

Series **uni Flex L-ASB** Type **47% Open (Radius 2.2)**





Sideflexing belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Flat
Surface opening: 47%
Backflex radius: 100.0 mm (3.94 in)
Pin diameter: 6.0 mm (0.24 in)
Min. inside radius: 2.2 x belt width

Belt material & color	POM-D **B** **W**	PP **B** **W**
Pin and lock material & color	PA6.6 **B**	

	mm	in
P (Nominal)	50.8	2.00
T	15.0	0.59

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock systems and materials: Contact Customer Service.

Belt width		Permissible tensile force (Belt/pin material)								Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6				
		Straight sections		Curve sections		Straight sections		Curve sections							**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
250	9.8	10000	2248	2440	549	5000	1124	1440	324	2.5	1.65	1.5	1.01	2	2	2
326	12.8	13040	2931	2440	549	6520	1466	1440	324	3.2	2.15	2.0	1.31	3	3	2
403	15.9	16120	3624	3110	699	8060	1812	1960	441	3.9	2.65	2.4	1.63	3	3	2
479	18.9	19160	4307	3110	699	9580	2154	1960	441	4.7	3.15	2.9	1.93	5	4	2
555	21.9	22200	4991	3110	699	11100	2495	1960	441	5.4	3.66	3.3	2.24	5	4	2
631	24.8	25240	5674	3110	699	12620	2837	1960	441	6.2	4.16	3.8	2.54	5	5	3
708	27.9	28320	6366	3110	699	14160	3183	1960	441	6.9	4.66	4.2	2.85	5	5	3
784	30.9	31360	7050	3110	699	15680	3525	1960	441	7.7	5.16	4.7	3.16	7	6	3
860	33.9	34400	7733	3110	699	17200	3867	1960	441	8.4	5.66	5.2	3.47	7	6	3
936	36.9	37440	8417	3110	699	18720	4208	1960	441	9.2	6.16	5.6	3.77	7	7	4
1013	39.9	40520	9109	3110	699	20260	4554	1960	441	9.9	6.67	6.1	4.08	7	7	4
1089	42.9	43560	9792	3110	699	21780	4896	1960	441	10.7	7.17	6.5	4.39	9	8	4
Additional standard belt widths are available in steps of 76.2 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).																
1699	66.9	67960	15277	3110	699	33980	7639	1960	441	16.7	11.19	10.2	6.85	13	12	6
Additional standard belt widths are available in steps of 76.2 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).																
1927	75.9	77080	17328	3110	699	38540	8664	1960	441	18.9	12.69	11.6	7.77	13	13	7

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 2500 N (562 lbf), PP 1200 N (270 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
= Single Link

Accessories

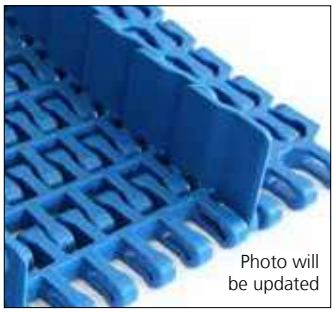
Rubber Top

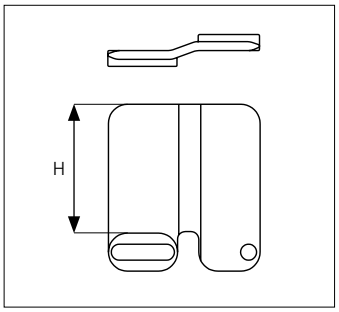
Type	Belt material & color	Rubber material, hardness & color	X	
			mm	in
Curved	PP B	TPE-S Shore A60 K	3.0	0.12

uni Flex L-ASB Rubber Top Radius 2.2: Indent min. 71.0 mm (2.80 in) and Increment 25.4 mm (1.00).

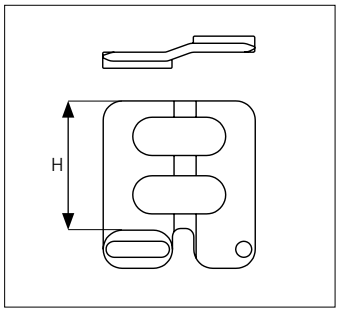
Accessories

Side Guard Closed

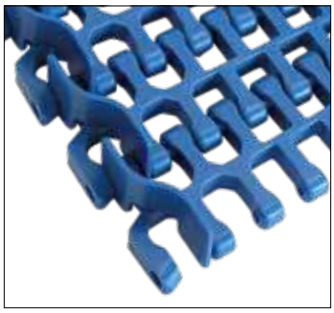


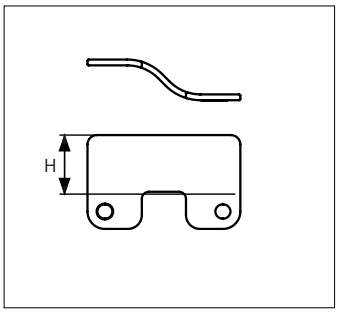


Side Guard Open



Side Guard Outside Closed



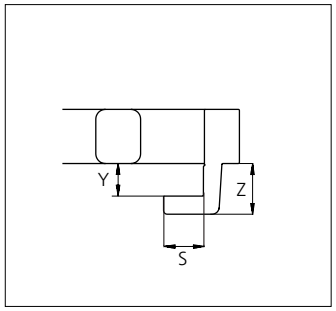


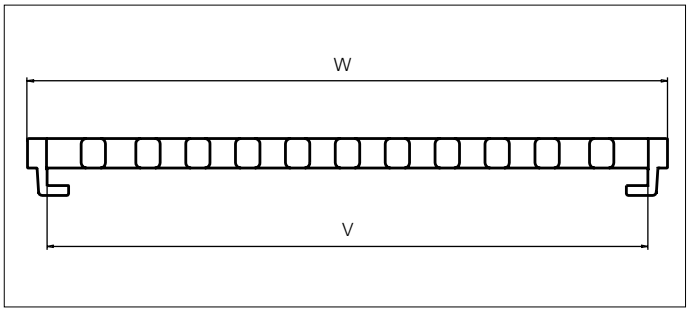
Type	Material & color	H	
		mm	in
Side Guard Closed	POM-D B	10.0 25.4 50.0	0.39 1.00 1.97
Side Guard Open		50.0	1.97
Side Guard Outside Closed		25.4	1.00

Min. indent for Side Guard Closed and Side Guard Open: 55.0 mm (2.17 in) and Increment 25.4 mm (1.00 in).
Min/max indent for Side Guard Outside Closed: 10.0 mm (0.39 in).
Non Standard material and color: See uni Material and Color Overview.

Accessories

Bottom Tab



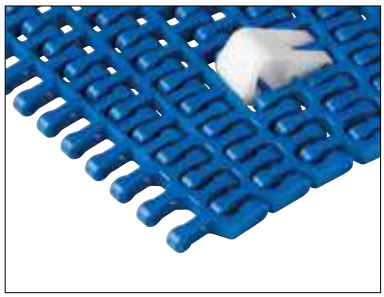


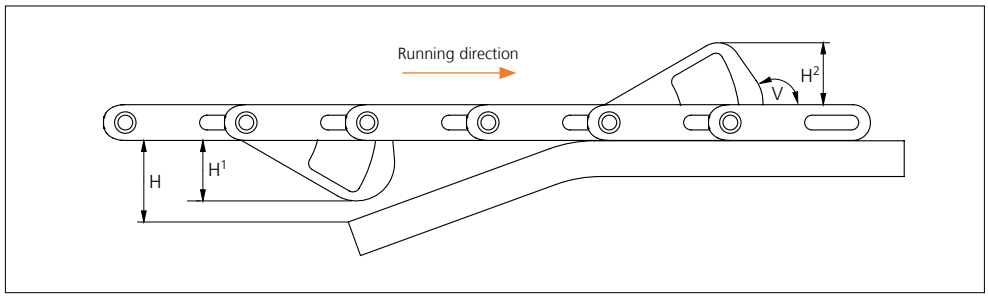
Type	Bottom Tab material and colors	S		V		W		Y		Z	
		mm	in	mm	in	mm	in	mm	in	mm	in
Hold Down Edge	POM-D B W	11.0	0.43	306.5	12.07	325.9	12.83	9.0	0.35	14.0	0.55
	PP B W										

Non Standard material and color: See uni Material and Color Overview.

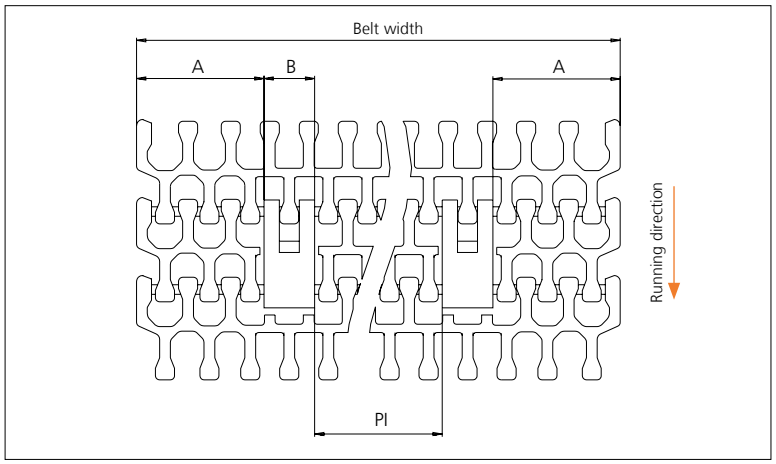
Accessories

AmFlight





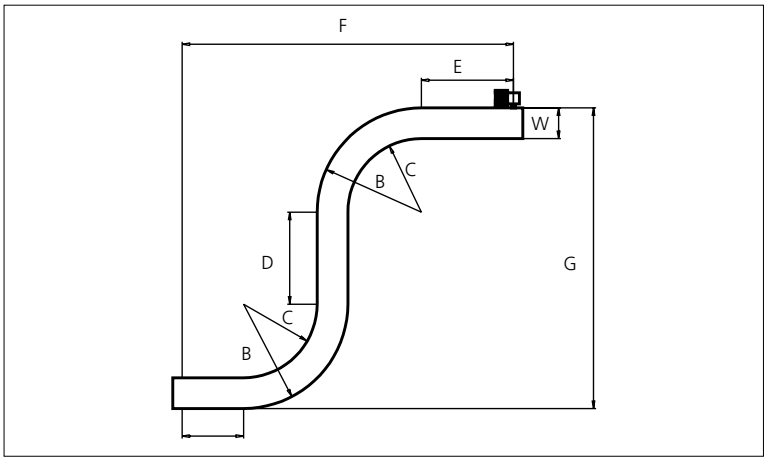
Type	Material & color	H	H¹		H²		V
			mm	in	mm	in	
Push	PE W	H > H¹	25.4	1.00	26.0	1.02	125°



	mm	in
A min	83.0	3.27
B	33.0	1.30
Pl min	68.5	2.70

Increment: 25.4 mm (1.00 in).

Design Guidelines



	uni Flex L-ASB R2.2
A	min. 1.5 x W
B	min. 3.2 x W
C	min. 2.2 x W
D	min. 2.0 x W
E	min. 2.0 x W
F	min. 8.9 x W
G	min. 8.4 x W

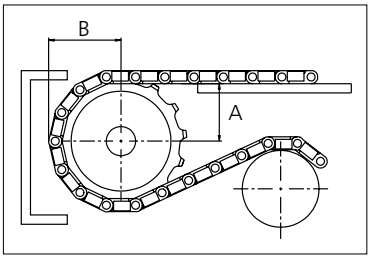
For min. conveyor dimensions please refer to sketch and diagram.

Sprocket

No. of teeth	Bore size								Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	N PA6 Machined
	Pilot Bore	in	1.00	1.18	1.25	1.50	1.57	2.50												
		mm	25.4	30.0	31.8	38.1	40.0	63.5	mm	in	mm	in	mm	in	mm	in	mm	in		
Z08	✓		● ■	●			● ■		134.6	5.30	131.5	5.18	107.6	4.23	54.4	2.14	74.9	2.95	✓	✓
Z10	✓		● ■	●	●		● ■		168.3	6.63	164.0	6.46	141.3	5.56	71.4	2.81	90.8	3.57	✓	✓
Z12	✓		●		●	● ■	● ■	■	203.5	8.01	196.5	7.74	176.5	6.94	88.2	3.47	106.8	4.20	✓	✓
Z15	✓		●		●	● ■	● ■	■	253.4	9.98	245.4	9.66	226.4	8.91	113.2	4.46	131.0	5.16	✓	✓

■ **Machined sprocket** ● **Machined sprocket**

Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request
Two-part sprocket are available upon request
Other bore sizes are available upon request
uni Retainer Rings: See uni Retainer Ring data sheet
Width of tooth = 15.0 mm (0.59 in)
Width of sprocket = 30.0 mm (1.18 in)

Max. load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex L-ASB.
For more detailed sprocket information, contact Customer Service.

Bandas para aplicaciones específicas

Paso de 19.05 mm (0.75 pulgadas)

uni Light – una banda única para aplicaciones ligeras

La banda uni Light está diseñada para aplicaciones con un gran volumen de producción, acumulación y en las que es necesaria una transferencia suave entre transportadores.

Las bandas uni Light mejoran el rendimiento en las siguientes industrias/aplicaciones:

- Papel/pañuelos de papel, incluyendo separadores, mesas de acumulación y aplicaciones de envoltorio
- Bebidas, incluyendo depaletizadoras, paletizadoras, mesas de acumulación y líneas de aceleración
- Fabricación de latas, incluyendo paletizadoras, manipulado de masas y mesas de acumulación
- Manipulación de material
- Frutas y verduras, incluyendo mesas de inspección, transportadores de elevación e inclinados
- Panadería, incluyendo líneas de enfriamiento, manipulación de masas y transportadores de bandejas

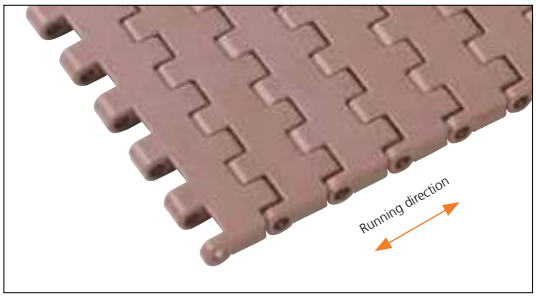
Características del producto y ventajas de funcionamiento:

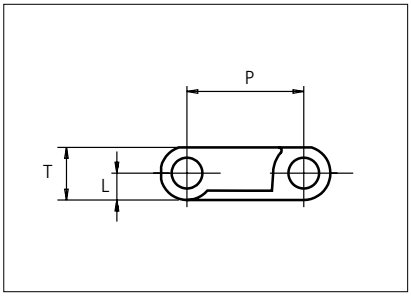
- Paso pequeño para aplicaciones a velocidad alta y transferencias pequeñas
- Mantenimiento fácil y menos tiempos muertos, gracias a su sistema único de cierre (lockpin)
- Aperturas únicas para un rendimiento alto (ej. 10% apertura para cerezas con rabo)
- Superficie lisa para una estabilidad alta (ej. producción de latas con cantos vivos)
- Sup. superior de goma de fricción alta, para aplicaciones de separación o transportadores inclinados

EN

Plastic Modular Belt

Series **uni Light** Type **C**





Straight running belt
Nominal pitch: 19.1 mm (0.75 in)
Surface type: Flat
Surface opening: Closed
Backflex radius: 25.0 mm (2.0 in)
Pin diameter: 5.0 mm (0.20 in)

Belt material & color	POM-LF BR	PP W G K	PP B	PA6 K
Pin and lock material & color	PP W	PP W	PP B	PBT-GR N / PP G

	mm	in		mm	in
P (Nominal)	19.1	0.75	**T**	8.5	0.33
L	4.3	0.17	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PE W PP W PA6.6 N B PBT LG SS304 PP W Lockpin: PBT LG PA6.6 D N PP W B

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-LF/PP		PP/PP		PA6/PBT-GR		POM-LF/PP		PP/PP		PA6/PBT-GR			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
58	2.3	595	134	297	67	595	134	0.4	0.27	0.3	0.19	0.3	0.22	2	2	2
77	3.0	789	177	395	89	789	177	0.5	0.35	0.4	0.25	0.4	0.29	2	2	2
115	4.5	1175	264	587	132	1175	264	0.8	0.52	0.6	0.37	0.6	0.43	2	2	2
153	6.0	1572	353	786	177	1572	353	1.0	0.70	0.7	0.49	0.9	0.58	2	2	2
230	9.0	2355	529	1177	265	2355	529	1.6	1.05	1.1	0.74	1.3	0.86	2	2	2
306	12.1	3138	705	1569	353	3138	705	2.1	1.40	1.5	0.99	1.7	1.15	3	3	2
383	15.1	3921	881	1960	441	3921	881	2.6	1.75	1.8	1.23	2.1	1.44	3	3	2
459	18.1	4704	1057	2352	529	4704	1057	3.1	2.10	2.2	1.48	2.6	1.73	4	4	2
535	21.1	5486	1233	2743	617	5486	1233	3.6	2.45	2.6	1.73	3.0	2.01	4	4	2
612	24.1	6269	1409	3135	705	6269	1409	4.2	2.80	2.9	1.97	3.4	2.30	5	5	3
688	27.1	7052	1585	3526	793	7052	1585	4.7	3.14	3.3	2.22	3.9	2.59	5	5	3
764	30.1	7835	1761	3918	881	7835	1761	5.2	3.49	3.7	2.47	4.3	2.88	6	6	3
841	33.1	8618	1937	4309	969	8618	1937	5.7	3.84	4.0	2.71	4.7	3.16	6	6	3

Additional standard belt widths are available in steps of 76.4 mm (3.01 in.) Additional non-standard belt widths are available in steps of 19.1 mm (0.75 in.)

1910	75.2	19578	4401	9789	2201	19578	4401	13.0	8.73	9.2	6.16	10.7	7.19	13	13	7

Additional standard belt widths are available in steps of 76.4 mm (3.01 in.) Additional non-standard belt widths are available in steps of 19.1 mm (0.75 in.)

2980	117.3	30545	6867	15273	3433	30545	6867	20.3	13.62	14.3	9.61	16.7	11.22	20	20	10

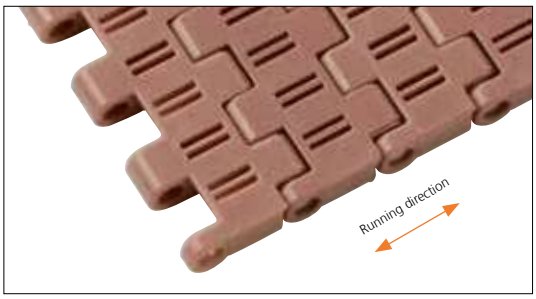
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
The belt width in PA6 is 0.8 % wider than the belt width in the table
*Max. Load per Drive Sprocket. Belt material: POM-LF 1250 N (281 lbf),PP 700 N (157 lbf), PA6 1250 N (281 lbf)
**Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)

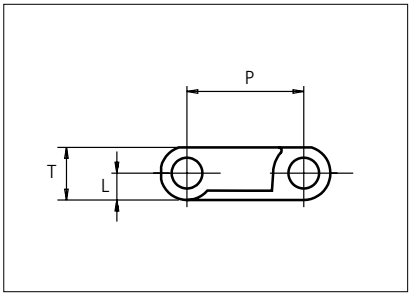
= Single Link

EN

Plastic Modular Belt

Series **uni Light** Type **10%**





Straight running belt
Nominal pitch: 19.1 mm (0.75 in)
Surface type: Flat
Surface opening: 10%
Backflex radius: 25.0 mm (2.0 in)
Pin diameter: 5.0 mm (0.20 in)

STANDARD

STRAIGHT RUNNING

PITCH 19.1 MM/0.75 IN

Belt material & color	POM-LF BR
Pin material & color	PP W

	mm	in		mm	in
P (Nominal)	19.1	0.75	**T**	8.5	0.33
L	4.3	0.17	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PE W PP W PA6.6 N B PBT LG SS304 PP W Lockpin: PBT LG PA6.6 D N PP W B

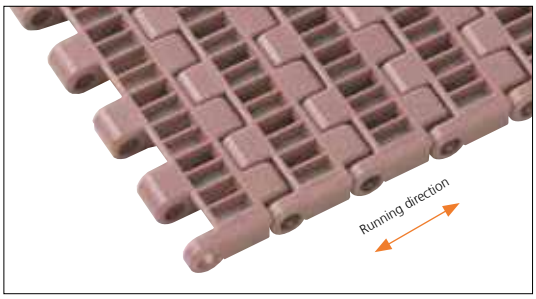
Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-LF/PP		POM-LF/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
77	3.0	789	177	0.5	0.32	2	2	2
115	4.5	1175	264	0.7	0.48	2	2	2
153	6.0	1572	353	1.0	0.64	2	2	2
230	9.0	2355	529	1.4	0.96	2	2	2
306	12.1	3138	705	1.9	1.28	3	3	2
383	15.1	3921	881	2.4	1.59	3	3	2
459	18.1	4704	1057	2.8	1.91	4	4	2
535	21.1	5486	1233	3.3	2.23	4	4	2
612	24.1	6269	1409	3.8	2.55	5	5	3
688	27.1	7052	1585	4.3	2.87	5	5	3
764	30.1	7835	1761	4.7	3.19	6	6	3
841	33.1	8618	1937	5.2	3.50	6	6	3
917	36.1	9401	2113	5.7	3.82	7	7	4
Additional standard belt widths are available in steps of 76.4 mm (3.01 in.) Additional non-standard belt widths are available in steps of 19.1 mm (0.75 in.)								
1910	75.2	19578	4401	11.8	7.96	13	13	7
Additional standard belt widths are available in steps of 76.4 mm (3.01 in.) Additional non-standard belt widths are available in steps of 19.1 mm (0.75 in.)								
2980	117.3	30545	6867	18.5	12.42	20	20	10

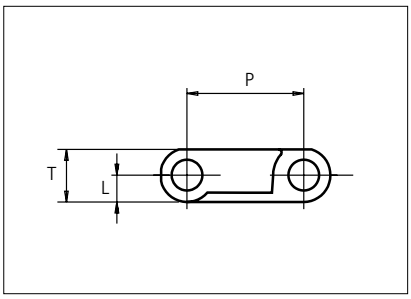
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-LF 1250 N
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).
= Single Link

EN

Plastic Modular Belt

Series **uni Light** Type **22%**





Straight running belt
Nominal pitch: 19.1 mm (0.75 in)
Surface type: Flat
Surface opening: 22%
Backflex radius: 25.0 mm (2.0 in)
Pin diameter: 5.0 mm (0.20 in)

Belt material & color	POM-LF BR	PP G
Pin material & color	PP W	

	mm	in		mm	in
P (Nominal)	19.1	0.75	**T**	8.5	0.33
L	4.3	0.17	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PE W PP W PA6.6 N B PBT LG SS304 PP W Lockpin: PBT LG PA6.6 D N PP W B

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-LF/PP		PP/PP		POM-LF/PP		PP/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	789	177	395	89	0.4	0.29	0.3	0.21	2	2	2
115	4.5	1175	264	587	132	0.6	0.43	0.5	0.31	2	2	2
153	6.0	1572	353	786	177	0.9	0.58	0.6	0.41	2	2	2
230	9.0	2355	529	1177	265	1.3	0.86	0.9	0.62	2	2	2
306	12.1	3138	705	1569	353	1.7	1.15	1.2	0.82	3	3	2
383	15.1	3921	881	1960	441	2.1	1.44	1.5	1.03	3	3	2
459	18.1	4704	1057	2352	529	2.6	1.73	1.8	1.23	4	4	2
535	21.1	5486	1233	2743	617	3.0	2.01	2.1	1.44	4	4	2
612	24.1	6269	1409	3135	705	3.4	2.30	2.4	1.64	5	5	3
688	27.1	7052	1585	3526	793	3.9	2.59	2.8	1.85	5	5	3
764	30.1	7835	1761	3918	881	4.3	2.88	3.1	2.05	6	6	3
841	33.1	8618	1937	4309	969	4.7	3.16	3.4	2.26	6	6	3
917	36.1	9401	2113	4700	1057	5.1	3.45	3.7	2.47	7	7	4

Additional standard belt widths are available in steps of 76.4 mm (3.01 in.) Additional non-standard belt widths are available in steps of 19.1 mm (0.75 in.)

1910	75.2	19578	4401	9789	2201	10.7	7.19	7.6	5.13	13	13	7

Additional standard belt widths are available in steps of 76.4 mm (3.01 in.) Additional non-standard belt widths are available in steps of 19.1 mm (0.75 in.)

2980	117.3	30545	6867	15273	3433	16.7	11.22	11.9	8.01	20	20	10

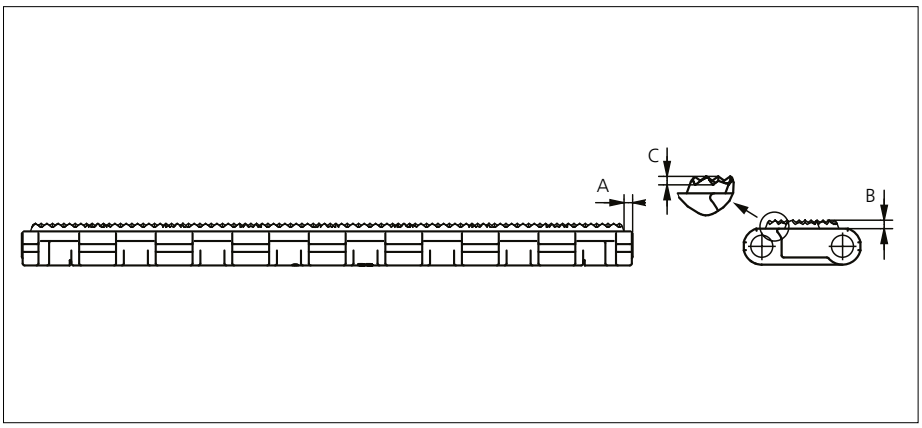
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-LF 1250 N (281 lbf),PP 700 N (157 lbf)
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)
= Single Link

uni chains

STANDARD
STRAIGHT RUNNING
PITCH 19.1 MM/0.75 IN

Accessories

Rubber Top

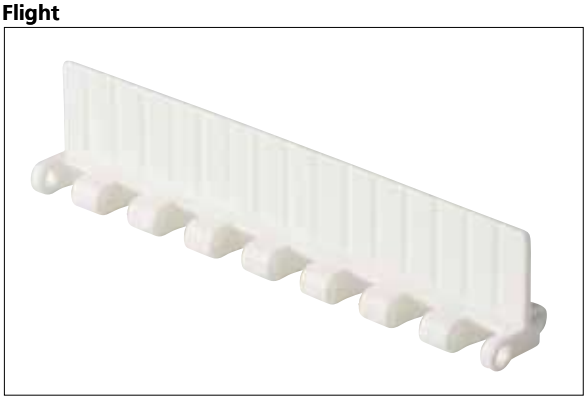


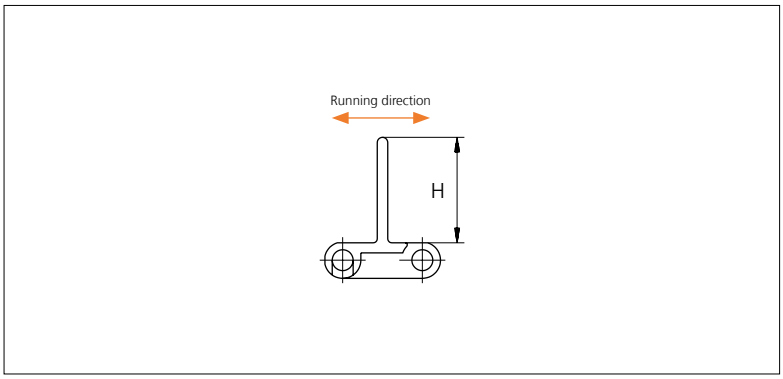
Type	Belt Material & color	Rubber Material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
NON STANDARD Flat	PP K	03 K	2.0	0.08	2.0	0.08	-	-	K300	76.0	2.99
									K450	114.0	4.49
STANDARD Rough							1.0	0.04	K600	150.5	5.93

Indent 15.0 mm (0.59 in) is only avaliable in size 228.6 mm (9 in) and wider.

Accessories

Flight



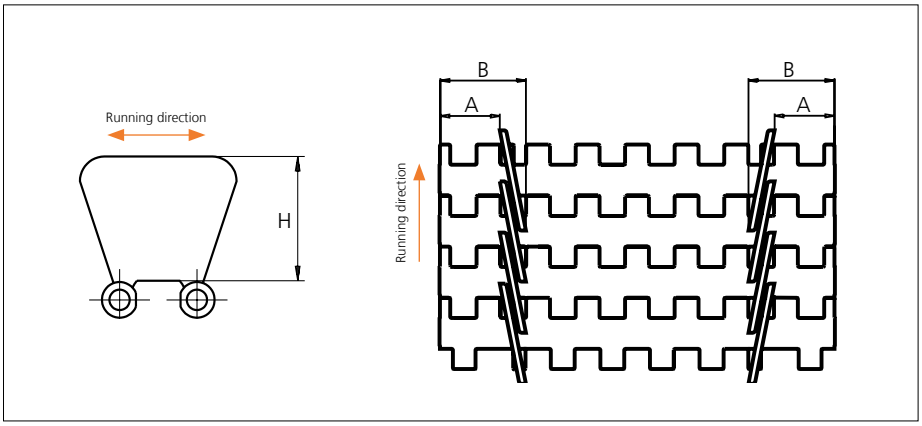


Type	Flight Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-I W	25.4	1.00	K300	76.4	3.01	0.0	0.00
	PP-I W G PA6 K 04 K			K600	152.8	6.02	0.0	0.00
Non Stick	PP-I W G PA6 K	25.4	1.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I W	25.4	1.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I W G PA6 K	50.8	2.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I G PA6 K	50.8	2.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I W G 04 K	76.2	3.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I W G	76.2	3.00	K600	152.8	6.02	15.0	0.59

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard

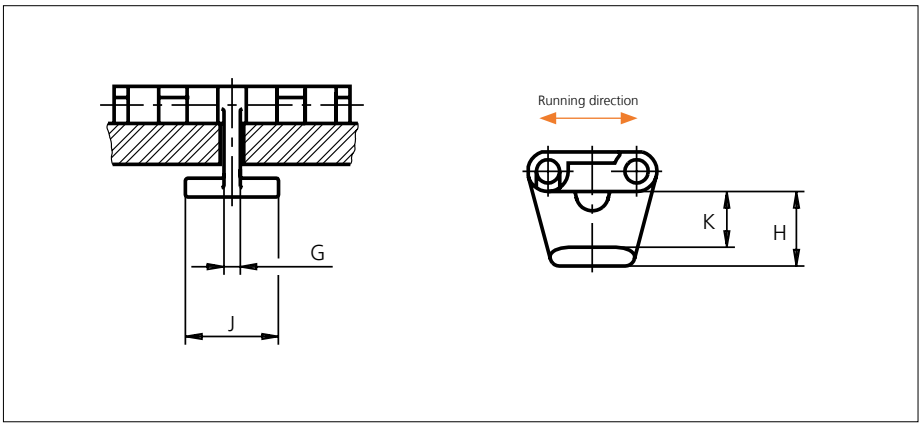


Type	Side Guard Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	PP-I W G	31.4	1.24	15.0	0.59	25.0	0.98

Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab



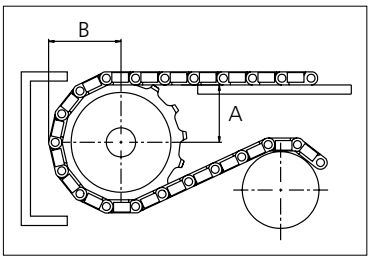
Type	Tab Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	3.5	0.14	20.0	0.79	11.7	0.46	15.9	0.63

Non Standard material and color: See uni Material and Color Overview.

Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	LG PA6 Molded	PA6 Machined
	Pilot bore	in	**0.75**	0.78	0.98	**1.00**	1.18	**1.25**	**1.50**	1.57	2.36	**2.50**	3.54														
		mm	19.1	**20.0**	**25.0**	25.4	**30.0**	31.8	38.1	**40.0**	**60.0**	63.5	**90.0**	mm	in	mm	in	mm	in	mm	in	mm	in				
Z07	x		●	●										42.6	1.68	43.9	1.73	30.0	1.18	15.4	0.61	26.3	1.04	x		x	
Z10	x					●	●							61.7	2.43	61.6	2.43	45.0	1.77	25.0	0.98	35.2	1.39	x		x	
Z17	x				●	●	●	●	■	■				105.0	4.13	103.7	4.08	65.0	2.56	46.6	1.83	56.2	2.21	x		x	
Z24	x					●	●	●	■	●■				147.2	5.80	146.0	5.75	70.0	2.76	68.0	2.68	77.3	3.04	x		x	
Z25	x						●	●	●■	●■				153.3	6.04	152.0	5.98	70.0	2.76	71.0	2.80	80.3	3.16	x		x	

■ **Molded sprocket** ● **Molded sprocket**



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request.
Two-part sprocket are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet.
Width of tooth = 4.8 mm (0.19 in)
Width of sprocket = 25.0 mm (0.98 in)

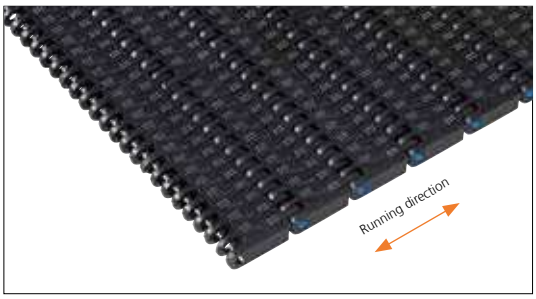
Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

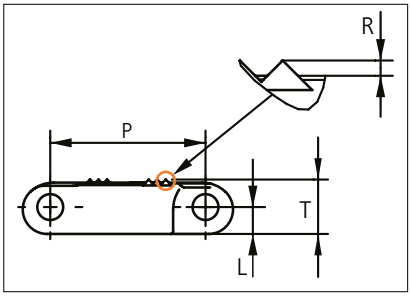
For correct sprocket position: See uni Assembly Instructions for uni Light.
For more detailed sprocket information. contact Customer Service.

EN

Plastic Modular Belt

Series **uni LPB** Type **Rough**





Straight running belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Rough POM-NL (R10)
Surface type: Rough PP-FREC (R11)
Surface opening: Closed
Backflex radius: 25.0 mm (0.98 in)
Pin diameter: 4.0 mm (0.16 in)

Belt material & color	POM-NL **K**	PP-FREC **K**
Pin material & color	PA6.6 **B**	

	mm	in		mm	in
P (Nominal)	25.4	1.00	**R**	0.9	0.04
L	4.4	0.17	**T**	8.9	0.35

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PBT **LG**

Belt width		Permissible tensile force (Belt/pin material)				***Belt weight (Belt/pin material)				Min No drive sprocket per shaft	Number of wear strips (min no)	
		POM-NL/PA66		PP-FREC/PA66		POM-NL/PA66		PP-FREC/PA66			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	Kg/m	lb/ft	Kg/m	lb/ft			
153	6.0	5355	1204	1913	430	1.0	0.68	0.7	0.45	2	1	1
229	9.0	8015	1802	2863	643	1.5	1.02	1.0	0.68	2	1	1
305	12.0	10675	2400	3813	857	2.0	1.35	1.3	0.90	3	3	2
381	15.0	13335	2998	4763	1071	2.5	1.69	1.7	1.13	3	3	2
457	18.0	15995	3596	5713	1284	3.0	2.03	2.0	1.35	4	4	2
533	21.0	18655	4194	6663	1498	3.5	2.36	2.3	1.58	4	4	2
609	24.0	21315	4792	7613	1711	4.0	2.70	2.7	1.80	5	5	3
686	27.0	24010	5397	8575	1928	4.5	3.04	3.0	2.03	5	5	3
762	30.0	26670	5995	9525	2141	5.0	3.38	3.4	2.25	6	6	3
838	33.0	29330	6593	10475	2355	5.5	3.72	3.7	2.48	6	6	3
914	36.0	31990	7191	11425	2568	6.0	4.05	4.0	2.70	7	7	4
990	39.0	34650	7789	12375	2782	6.5	4.39	4.4	2.93	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in). Additional non-standard belt widths are available in steps of 76.0 mm (2.99 in).

1979	77.9	69265	15571	24738	5561	13.1	8.78	8.7	5.85	14	14	7

Additional standard belt widths are available in steps of 76.0 mm (2.99 in). Additional non-standard belt widths are available in steps of 76.0 mm (2.99 in).

2969	116.9	103915	23360	37113	8343	19.6	13.17	13.1	8.78	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request
*Max. Load per Drive Sprocket. Belt material: POM-NL 2300 N (517 lbf), PP-FREC 1300 N (292 lbf)
**Full Carry way support (FS) deck of wearstrip material recommended for safe walk belts.
***Return belt support via free running gravity rollers recommended to avoid marking safe walk belt surface.
Surface grip in material NL (R10), PP-FREC (R11).
= Single Link

STANDARD
STRAIGHT RUNNING
PITCH 25.4 MM/1.00 IN

Sprocket

No. of teeth	Bore size									Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	LG PA6 Moulded
	Pilot bore	in	1.00	1.18	1.25	1.50	1.57	2.36	2.50	mm	in	mm	in	mm	in	mm	in	mm	in		
		mm	25.4	30.0	31.8	38.1	40.0	60.0	63.5												
Z10	✓		●	●	●	■	●			80.3	3.16	82.2	3.24	65.0	2.56	34.7	1.36	45.5	1.79	✓	✓
Z12	✓		●	●	●	■	●■			96.8	3.81	98.1	3.86	70.0	2.76	43.0	1.69	53.5	2.11	✓	✓
Z15	✓			●	●	●■	●■	[2]■	[1]■	121.5	4.78	122.2	4.81	70.0 [1]100.0 [2]104.0	2.76 [1]3.94 [2]4.09	55.4	2.18	65.5	2.58	✓	✓
Z18	✓			●	●	●■	●■	[2]■	[1]■	146.0	5.75	146.3	5.76	70.0 [2]104.0 [1]120.0	2.76 [2]4.09 [1]4.72	67.6	2.66	77..5	3.05	✓	✓
Z19	✓			●	●	●■	■	[1]■	[1]■	154.2	6.07	154.3	6.07	70.0 [1]120.0	2.76 [1]4.72	71.7	2.82	81.6	3.21	✓	✓

● Moulded sprocket ■ Moulded sprocket ■ Moulded sprocket

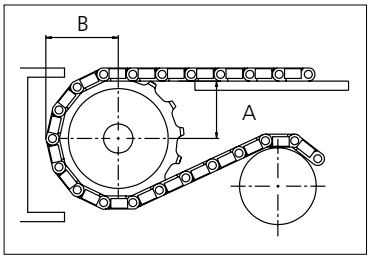
Other sprocket sizes are available upon request.
Round bores are always delivered with keyway.
Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet.
Width of tooth = 10.0 mm (0.39 in)
Width of OnePart sprocket = 25.0 mm (0.98 in)

uni UltraFit Two-Part Sprocket

No. of teeth	in	1.50	1.57	2.36	2.50	Overall diameter		Pitch diameter		Hub/adapter diameter		Hub/adapter width		Dimension A		Dimension B		Single row/Two way	LG PA6 Moulded	B POM-D Adapter Moulded
	mm	38.1	40.0	60.0	63.5	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in			
Z12		■	■			96.8	3.81	98.2	3.87	83.0	3.27	25.0 76.0	0.98 2.99	43	1.69	53.5	2.11	✓	✓	✓
Z13		■	■			104.8	4.13	106.2	4.18	83.0	3.27	25.0 76.0	0.98 2.99	47.1	1.86	57.1	2.25	✓	✓	✓
Z15		■	■	■	■	121.5	4.78	122.5	4.82	106.0	4.14	25.0 76.0	0.98 2.99	55.4	2.18	65.5	2.58	✓	✓	✓
Z16		■	■	■	■	129.7	5.11	130.2	5.13	106.0	4.14	25.0 76.0	0.98 2.99	59.5	2.35	69.5	2.74	✓	✓	✓
Z18		■	■	■	■	146.1	5.75	146.3	5.76	106.0	4.14	25.0 76.0	0.98 2.99	67.6	2.66	77.5	3.05	✓	✓	✓
Z19		■	■	■	■	154.2	6.07	154.3	6.07	106.0	4.14	25.0 76.0	0.98 2.99	71.7	2.82	81.6	3.21	✓	✓	✓

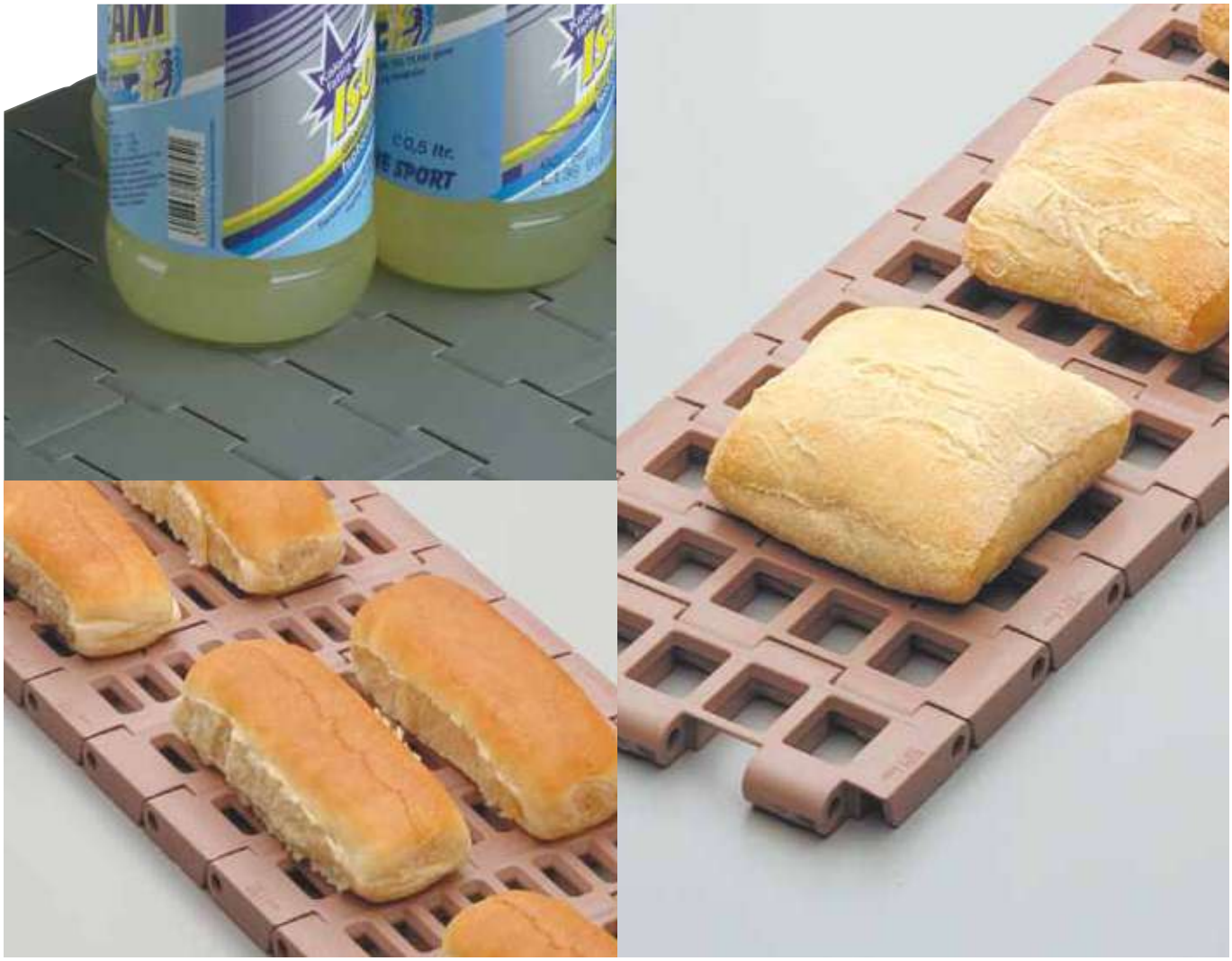
■ Moulded uni UltraFit TwoPart Sprocket (Narrow adapter)

■ Moulded uni UltraFit TwoPart Sprocket (Wide adapter)



For correct sprocket position:
See uni Assembly Instructions for uni QNB.
For more detailed sprocket information contact Customer Service.

Paso de 38.1 mm (1.50 pulgadas)



uni SSB – una banda fuerte con una resistencia sólida al desgaste

La banda uni SSB de paso 1.5 pulgadas se creó para aplicaciones pesadas, como mesas de acumulación y empaquetadoras. La banda uni SSB puede combinarse con cadenas uni SSB en tramos múltiples de separadores para incrementar la velocidad de los transportadores y la salida del producto.

La banda uni SSB ha mejorado el rendimiento en las siguientes industrias/aplicaciones:

- Fruta y verdura, incluyendo líneas de llenado, enlatado, mesas de acumulación y aplicaciones inclinadas
- Panadería y aperitivos, incluyendo líneas de enfriamiento, manipulación de bandejas y entrada/salida del horno
- Bebidas, incluyendo transporte de cajas, líneas de extracción, separadores, mesas de acumulación y aplicaciones inclinadas
- Fabricación de latas, incluyendo manipulación masiva, transportadores de transferencia, mesas de acumulación y alimentación de paletizadoras
- Manipulación de material

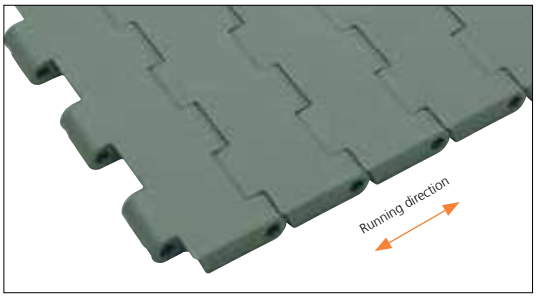
Características del producto y ventajas de funcionamiento:

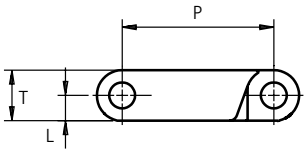
- El diseño amplio y cerrado incrementa la estabilidad del producto y reduce el desgaste de los pasadores
- Sus bordes achaflanados permiten una transferencia lateral estable
- Sistema de cierre único, sin riesgo de que salgan o se pierdan los pasadores
- Área abierta única para transportadores de enfriamiento o aplicaciones de drenaje inclinadas

EN

Plastic Modular Belt

Series **uni SSB** Type **C**





Straight running belt
Nominal pitch: 38.1 mm (1.50 in)
Surface type: Flat
Surface opening: Closed
Backflex radius: 45.0 mm (1.8 in)
Pin diameter: 6.4 mm (0.25 in)

Belt material & color	POM-LF BR	PP G
Pin and lock material & color	PBT-GR N	PP B

	mm	in		mm	in
P (Nominal)	38.1	1.50	**T**	12.7w	0.50
L	6.4	0.25	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PP W PA66 N SS304

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-LF/PBT-GR		PP/PBT-GR		POM-LF/PBT-GR		PP/PBT-GR			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
83	3.3	2988	672	1079	243	0.9	0.63	0.6	0.41	2	2	2
115	4.5	4140	931	1495	336	1.3	0.87	0.9	0.57	2	2	2
153	6.0	5513	1239	1991	448	1.7	1.16	1.1	0.76	2	2	2
191	7.5	6876	1546	2483	558	2.2	1.45	1.4	0.95	2	2	2
229	9.0	8244	1853	2977	669	2.6	1.74	1.7	1.14	2	2	2
305	12.0	10980	2468	3965	891	3.4	2.32	2.3	1.52	3	3	2
381	15.0	13716	3083	4953	1113	4.3	2.89	2.8	1.89	3	3	2
457	18.0	16452	3698	5941	1336	5.2	3.47	3.4	2.27	4	4	2
533	21.0	19188	4313	6929	1558	6.0	4.05	3.9	2.65	4	4	2
609	24.0	21924	4929	7917	1780	6.9	4.62	4.5	3.03	5	5	3
685	27.0	24660	5544	8905	2002	7.7	5.20	5.1	3.41	5	5	3
761	30.0	27396	6159	9893	2224	8.6	5.78	5.6	3.78	6	6	3

Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

1979	77.9	71244	16016	25727	5783	22.4	15.03	14.6	9.84	14	14	7

Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

2968	116.9	106848	24019	38584	8674	33.5	22.54	22.0	14.76	20	20	10

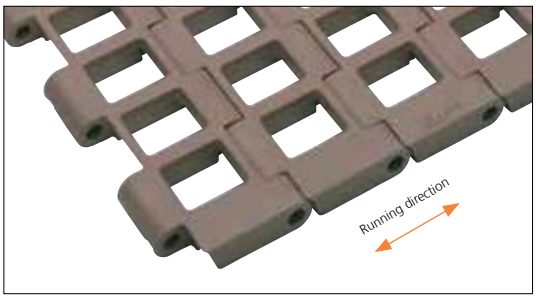
For belt width above 2968 mm, please contact our customer service to review packaging and handling.
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-LF 2000 N (450 lbf), PP 1200 N (270 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
= Single Link

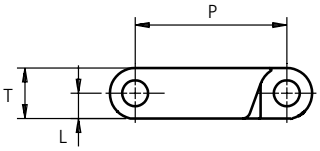
STANDARD
STRAIGHT RUNNING
PITCH 38.1 MM/1.50 IN

EN

Plastic Modular Belt

Series **uni SSB** Type **32%**





Straight running belt
Nominal pitch: 38.1 mm (1.50 in)
Surface type: Flat
Surface opening: 32%
Backflex radius: 45.0 mm (1.8 in)
Pin diameter: 6.4 mm (0.25 in)

Recommended belt material & color	POM-LF BR	PP G
Recommended pin and lock material & color	PBT-GR N	PP B

	mm	in		mm	in
P (Nominal)	38.1	1.50	**T**	12.7	0.50
L	6.4	0.25	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PP W PA66 N SS304

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-LF/PBT-GR		PP/PBT-GR		POM-LF/PBT-GR		PP/PBT-GR			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
153	6.0	5508	1238	1989	447	1.7	1.16	1.1	0.76	2	2	2
229	9.0	8244	1853	2977	669	2.6	1.74	1.7	1.14	2	2	2
305	12.0	10980	2468	3965	891	3.4	2.32	2.3	1.52	3	3	2
381	15.0	13716	3083	4953	1113	4.3	2.89	2.8	1.89	3	3	2
457	18.0	16452	3698	5941	1336	5.2	3.47	3.4	2.27	4	4	2
533	21.0	19188	4313	6929	1558	6.0	4.05	3.9	2.65	4	4	2
609	24.0	21924	4929	7917	1780	6.9	4.62	4.5	3.03	5	5	3
685	27.0	24660	5544	8905	2002	7.7	5.20	5.1	3.41	5	5	3
761	30.0	27396	6159	9893	2224	8.6	5.78	5.6	3.78	6	6	3
838	33.0	30168	6782	10894	2449	9.5	6.36	6.2	4.17	6	6	3
914	36.0	32904	7397	11882	2671	10.3	6.94	6.8	4.55	7	7	4
990	39.0	35640	8012	12870	2893	11.2	7.52	7.3	4.92	7	7	4

Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

1979	77.9	71244	16016	25727	5783	22.4	15.03	14.6	9.84	14	14	7

Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

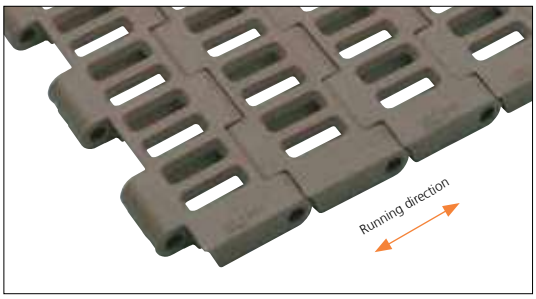
2968	116.9	106848	24019	38584	8674	33.5	22.54	22.0	14.76	20	20	10

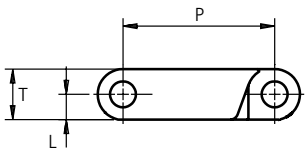
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-LF 2000 N (450 lbf), PP 1200 N (270 lbf).
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).
= Single Link

EN

Plastic Modular Belt

Series **uni SSB** Type **29%**





Straight running belt
Nominal pitch: 38.1 mm (1.50 in)
Surface type: Flat
Surface opening: 29%
Backflex radius: 45.0 mm (1.8 in)
Pin diameter: 6.4 mm (0.25 in)

Recommended belt material & color	POM-LF BR	PP G
Recommended pin and lock material & color	PBT-GR N	PP B

	mm	in		mm	in
P (Nominal)	38.1	1.50	**T**	12.7	0.50
L	6.4	0.25	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PP W PA66 N SS304

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-LF/PBT-GR		PP/PBT-GR		POM-LF/PBT-GR		PP/PBT-GR			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
153	6.0	5508	1238	1989	447	1.7	1.16	1.1	0.76	2	2	2
229	9.0	8244	1853	2977	669	2.6	1.74	1.7	1.14	2	2	2
305	12.0	10980	2468	3965	891	3.4	2.32	2.3	1.52	3	3	2
381	15.0	13716	3083	4953	1113	4.3	2.89	2.8	1.89	3	3	2
457	18.0	16452	3698	5941	1336	5.2	3.47	3.4	2.27	4	4	2
533	21.0	19188	4313	6929	1558	6.0	4.05	3.9	2.65	4	4	2
609	24.0	21924	4929	7917	1780	6.9	4.62	4.5	3.03	5	5	3
685	27.0	24660	5544	8905	2002	7.7	5.20	5.1	3.41	5	5	3
761	30.0	27396	6159	9893	2224	8.6	5.78	5.6	3.78	6	6	3
838	33.0	30168	6782	10894	2449	9.5	6.36	6.2	4.17	6	6	3
914	36.0	32904	7397	11882	2671	10.3	6.94	6.8	4.55	7	7	4
990	39.0	35640	8012	12870	2893	11.2	7.52	7.3	4.92	7	7	4

Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

1979	77.9	71244	16016	25727	5783	22.4	15.03	14.6	9.84	14	14	7

Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

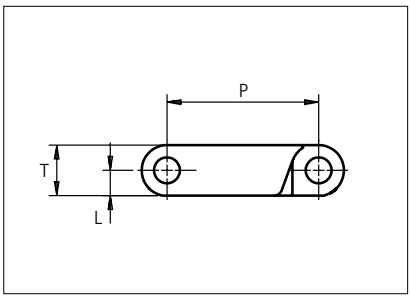
2968	116.9	106848	24019	38584	8674	33.5	22.54	22.0	14.76	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-LF 2000 N (450 lbf), PP 1200 N (270 lbf).
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).
= Single Link

EN

Plastic Modular Belt

Series **uni SSB** Type **22%**



Straight running belt
Nominal pitch: 38.1 mm (1.50 in)
Surface type: Flat
Surface opening: 22%
Backflex radius: 45.0 mm (1.8 in)
Pin diameter: 6.4 mm (0.25 in)

Recommended belt material & color	POM-LF BR	PP G
Recommended pin and lock material & color	PBT-GR N	PP B

	mm	in		mm	in
P (Nominal)	38.1	1.50	**T**	12.7	0.50
L	6.4	0.25	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PP W PA66 N SS304

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-LF/PBT-GR		PP/PBT-GR		POM-LF/PBT-GR		PP/PBT-GR			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
153	6.0	5508	1238	1989	447	1.7	1.16	1.1	0.76	2	2	2
229	9.0	8244	1853	2977	669	2.6	1.74	1.7	1.14	2	2	2
305	12.0	10980	2468	3965	891	3.4	2.32	2.3	1.52	3	3	2
381	15.0	13716	3083	4953	1113	4.3	2.89	2.8	1.89	3	3	2
457	18.0	16452	3698	5941	1336	5.2	3.47	3.4	2.27	4	4	2
533	21.0	19188	4313	6929	1558	6.0	4.05	3.9	2.65	4	4	2
609	24.0	21924	4929	7917	1780	6.9	4.62	4.5	3.03	5	5	3
685	27.0	24660	5544	8905	2002	7.7	5.20	5.1	3.41	5	5	3
761	30.0	27396	6159	9893	2224	8.6	5.78	5.6	3.78	6	6	3
838	33.0	30168	6782	10894	2449	9.5	6.36	6.2	4.17	6	6	3
914	36.0	32904	7397	11882	2671	10.3	6.94	6.8	4.55	7	7	4
990	39.0	35640	8012	12870	2893	11.2	7.52	7.3	4.92	7	7	4

Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

1979	77.9	71244	16016	25727	5783	22.4	15.03	14.6	9.84	14	14	7

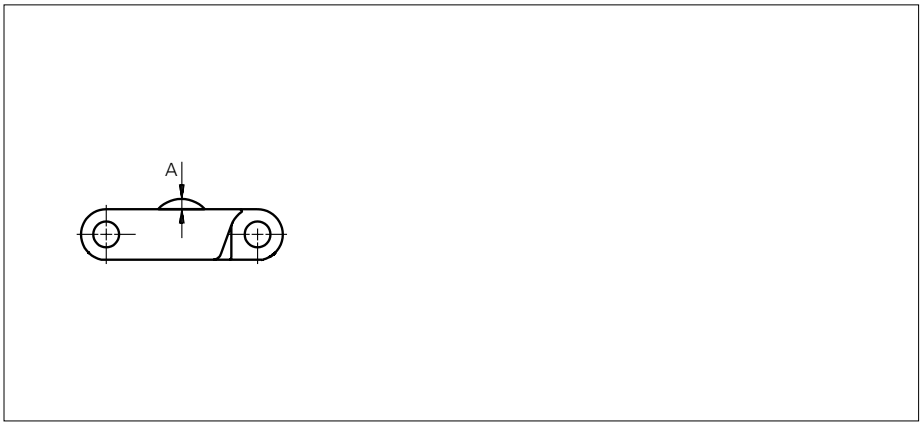
Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

2968	116.9	106848	24019	38584	8674	33.5	22.54	22.0	14.76	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-LF 2000 N (450 lbf), PP 1200 N (270 lbf).
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).
= Single Link

Accessories

Rubber Top

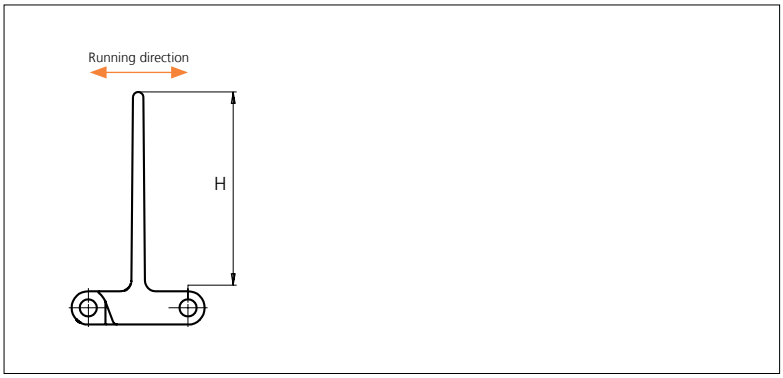


Type	Belt material & color	Rubber material & color	A		Link size	Width	
			mm	in		mm	in
Curved	POM-LF BR	05 I	2.5	0.10	K300	76.0	2.99
					K600	152.2	5.99

Non Standard material and color: See uni Material and Color Overview.

Accessories

Flight



Type	Flight Material & color	H		Link size	Width	
		mm	in		mm	in
Flat	PP-I G	76.1	3.00	K600	152.0	5.99

Non Standard material and color: See uni Material and Color Overview.
Minimum bricklayed indent is for uni SSB Product Support 50.8 mm (2.00 in)
Increment: 25.4 mm (1.00 in)

Sprocket

No. of teeth	Bore size													Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot Bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
		mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in	mm	in				
Z19	x					●	●	●	■	●				117	4.61	117.3	4.62	75	2.95	49.1	1.93	65	2.56	x	x	x	
Z21	x					●	●	●	■	●				130	5.12	129.3	5.09	75	2.95	55.4	2.18	71	2.80	x	x	x	
Z23	x					●	●	●	■	●				142	5.59	141.2	5.56	75	2.95	61.6	2.43	77	3.03	x	x	x	
Z25	x						●	●	● ■	●				155	6.10	153.2	6.03	75	2.95	67.8	2.67	83	3.27	x	x	x	
Z27	x							●	● ■	● ■				167	6.57	165.2	6.5	75	2.95	74	2.91	89	3.50		x		x
Z29	x							●	● ■	● ■				179	7.05	177.2	6.98	75	2.95	80.2	3.16	95	3.74		x		x
Z31	x							●	● ■	● ■				192	7.56	198.3	7.81	75	2.95	86.4	3.40	101	3.98		x		x

Non standard material and color: See uni Material and Color Overview.

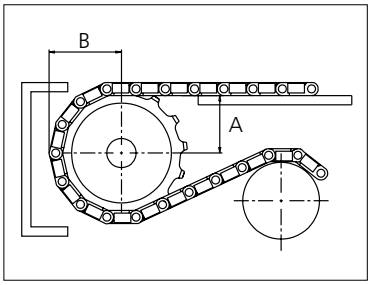
■ **Molded sprocket**

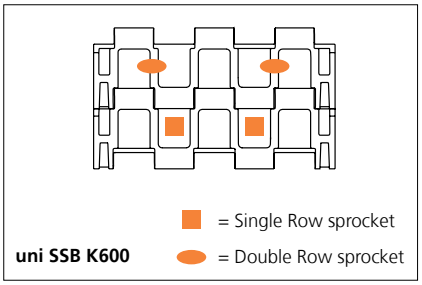
● **Molded sprocket**

● **Molded sprocket**

■ **Machined sprocket**

● **Machined sprocket**





Belt material	POM		PP	
	N	lbf	N	lbf
uni SSB	2000	450	1200	270

Other sprocket sizes are available upon request.
Two-part sprocket are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet.
Width of tooth: 15.0 mm/0.59 in
Width of sprocket: Single row = 42.3 mm (1.67 in)
Double row = 42.3 mm (1.67 in)

Max. load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni SSB.
For more detailed sprocket information, contact Customer Service.

Paso de 38.1 mm (1.50 pulgadas)

uni Light EP – una banda para aplicaciones ligeras

La banda de paso 1.5 pulgadas uni Light EP se ha desarrollado para aplicaciones ligeras como cocinado, escaldado y pasteurizado en la industria alimentaria. Sus distintas aperturas permiten un alto rendimiento con diversos productos alimenticios.

La banda uni Light EP se usa normalmente en las siguientes industrias/aplicaciones:

- Fruta y verdura, incluyendo elevadores, escaldadores, líneas de cocinado y pasteurizadores
- Pasta, incluyendo escaldadores, pasteurizadores y líneas de refrigeración
- Agricultura (maíz y arroz), incluyendo elevadores, escaldadores y líneas de cocinado
- Bebidas, incluyendo mesas de acumulación, pasteurizadores y paletizadoras

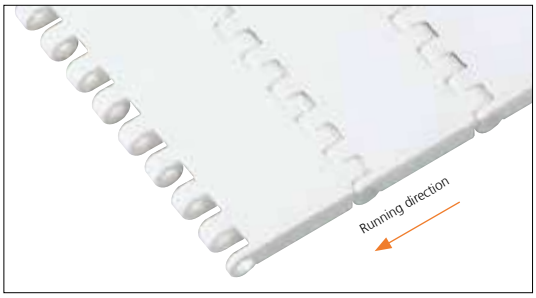
Características del producto y ventajas de funcionamiento:

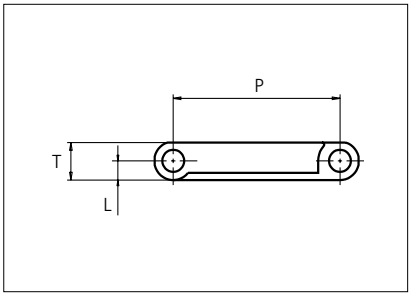
- Gran surtido de aperturas, incluyendo apertura fina para drenaje de agua
- Refuerzo de acero, que evita el alargamiento de la banda en aplicaciones a temperaturas altas
- Soportes reforzados, para elevadores con carga y transportadores inclinados

EN

Plastic Modular Belt

Serie **uni Light EP** Type **C**





Straight running belt
Nominal pitch: 38.1 mm (1.50 in)
Surface type: Flat
Surface opening: Closed
Backflex radius: 75.0 mm (3.0 in)
Pin diameter: 5.0 mm (0.20 in)

Recommended Belt material & color	POM-D N
Recommended Pin and lock material & color	PP W

	mm	in		mm	in
P (Nominal)	38.1	1.50	**T**	8.5	0.33
L	4.3	0.17	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: PP and PE Pin: PP W PA6.6 B PE W PBT LG and SS304 PP W B G PP W
Lockpin: PBT LG PA6.6 N D

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PP		PP/PP		PE/PP		POM-D/PP		PP/PP		PE/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
64	2.5	653	147	326	73	196	44	0.4	0.24	0.2	0.16	0.3	0.17	2	2	2
83	3.3	848	191	424	95	255	57	0.5	0.32	0.3	0.21	0.3	0.22	2	2	2
102	4.0	1046	235	523	118	314	71	0.6	0.39	0.4	0.25	0.4	0.27	2	2	2
115	4.5	1175	264	587	132	352	79	0.7	0.44	0.4	0.28	0.5	0.31	2	2	2
153	6.0	1568	353	784	176	470	106	0.9	0.59	0.6	0.38	0.6	0.41	2	2	2
191	7.5	1958	440	979	220	587	132	1.1	0.73	0.7	0.47	0.8	0.51	2	2	2
204	8.0	2091	470	1046	235	627	141	1.2	0.78	0.8	0.51	0.8	0.55	2	2	2
255	10.0	2614	588	1307	294	784	176	1.5	0.98	0.9	0.63	1.0	0.69	2	2	2
306	12.0	3137	705	1568	353	941	212	1.7	1.17	1.1	0.76	1.2	0.82	3	3	2
357	14.1	3659	823	1830	411	1098	247	2.0	1.37	1.3	0.89	1.4	0.96	3	3	2
408	16.1	4182	940	2091	470	1255	282	2.3	1.56	1.5	1.01	1.6	1.10	3	3	2
459	18.1	4705	1058	2352	529	1411	317	2.6	1.76	1.7	1.14	1.8	1.23	4	4	2
510	20.1	5228	1175	2614	588	1568	353	2.9	1.95	1.9	1.27	2.0	1.37	4	4	2

Additional standard belt widths are available in steps of 50.9 mm (2.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1987	78.2	20367	4578	10183	2289	6110	1374	11.3	7.61	7.4	4.94	7.9	5.34	14	14	7

Additional standard belt widths are available in steps of 50.9 mm (2.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

2955	116.3	30289	6809	15144	3404	9087	2043	16.8	11.32	10.9	7.35	11.8	7.94	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf). PP 600 N (135 lbf). PE 600 N (135 lbf)
**Max. Spacing between wear strips. Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in)

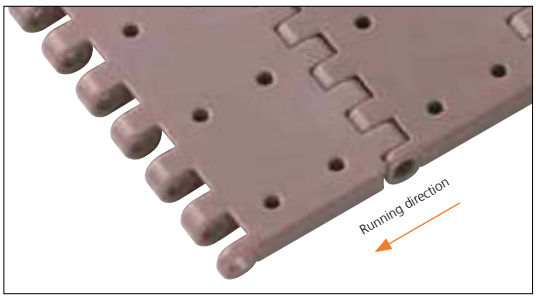
= Single Link

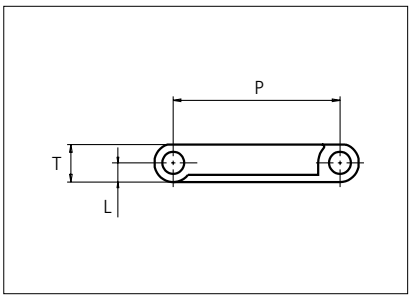
NON STANDARD
STRAIGHT RUNNING
PITCH 38.1 MM/1.50 IN

EN

Plastic Modular Belt

Serie **uni Light EP** Type **Vacuum**





Straight running belt
Nominal pitch: 38.1 mm (1.50 in)
Surface type: Flat
Surface opening: Closed
Backflex radius: 75.0 mm (3.0 in)
Pin diameter: 5.0 mm (0.13 in)

Vacuum holes: ø3.2 mm (0.13 in)

Recommended Belt material & color	POM-LF BR
Recommended Pin and lock material & color	PP W

	mm	in		mm	in
P (Nominal)	38.1	1.50	**T**	8.5	0.33
L	4.3	0.17	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: PP and PE Pin: PP W PA6.6 B PE W PBT LG and SS304 PP W B G PP W
Lockpin: PBT LG PA6.6 N D

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PP		PP/PP		PE/PP		POM-D/PP		PP/PP		PE/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
102	4.0	1046	235	523	118	314	71	0.6	0.39	0.4	0.25	0.4	0.27	2	2	2
153	6.0	1568	353	784	176	470	106	0.9	0.59	0.6	0.38	0.6	0.41	2	2	2
204	8.0	2091	470	1046	235	627	141	1.2	0.78	0.8	0.51	0.8	0.55	2	2	2
255	10.0	2614	588	1307	294	784	176	1.5	0.98	0.9	0.63	1.0	0.69	2	2	2
306	12.0	3137	705	1568	353	941	212	1.7	1.17	1.1	0.76	1.2	0.82	3	3	2
357	14.1	3659	823	1830	411	1098	247	2.0	1.37	1.3	0.89	1.4	0.96	3	3	2
408	16.1	4182	940	2091	470	1255	282	2.3	1.56	1.5	1.01	1.6	1.10	3	3	2
459	18.1	4705	1058	2352	529	1411	317	2.6	1.76	1.7	1.14	1.8	1.23	4	4	2
510	20.1	5228	1175	2614	588	1568	353	2.9	1.95	1.9	1.27	2.0	1.37	4	4	2
561	22.1	5750	1293	2875	646	1725	388	3.2	2.15	2.1	1.39	2.2	1.51	4	4	2
612	24.1	6273	1410	3137	705	1882	423	3.5	2.34	2.3	1.52	2.4	1.65	5	5	3
663	26.1	6796	1528	3398	764	2039	458	3.8	2.54	2.5	1.65	2.7	1.78	5	5	3
714	28.1	7319	1645	3659	823	2196	494	4.1	2.74	2.6	1.78	2.9	1.92	5	5	3

Additional standard belt widths are available in steps of 50.9 mm (2.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1987	78.2	20367	4578	10183	2289	6110	1374	11.3	7.61	7.4	4.94	7.9	5.34	14	14	7

Additional standard belt widths are available in steps of 50.9 mm (2.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

2955	116.3	30289	6809	15144	3404	9087	2043	16.8	11.32	10.9	7.35	11.8	7.94	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf). PP 600 N (135 lbf). PE 600 N (135 lbf)
**Max. Spacing between wear strips. Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

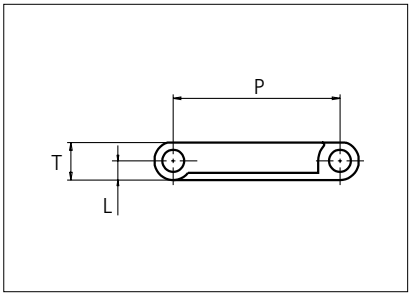
= Single Link

NON STANDARD
STRAIGHT RUNNING
PITCH 38.1 MM/1.50 IN

EN

Plastic Modular Belt

Serie **uni Light EP** Type **8.5%**



Straight running belt
Nominal pitch: 38.1 mm (1.50 in)
Surface type: Flat
Surface opening: 8.5%
Backflex radius: 75.0 mm (3.0 in)
Pin diameter: 5.0 mm (0.20 in)

Recommended Belt material & color	POM-D N
Recommended Pin and lock material & color	PP W

	mm	in		mm	in
P (Nominal)	38.1	1.50	**T**	8.5	0.33
L	4.3	0.17	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: PP and PE Pin: PP W PA6.6 B PE W PBT LG and SS304 PP W B G PP W
Lockpin: PBT LG PA6.6 N D

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PP		PP/PP		PE/PP		POM-D/PP		PP/PP		PE/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
102	4.0	1046	235	523	118	314	71	0.6	0.39	0.4	0.25	0.4	0.27	2	2	2
153	6.0	1568	353	784	176	470	106	0.9	0.59	0.6	0.38	0.6	0.41	2	2	2
204	8.0	2091	470	1046	235	627	141	1.2	0.78	0.8	0.51	0.8	0.55	2	2	2
255	10.0	2614	588	1307	294	784	176	1.5	0.98	0.9	0.63	1.0	0.69	2	2	2
306	12.0	3137	705	1568	353	941	212	1.7	1.17	1.1	0.76	1.2	0.82	3	3	2
357	14.1	3659	823	1830	411	1098	247	2.0	1.37	1.3	0.89	1.4	0.96	3	3	2
408	16.1	4182	940	2091	470	1255	282	2.3	1.56	1.5	1.01	1.6	1.10	3	3	2
459	18.1	4705	1058	2352	529	1411	317	2.6	1.76	1.7	1.14	1.8	1.23	4	4	2
510	20.1	5228	1175	2614	588	1568	353	2.9	1.95	1.9	1.27	2.0	1.37	4	4	2
561	22.1	5750	1293	2875	646	1725	388	3.2	2.15	2.1	1.39	2.2	1.51	4	4	2
612	24.1	6273	1410	3137	705	1882	423	3.5	2.34	2.3	1.52	2.4	1.65	5	5	3
663	26.1	6796	1528	3398	764	2039	458	3.8	2.54	2.5	1.65	2.7	1.78	5	5	3
714	28.1	7319	1645	3659	823	2196	494	4.1	2.74	2.6	1.78	2.9	1.92	5	5	3

Additional standard belt widths are available in steps of 50.9 mm (2.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1987	78.2	20367	4578	10183	2289	6110	1374	11.3	7.61	7.4	4.94	7.9	5.34	14	14	7

Additional standard belt widths are available in steps of 50.9 mm (2.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

2955	116.3	30289	6809	15144	3404	9087	2043	16.8	11.32	10.9	7.35	11.8	7.94	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf). PP 600 N (135 lbf). PE 600 N (135 lbf)
**Max. Spacing between wear strips. Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in)

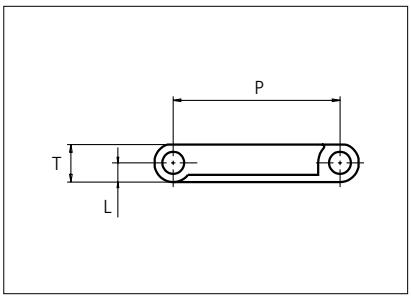
= Single Link

NON STANDARD
STRAIGHT RUNNING
PITCH 38.1 MM/1.50 IN

EN

Plastic Modular Belt

Serie **uni Light EP** Type **18%**



Straight running belt
Nominal pitch: 38.1 mm (1.50 in)
Surface type: Flat
Surface opening: 18%
Backflex radius: 75.0 mm (3.0 in)
Pin diameter: 5.0 mm (0.20 in)

Recommended Belt material & color	POM-D N
Recommended Pin and lock material & color	PP W

	mm	in		mm	in
P (Nominal)	38.1	1.50	**T**	8.5	0.33
L	4.3	0.17	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: PP and PE Pin: PP W PA6.6 B PE W PBT LG and SS304 PP W B G PP W
Lockpin: PBT LG PA6.6 N D

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PP		PP/PP		PE/PP		POM-D/PP		PP/PP		PE/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
102	4.0	1046	235	523	118	314	71	0.5	0.33	0.3	0.23	0.4	0.25	2	2	2
153	6.0	1568	353	784	176	470	106	0.7	0.49	0.5	0.35	0.6	0.37	2	2	2
204	8.0	2091	470	1046	235	627	141	1.0	0.66	0.7	0.47	0.7	0.49	2	2	2
255	10.0	2614	588	1307	294	784	176	1.2	0.82	0.9	0.58	0.9	0.62	2	2	2
306	12.0	3137	705	1568	353	941	212	1.5	0.99	1.0	0.70	1.1	0.74	3	3	2
357	14.1	3659	823	1830	411	1098	247	1.7	1.15	1.2	0.82	1.3	0.86	3	3	2
408	16.1	4182	940	2091	470	1255	282	2.0	1.32	1.4	0.93	1.5	0.99	3	3	2
459	18.1	4705	1058	2352	529	1411	317	2.2	1.48	1.6	1.05	1.7	1.11	4	4	2
510	20.1	5228	1175	2614	588	1568	353	2.4	1.65	1.7	1.17	1.8	1.23	4	4	2
561	22.1	5750	1293	2875	646	1725	388	2.7	1.81	1.9	1.28	2.0	1.36	4	4	2
612	24.1	6273	1410	3137	705	1882	423	2.9	1.97	2.1	1.40	2.2	1.48	5	5	3
663	26.1	6796	1528	3398	764	2039	458	3.2	2.14	2.3	1.51	2.4	1.60	5	5	3
714	28.1	7319	1645	3659	823	2196	494	3.4	2.30	2.4	1.63	2.6	1.73	5	5	3

Additional standard belt widths are available in steps of 50.9 mm (2.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1987	78.2	20367	4578	10183	2289	6110	1374	9.5	6.41	6.8	4.54	7.2	4.81	14	14	7

Additional standard belt widths are available in steps of 50.9 mm (2.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

2955	116.3	30289	6809	15144	3404	9087	2043	14.2	9.53	10.0	6.75	10.6	7.15	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf). PP 600 N (135 lbf). PE 600 N (135 lbf)
**Max. Spacing between wear strips. Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in)

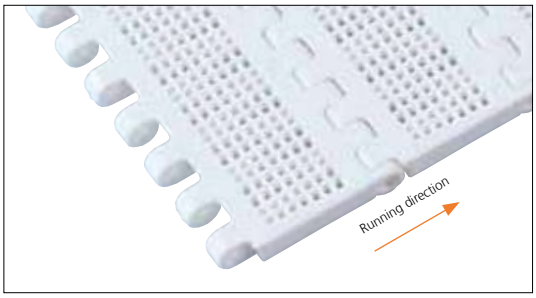
= Single Link

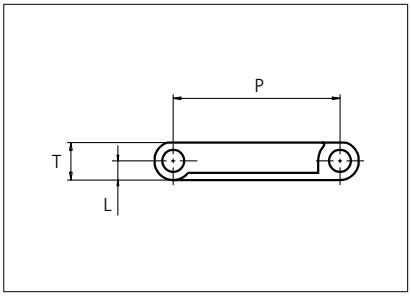
NON STANDARD
STRAIGHT RUNNING
PITCH 38.1 MM/1.50 IN

EN

Plastic Modular Belt

Serie **uni Light EP** Type **22%**





Straight running belt
Nominal pitch: 38.1 mm (1.50 in)
Surface type: Flat
Surface opening: 22%
Backflex radius: 75.0 mm (3.0 in)
Pin diameter: 5.0 mm (0.20 in)

Recommended Belt material & color	POM-D N
Recommended Pin and lock material & color	PP W

	mm	in		mm	in
P (Nominal)	38.1	1.50	**T**	8.5	0.33
L	4.3	0.17	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: PP and PE Pin: PP W PA6.6 B PE W PBT LG and SS304 PP W B G PP W
Lockpin: PBT LG PA6.6 N D

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PP		PP/PP		PE/PP		POM-D/PP		PP/PP		PE/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
102	4.0	1046	235	523	118	314	71	0.5	0.33	0.3	0.23	0.4	0.25	2	2	2
153	6.0	1568	353	784	176	470	106	0.7	0.49	0.5	0.35	0.6	0.37	2	2	2
204	8.0	2091	470	1046	235	627	141	1.0	0.66	0.7	0.47	0.7	0.49	2	2	2
255	10.0	2614	588	1307	294	784	176	1.2	0.82	0.9	0.58	0.9	0.62	2	2	2
306	12.0	3137	705	1568	353	941	212	1.5	0.99	1.0	0.70	1.1	0.74	3	3	2
357	14.1	3659	823	1830	411	1098	247	1.7	1.15	1.2	0.82	1.3	0.86	3	3	2
408	16.1	4182	940	2091	470	1255	282	2.0	1.32	1.4	0.93	1.5	0.99	3	3	2
459	18.1	4705	1058	2352	529	1411	317	2.2	1.48	1.6	1.05	1.7	1.11	4	4	2
510	20.1	5228	1175	2614	588	1568	353	2.4	1.65	1.7	1.17	1.8	1.23	4	4	2
561	22.1	5750	1293	2875	646	1725	388	2.7	1.81	1.9	1.28	2.0	1.36	4	4	2
612	24.1	6273	1410	3137	705	1882	423	2.9	1.97	2.1	1.40	2.2	1.48	5	5	3
663	26.1	6796	1528	3398	764	2039	458	3.2	2.14	2.3	1.51	2.4	1.60	5	5	3
714	28.1	7319	1645	3659	823	2196	494	3.4	2.30	2.4	1.63	2.6	1.73	5	5	3

Additional standard belt widths are available in steps of 50.9 mm (2.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1987	78.2	20367	4578	10183	2289	6110	1374	9.5	6.41	6.8	4.54	7.2	4.81	14	14	7

Additional standard belt widths are available in steps of 50.9 mm (2.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

2955	116.3	30289	6809	15144	3404	9087	2043	14.2	9.53	10.0	6.75	10.6	7.15	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf). PP 600 N (135 lbf). PE 600 N (135 lbf)
**Max. Spacing between wear strips. Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

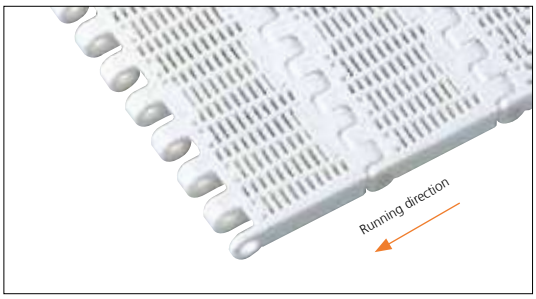
= Single Link

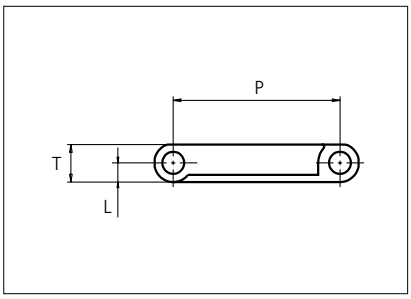
NON STANDARD
STRAIGHT RUNNING
PITCH 38.1 MM/1.50 IN

EN

Plastic Modular Belt

Serie **uni Light EP** Type **22% Fine-meshed**





Straight running belt
Nominal pitch: 38.1 mm (1.50 in)
Surface type: Flat
Surface opening: 22%
Backflex radius: 75.0 mm (3.0 in)
Pin diameter: 5.0 mm (0.20 in)

Belt material & color	PP-HW **W**	PP-HW **B**
Pin and lock material & color	PP-HW **W** PP-HW **W**	PP-HW **B** PP-HW **B**

	mm	in		mm	in
P (Nominal)	38.1	1.50	**T**	8.5	0.33
L	4.3	0.17	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PE **W** PP-HW **W** **B** SS304 Lockpin: PBT **LG** PA6.6 **N** **D**

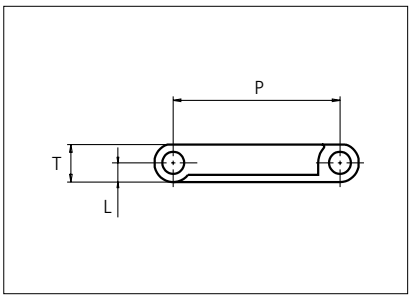
Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP-HW		PP-HW			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
64	2.5	325	73	0.2	0.15	2	2	2
102	4.0	523	118	0.3	0.23	2	2	2
153	6.0	784	176	0.5	0.35	2	2	2
191	7.5	979	220	0.6	0.44	2	2	2
204	8.0	1046	235	0.7	0.47	2	2	2
255	10.0	1307	294	0.9	0.58	2	2	2
306	12.0	1568	353	1.0	0.70	3	3	2
357	14.1	1830	411	1.2	0.82	3	3	2
408	16.1	2091	470	1.4	0.93	3	3	2
459	18.1	2352	529	1.6	1.05	4	4	2
510	20.1	2614	588	1.7	1.17	4	4	2
561	22.1	2875	646	1.9	1.28	4	4	2
612	24.1	3137	705	2.1	1.40	5	5	3
Additional standard belt widths are available in steps of 50.9 mm (2.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).								
1987	78.2	10183	2289	6.8	4.54	14	14	7
Additional standard belt widths are available in steps of 50.9 mm (2.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).								
2955	116.3	15144	3404	10.0	6.75	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: PP-HW 600 N (135 lbf)
**Max. Spacing between wear strips. Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in)
= Single Link

EN

Plastic Modular Belt

Serie **uni Light EP** Type **28%**



Straight running belt
Nominal pitch: 38.1 mm (1.50 in)
Surface type: Flat
Surface opening: 28%
Backflex radius: 75.0 mm (3.0 in)
Pin diameter: 5.0 mm (0.20 in)

Recommended Belt material & color	POM-D N
Recommended Pin and lock material & color	PP W

	mm	in		mm	in
P (Nominal)	38.1	1.50	**T**	8.5	0.33
L	4.3	0.17	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: PP and PE Pin: PP W PA6.6 B PE W PBT LG and SS304 PP W B G PP W
Lockpin: PBT LG PA6.6 N D

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PP		PP/PP		PE/PP		POM-D/PP		PP/PP		PE/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
102	4.0	1046	235	523	118	314	71	0.5	0.33	0.3	0.23	0.4	0.25	2	2	2
153	6.0	1568	353	784	176	470	106	0.7	0.49	0.5	0.35	0.6	0.37	2	2	2
191	7.5	1958	440	979	220	587	132	0.9	0.62	0.6	0.44	0.7	0.46	2	2	2
204	8.0	2091	470	1046	235	627	141	1.0	0.66	0.7	0.47	0.7	0.49	2	2	2
255	10.0	2614	588	1307	294	784	176	1.2	0.82	0.9	0.58	0.9	0.62	2	2	2
306	12.0	3137	705	1568	353	941	212	1.5	0.99	1.0	0.70	1.1	0.74	3	3	2
357	14.1	3659	823	1830	411	1098	247	1.7	1.15	1.2	0.82	1.3	0.86	3	3	2
408	16.1	4182	940	2091	470	1255	282	2.0	1.32	1.4	0.93	1.5	0.99	3	3	2
459	18.1	4705	1058	2352	529	1411	317	2.2	1.48	1.6	1.05	1.7	1.11	4	4	2
510	20.1	5228	1175	2614	588	1568	353	2.4	1.65	1.7	1.17	1.8	1.23	4	4	2
561	22.1	5750	1293	2875	646	1725	388	2.7	1.81	1.9	1.28	2.0	1.36	4	4	2
612	24.1	6273	1410	3137	705	1882	423	2.9	1.97	2.1	1.40	2.2	1.48	5	5	3
663	26.1	6796	1528	3398	764	2039	458	3.2	2.14	2.3	1.51	2.4	1.60	5	5	3

Additional standard belt widths are available in steps of 50.9 mm (2.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1987	78.2	20367	4578	10183	2289	6110	1374	9.5	6.41	6.8	4.54	7.2	4.81	14	14	7

Additional standard belt widths are available in steps of 50.9 mm (2.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

2955	116.3	30289	6809	15144	3404	9087	2043	14.2	9.53	10.0	6.75	10.6	7.15	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf). PP 600 N (135 lbf). PE 600 N (135 lbf)
**Max. Spacing between wear strips. Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in)

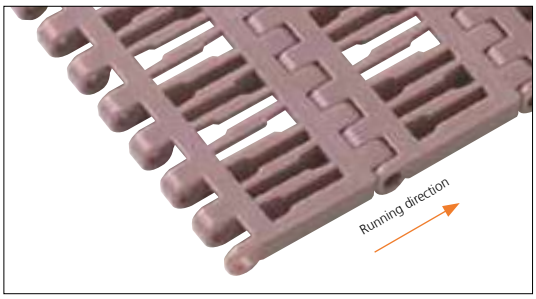
= Single Link

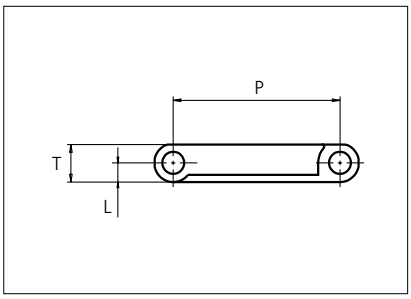
NON STANDARD
STRAIGHT RUNNING
PITCH 38.1 MM/1.50 IN

EN

Plastic Modular Belt

Serie **uni Light EP** Type **33%**





Straight running belt
Nominal pitch: 38.1 mm (1.50 in)
Surface type: Flat
Surface opening: 33%
Backflex radius: 75.0 mm (3.0 in)
Pin diameter: 5.0 mm (0.20 in)

Recommended Belt material & color	POM-LF BR
Recommended Pin and lock material & color	PP W

	mm	in		mm	in
P (Nominal)	38.1	1.50	**T**	8.5	0.33
L	4.3	0.17	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: PP and PE Pin: PP W PA6.6 B PE W PBT LG and SS304 PP W B G PP W
Lockpin: PBT LG PA6.6 N D

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PP		PP/PP		PE/PP		POM-D/PP		PP/PP		PE/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
102	4.0	1046	235	523	118	314	71	0.4	0.30	0.3	0.21	0.3	0.23	2	2	2
153	6.0	1568	353	784	176	470	106	0.7	0.45	0.5	0.32	0.5	0.34	2	2	2
191	7.5	1958	440	979	220	587	132	0.8	0.56	0.6	0.40	0.6	0.42	2	2	2
204	8.0	2091	470	1046	235	627	141	0.9	0.60	0.6	0.43	0.7	0.45	2	2	2
255	10.0	2614	588	1307	294	784	176	1.1	0.75	0.8	0.53	0.8	0.57	2	2	2
306	12.0	3137	705	1568	353	941	212	1.3	0.90	0.9	0.64	1.0	0.68	3	3	2
357	14.1	3659	823	1830	411	1098	247	1.6	1.06	1.1	0.74	1.2	0.79	3	3	2
408	16.1	4182	940	2091	470	1255	282	1.8	1.21	1.3	0.85	1.3	0.90	3	3	2
459	18.1	4705	1058	2352	529	1411	317	2.0	1.36	1.4	0.96	1.5	1.02	4	4	2
510	20.1	5228	1175	2614	588	1568	353	2.2	1.51	1.6	1.06	1.7	1.13	4	4	2
561	22.1	5750	1293	2875	646	1725	388	2.5	1.66	1.7	1.17	1.9	1.24	4	4	2
612	24.1	6273	1410	3137	705	1882	423	2.7	1.81	1.9	1.28	2.0	1.36	5	5	3
663	26.1	6796	1528	3398	764	2039	458	2.9	1.96	2.1	1.38	2.2	1.47	5	5	3

Additional standard belt widths are available in steps of 50.9 mm (2.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1987	78.2	20367	4578	10183	2289	6110	1374	8.7	5.88	6.2	4.14	6.6	4.41	14	14	7

Additional standard belt widths are available in steps of 50.9 mm (2.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

2955	116.3	30289	6809	15144	3404	9087	2043	13.0	8.74	9.2	6.16	9.8	6.55	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf). PP 600 N (135 lbf). PE 600 N (135 lbf)
**Max. Spacing between wear strips. Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in)

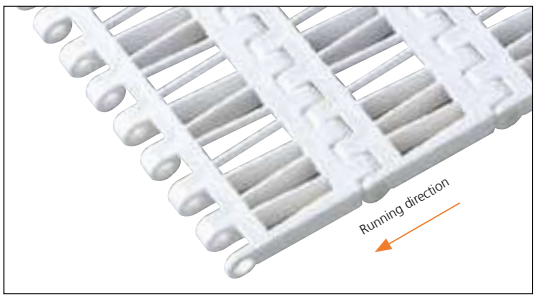
= Single Link

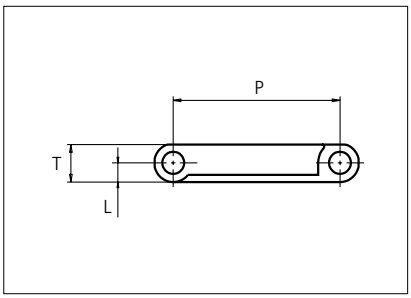
NON STANDARD
STRAIGHT RUNNING
PITCH 38.1 MM/1.50 IN

EN

Plastic Modular Belt

Serie **uni Light EP** Type **46%**





Straight running belt
Nominal pitch: 38.1 mm (1.50 in)
Surface type: Flat
Surface opening: 46%
Backflex radius: 75.0 mm (3.0 in)
Pin diameter: 5.0 mm (0.20 in)

Recommended Belt material & color	POM-D N
Recommended Pin and lock material & color	PP W

	mm	in		mm	in
P (Nominal)	38.1	1.50	**T**	8.5	0.33
L	4.3	0.17	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: PP and PE Pin: PP W PA6.6 B PE W PBT LG and SS304 PP W B G PP W
Lockpin: PBT LG PA6.6 N D

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PP		PP/PP		PE/PP		POM-D/PP		PP/PP		PE/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
102	4.0	1046	235	523	118	314	71	0.4	0.30	0.3	0.21	0.3	0.23	2	2	2
153	6.0	1568	353	784	176	470	106	0.7	0.45	0.5	0.32	0.5	0.34	2	2	2
204	8.0	2091	470	1046	235	627	141	0.9	0.60	0.6	0.43	0.7	0.45	2	2	2
255	10.0	2614	588	1307	294	784	176	1.1	0.75	0.8	0.53	0.8	0.57	2	2	2
306	12.0	3137	705	1568	353	941	212	1.3	0.90	0.9	0.64	1.0	0.68	3	3	2
357	14.1	3659	823	1830	411	1098	247	1.6	1.06	1.1	0.74	1.2	0.79	3	3	2
408	16.1	4182	940	2091	470	1255	282	1.8	1.21	1.3	0.85	1.3	0.90	3	3	2
459	18.1	4705	1058	2352	529	1411	317	2.0	1.36	1.4	0.96	1.5	1.02	4	4	2
510	20.1	5228	1175	2614	588	1568	353	2.2	1.51	1.6	1.06	1.7	1.13	4	4	2
561	22.1	5750	1293	2875	646	1725	388	2.5	1.66	1.7	1.17	1.9	1.24	4	4	2
612	24.1	6273	1410	3137	705	1882	423	2.7	1.81	1.9	1.28	2.0	1.36	5	5	3
663	26.1	6796	1528	3398	764	2039	458	2.9	1.96	2.1	1.38	2.2	1.47	5	5	3
714	28.1	7319	1645	3659	823	2196	494	3.1	2.11	2.2	1.49	2.4	1.58	5	5	3

Additional standard belt widths are available in steps of 50.9 mm (2.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1987	78.2	20367	4578	10183	2289	6110	1374	8.7	5.88	6.2	4.14	6.6	4.41	14	14	7

Additional standard belt widths are available in steps of 50.9 mm (2.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

2955	116.3	30289	6809	15144	3404	9087	2043	13.0	8.74	9.2	6.16	9.8	6.55	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf). PP 600 N (135 lbf). PE 600 N (135 lbf).
**Max. Spacing between wear strips. Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

= Single Link

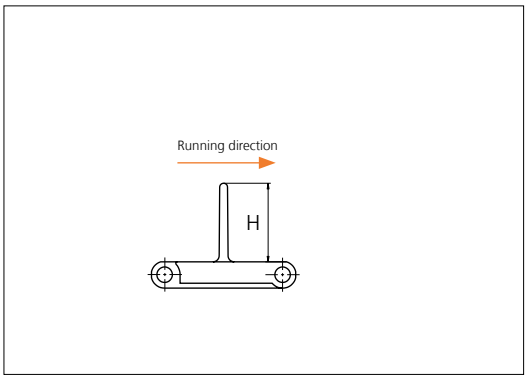
NON STANDARD
STRAIGHT RUNNING
PITCH 38.1 MM/1.50 IN

Accessories

Flight

Non Stick

Non Stick/Support Ribs



Type	Recommended Material & color	H		Link size	Width		Indent left/right	
		mm	in		mm	in	mm	in
Non Stick	POM-D W	25.4	1.00	K750	191.0	7.52	0.0	0.00
		50.8	2.00	K750	191.0	7.52	17.5	0.69
Non Stick/ Support Ribs	POM-D W	25.4	1.00	K400	101.6	4.00	0.0	0.00
				K600	152.8	6.02	0.0	0.00
		50.8	2.00	K400	101.6	4.00	0.0	0.00
		50.8	2.00	K600	152.8	6.02	0.0	0.00
		76.2	3.00	K600	152.8	6.02	0.0	0.00

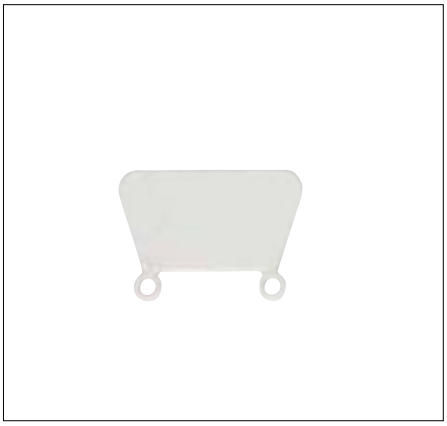
Minimum bricklayed indent for uni Light EP flights is 38.1 mm (1.50 in). increment: 12.7 mm (0.50 in).

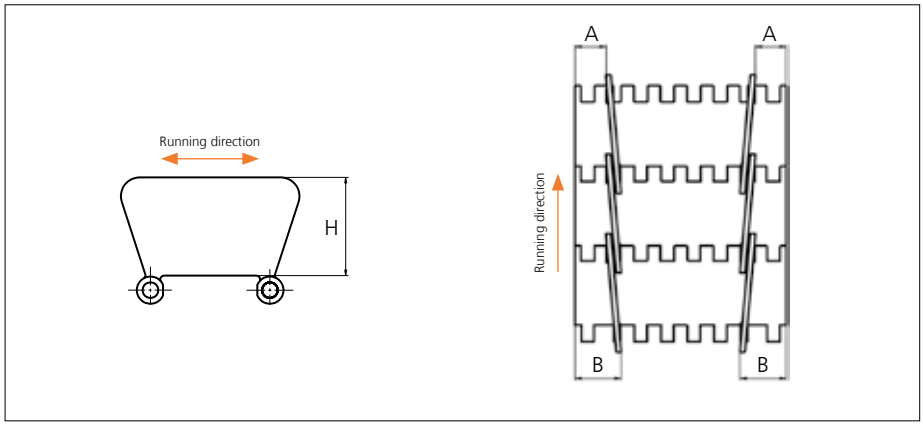
Alternative materials: PP-I, PE.

Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard



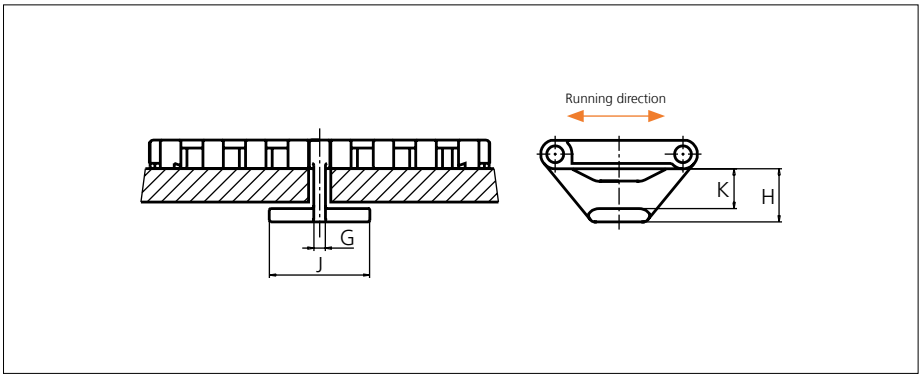


Type	Recommended Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	POM-D W	31.7	1.25	15.0	0.59	23.0	0.91

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab/NON STANDARD



Type	Reccomended Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D N	3.5	0.14	26.0	1.02	12.4	0.49	16.4	0.65

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

Reinforcement Link

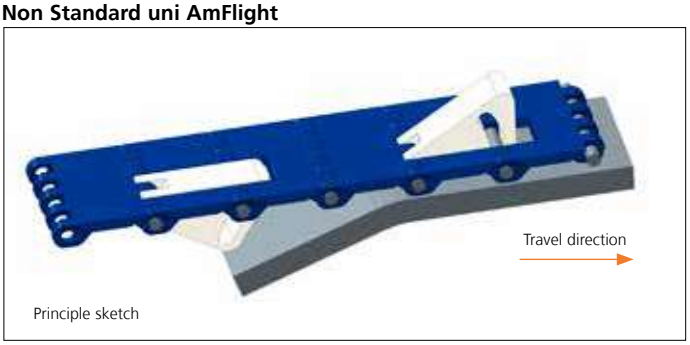
The use of uni-chains belts with the SS reinforcement /pitch control links in blanchers. cookers and other high temperature applications will reduce belt elongation due to temperature by more than 90%. This will simplify the belt take-up system and reduce maintenance.
uni-chains recommends one reinforcement link per K600 module.
Note: Reinforcement links require the use of SS pins.

Type	Material & color	N/row	Lbf/row
Steel Link	SS316	1000	225

Non Standard material and color: See uni Material and Color Overview.

Accessories

Non Standard uni AmFlight

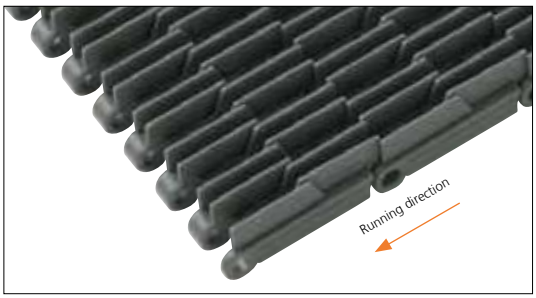


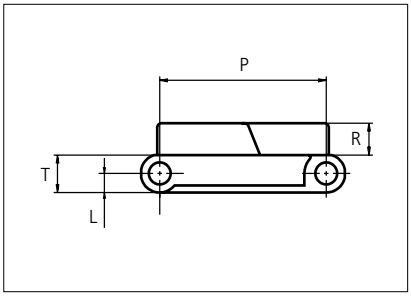
Other Non Standard option: See uni AmFlight Overview.

EN

Plastic Modular Belt

Serie **uni Light EP** Type **Rib**





Straight running belt
Nominal pitch: 38.1 mm (1.50 in)
Surface type: Rib Top
Surface opening: Closed
Backflex radius: 150.0 mm (5.9 in)
Pin diameter: 5.0 mm (0.20 in)

Recommended Belt material & color	POM-LF G
Recommended Pin and lock material & color	PP W

	mm	in		mm	in
P (Nominal)	38.1	1.50	**T**	8.5	0.33
L	4.3	0.17	**R**	7.3	0.29

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: PP and PE Pin: PP W PA6.6 B PE W PBT LG and SS304 PP W B G PP W
Lockpin: PBT LG PA6.6 N D

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PP		PP/PP		PE/PP		POM-D/PP		PP/PP		PE/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
102	4.0	1046	235	523	118	314	71	0.7	0.49	0.5	0.32	0.5	0.34	2	2	2
153	6.0	1568	353	784	176	470	106	1.1	0.73	0.7	0.47	0.8	0.51	2	2	2
204	8.0	2091	470	1046	235	627	141	1.4	0.97	0.9	0.63	1.0	0.69	2	2	2
255	10.0	2614	588	1307	294	784	176	1.8	1.22	1.2	0.79	1.3	0.86	2	2	2
306	12.0	3137	705	1568	353	941	212	2.2	1.46	1.4	0.95	1.5	1.03	3	3	2
357	14.1	3659	823	1830	411	1098	247	2.5	1.70	1.6	1.10	1.8	1.20	3	3	2
408	16.1	4182	940	2091	470	1255	282	2.9	1.95	1.9	1.26	2.0	1.37	3	3	2
459	18.1	4705	1058	2352	529	1411	317	3.3	2.19	2.1	1.42	2.3	1.54	4	4	2
510	20.1	5228	1175	2614	588	1568	353	3.6	2.43	2.3	1.58	2.6	1.71	4	4	2
561	22.1	5750	1293	2875	646	1725	388	4.0	2.68	2.6	1.73	2.8	1.89	4	4	2
612	24.1	6273	1410	3137	705	1882	423	4.3	2.92	2.8	1.89	3.1	2.06	5	5	3
663	26.1	6796	1528	3398	764	2039	458	4.7	3.16	3.0	2.05	3.3	2.23	5	5	3
714	28.1	7319	1645	3659	823	2196	494	5.1	3.41	3.3	2.21	3.6	2.40	5	5	3

Additional standard belt widths are available in steps of 50.9 mm (2.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1987	78.2	20367	4578	10183	2289	6110	1374	14.1	9.48	9.1	6.14	9.9	6.68	14	14	7

Additional standard belt widths are available in steps of 50.9 mm (2.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

2955	116.3	30289	6809	15144	3404	9087	2043	21.0	14.10	13.6	9.14	14.8	9.93	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf). PP 600 N (135 lbf). PE 600 N (135 lbf).
**Max. Spacing between wear strips. Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

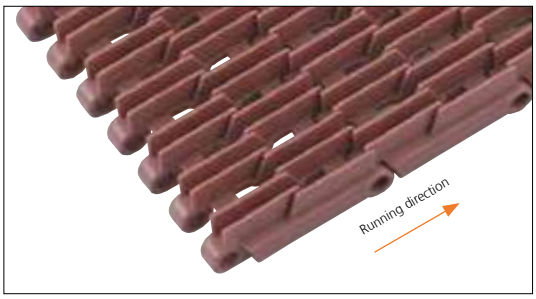
= Single Link

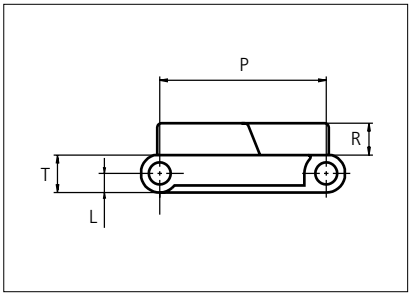
NON STANDARD
STRAIGHT RUNNING
PITCH 38.1 MM/1.50 IN

EN

Plastic Modular Belt

Serie **uni Light EP** Type **33% Rib**





Straight running belt
Nominal pitch: 38.1 mm (1.50 in)
Surface type: Rib Top
Surface opening: 33%
Backflex radius: 150.0 mm (5.9 in)
Pin diameter: 5.0 mm (0.20 in)

Recommended Belt material & color	POM-LF BR
Recommended Pin and lock material & color	PP W

	mm	in		mm	in
P (Nominal)	38.1	1.50	**T**	8.5	0.33
L	4.3	0.17	**R**	7.3	0.29

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: PP and PE Pin: PP W PA6.6 B PE W PBT LG and SS304 PP W B G PP W
Lockpin: PBT LG PA6.6 N D

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PP		PP/PP		PE/PP		POM-D/PP		PP/PP		PE/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
102	4.0	1046	235	523	118	314	71	0.6	0.40	0.4	0.27	0.4	0.29	2	2	2
153	6.0	1568	353	784	176	470	106	0.9	0.60	0.6	0.41	0.7	0.44	2	2	2
204	8.0	2091	470	1046	235	627	141	1.2	0.80	0.8	0.55	0.9	0.59	2	2	2
255	10.0	2614	588	1307	294	784	176	1.5	0.99	1.0	0.69	1.1	0.74	2	2	2
306	12.0	3137	705	1568	353	941	212	1.8	1.19	1.2	0.82	1.3	0.88	3	3	2
357	14.1	3659	823	1830	411	1098	247	2.1	1.39	1.4	0.96	1.5	1.03	3	3	2
408	16.1	4182	940	2091	470	1255	282	2.4	1.59	1.6	1.10	1.8	1.18	3	3	2
459	18.1	4705	1058	2352	529	1411	317	2.7	1.79	1.8	1.23	2.0	1.33	4	4	2
510	20.1	5228	1175	2614	588	1568	353	3.0	1.99	2.0	1.37	2.2	1.47	4	4	2
561	22.1	5750	1293	2875	646	1725	388	3.3	2.19	2.2	1.51	2.4	1.62	4	4	2
612	24.1	6273	1410	3137	705	1882	423	3.5	2.39	2.4	1.65	2.6	1.77	5	5	3
663	26.1	6796	1528	3398	764	2039	458	3.8	2.58	2.7	1.78	2.9	1.92	5	5	3
714	28.1	7319	1645	3659	823	2196	494	4.1	2.78	2.9	1.92	3.1	2.06	5	5	3

Additional standard belt widths are available in steps of 50.9 mm (2.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1987	78.2	20367	4578	10183	2289	6110	1374	11.5	7.75	7.9	5.34	8.5	5.74	14	14	7

Additional standard belt widths are available in steps of 50.9 mm (2.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

2955	116.3	30289	6809	15144	3404	9087	2043	17.1	11.52	11.8	7.94	12.7	8.54	20	20	10

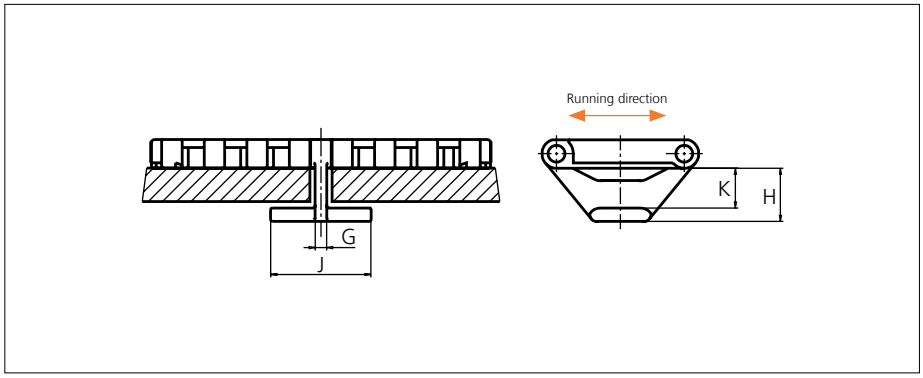
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf). PP 600 N (135 lbf). PE 600 N (135 lbf).
**Max. Spacing between wear strips. Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

= Single Link

uni chains

Accessories

Tab

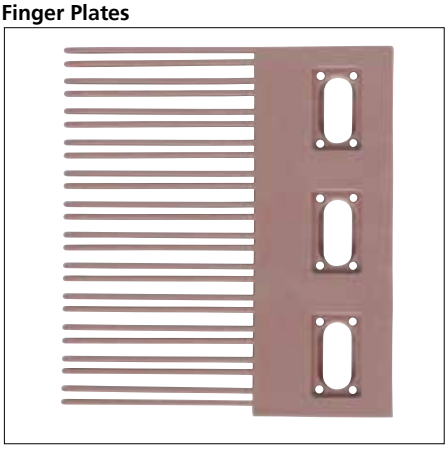


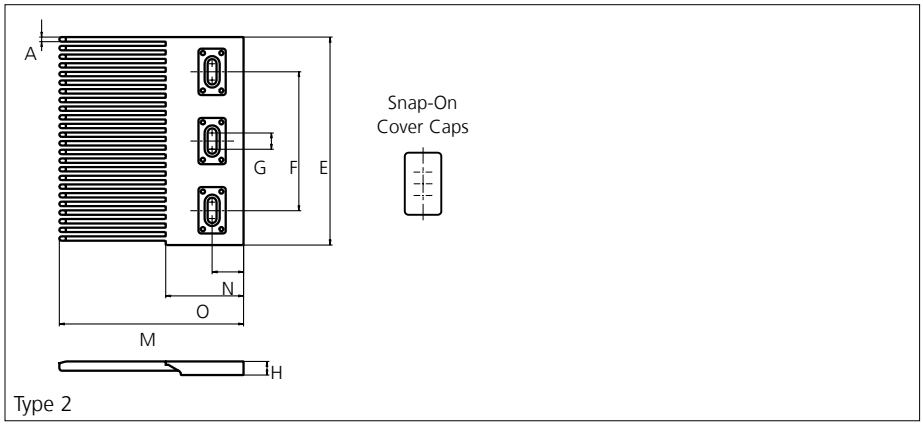
Type	Recommended Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D N	3.5	0.14	26.0	1.02	12.4	0.49	16.4	0.65

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

Finger Plates





Type 2

Type	Recommended Material & color	A		E		F		G		H		M		N		O	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
Single Sided	POM-LF BR	3.3	0.13	152.4	6.00	101.6	4.00	12.0	0.47	10.3	0.41	135.0	5.31	23.0	0.91	57.0	2.24

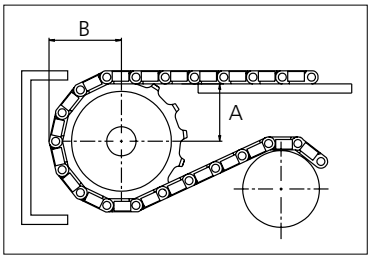
All uni-chains belt systems are available in a raised rib version that can be supplied with matching finger plates. alsocalled combs.
The finger plates are supplied with cover caps which can be attached when the finger plate has been installed. The cover caps can be removed by using a screwdriver that can be inserted between the cover and finger plate.

Non Standard material and color: See uni Material and Color Overview.

Sprocket

No of teeth	Bore size							Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Single row/Two way	PA6 LG Molded
	Pilot bore	in	1.00	1.18	1.25	1.50	1.57												
		mm	25.4	30.0	31.8	38.1	40.0	mm	in	mm	in	mm	in	mm	in	mm	in		
Z07			●	●	●			87.8	3.46	86.0	3.39	65.0	2.56	35.2	1.39	48.3	1.90	✓	✓
Z09			●	●	●	■	●	111.4	4.39	110.6	4.35	90.0	3.54	48.0	1.89	60.0	2.36	✓	✓
Z10			●	●	●	■	●■	123.3	4.85	122.7	4.83	100.0	3.94	54.3	2.14	66.0	2.60	✓	✓
Z11			●	●	●	■	●■	135.2	5.32	135.0	5.31	110.0	4.33	60.5	2.38	72.0	2.83	✓	✓
Z12				●	●	●■	●■	147.2	5.80	147.1	5.79	120.0	4.72	66.7	2.63	78.0	3.07	✓	✓
Z15				●	●	●■	●■	183.2	7.21	183.5	7.22	120.0	4.72	85.3	3.36	96.0	3.78	✓	✓

■ **Molded sprocket** ● **Molded sprocket**



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request.
Two-part sprocket are available upon request.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet
Width of tooth = 11.8 mm (0.47 in)
Width of sprocket = 23.2 mm (0.91 in)

Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light EP.
For more detailed sprocket information, contact Customer Service.

Innovadora dado el concepto dual technology. Póngase en contacto con nosotros y les informaremos encantados.

uni ACB
– Un paso por delante en el sector automovilístico

Le ayudamos a lograr MÁS con MENOS.

Dual Compound Technology (DCT) permitió que nuestras bandas CSB combinasen distintos materiales para maximizar las ventajas del cliente como, por ejemplo, mayor resistencia mecánica y conductividad eléctrica.

Ahora , **hemos** usado esta misma DC Technology probada junto con ingeniería mejorada para crear una nueva serie de bandas automotrices verdaderamente pioneras.

Presentación de toda la nueva serie Advanced Concept Belt , la uni ACB.

Características:
- Paso de 40 mm más compacto
- Diseño pionero y superior capacidad de trabajo
- Resistencia nominal a 80,000 N/m
- Tecnología Ammeraal Beltech Dual Compound probada

Beneficios:
- Resistencia al desgaste superior
- Conductividad eléctrica mejorada
- Menor consumo de energía
- Permite mayores distancias de transportador (y menores transferencias)
- Mayor capacidad de carga
- Menores alturas de construcción (menor profundidad de foso)
- Ejecución ignífuga opcional
- Ergonomía y seguridad del trabajador mejoradas

¡La nueva uni ACB! La banda modular de paso de 40 mm puede hacer lo mismo que las bandas de paso de 1,5 a 2,25 ...¡y más!

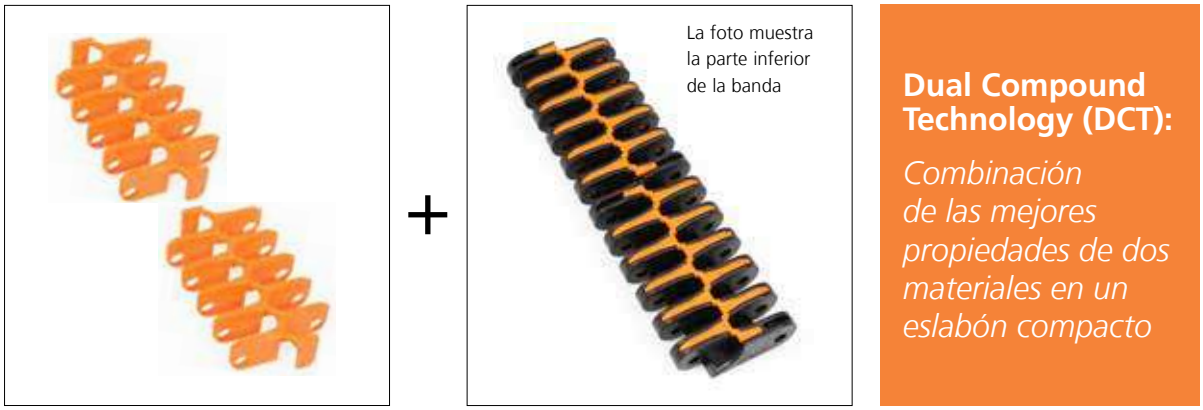
Fuente: Audi AG

uni ACB	**Bandas más resistentes a precios más reducidos**	· El paso de 40 mm equivale a bajas alturas de construcción y menor profundidad de foso necesaria. · El menor peso de la banda permite mayores cargas, una mayor distancia centro a centro y menos transferencias. · El menor peso de la banda da como resultado una menor necesidad de potencia de accionamiento, motores de accionamiento más pequeños y menores reductores. · A través de los eficientes insertos se añaden propiedades conductoras eléctricas a la banda sin comprometer su resistencia. · La banda puede suministrarse en combinación con tasas de protección contra incendios y propiedades conductoras eléctricas B1*.
	Menor gasto total de propiedad	· Larga vida útil de la banda gracias a la gran zona de contacto y diseño inferior innovador. · Reducción del coeficiente de rozamiento y extensión de la vida útil mediante insertos. · Transportadores más largos y cargas más pesadas en un transportador. · Bajos gastos de mantenimiento gracias a los requisitos de mantenimiento extremadamente bajos. · El menor peso de la banda da como resultado un menor consumo de energía.
	Superficie antideslizante	· Agarre adecuado en condiciones húmedas y secas. · Perfil de banda bajo para evitar lesiones y molestias en los pies. · Bordes coloreados para visualizar suelos en movimiento.

*B1: Material ignífugo (inflamabilidad de clase B1)

Eslabón plástico base + inserto electro conductivo = Disipación de voltaje

Eslabón plástico base + inserto de alta durabilidad = Mayor vida útil



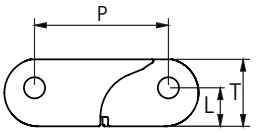
Dual Compound Technology (DCT):

Combinación de las mejores propiedades de dos materiales en un eslabón compacto

EN

Plastic Modular Belt

Series **uni ACB** Type **Closed**



Straight running belt
Nominal pitch: 40.0 mm (1.57 in)
Surface type: Flat
Surface opening: Closed
Backflex radius: 60.0 mm (2.36 in)
Pin diameter: 6.0 mm (0.24 in)

Belt material & color	POM NL **K**
Pin and lock material & color	PA6.6 **B** PP **O**

	mm	in		mm	in
P (Nominal)	40.0	1.57	**S**	0.8	0.03
L	11.5	0.45	**T**	20.0	0.79

Non standard material and color: See uni Material and Color Overview.
Safety edges with orange or yellow edge links mounted on alternating pitches along both belt edges are optional.
Alternative pin and lock systems and materials: Contact Customer Service.

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min No drive sprocket per shaft	Number of wear strips (min no)	
		POM-NL/PA6.6		POM-NL/SS		POM-NL/PA6.6		POM-NL/SS			Carry (pcs)	Return (pcs)
mm	in	N	lbf	N	lbf	Kg/m	lb/ft	Kg/m	lb/ft			
203	8.0	14210	3194	16240	3651	3.1	2.07	4.0	2.71	2	2	2
305	12.0	21350	4799	24400	5485	4.6	3.12	6.1	4.08	3	3	2
406	16.0	28420	6389	32480	7302	6.2	4.15	8.1	5.43	3	3	2
507	20.0	35490	7978	40560	9118	7.7	5.18	10.1	6.78	4	4	2
609	24.0	42630	9583	48720	10952	9.3	6.22	12.1	8.14	5	5	3
710	28.0	49700	11173	56800	12769	10.8	7.25	14.1	9.50	5	5	3
811	31.9	56770	12762	64880	14585	12.3	8.28	16.1	10.85	6	6	3
913	35.9	63910	14367	73040	16419	13.9	9.33	18.2	12.21	7	7	4
1014	39.9	70980	15956	81120	18236	15.4	10.36	20.2	13.56	7	7	4
1116	43.9	78120	17561	89280	20070	17.0	11.40	22.2	14.93	8	8	4

Additional standard belt widths are available in steps of 50.7 mm (2.00 in). Additional non-standard belt widths are available in steps of 16.9 mm (0.67 in).

1977	77.8	138390	31110	158160	35554	30.1	20.20	39.3	26.44	14	14	7

Additional standard belt widths are available in steps of 50.7 mm (2.00 in). Additional non-standard belt widths are available in steps of 16.9 mm (0.67 in).

2991	117.8	209370	47066	239280	53790	45.5	30.55	59.5	40.00	20	20	10

Additional standard belt widths are available in steps of 50.7 mm (2.00 in). Additional non-standard belt widths are available in steps of 16.9 mm (0.67 in).

4005	157.7	280350	63023	320400	72026	60.9	40.91	79.7	53.56	27	27	14

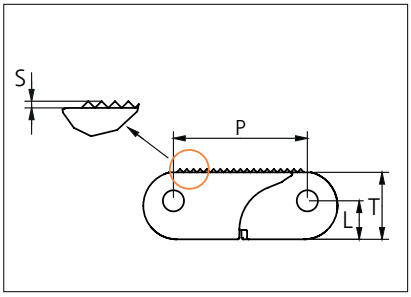
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-NL 8000 N (1799 lbf).
= Single Link

STANDARD
STRAIGHT RUNNING
PITCH 40.0 MM/1.57 IN

EN

Plastic Modular Belt

Series **uni ACB** Type **Rough**



Straight running belt
Nominal pitch: 40.0 mm (1.57 in)
Surface type: Rough
Surface opening: Closed
Backflex radius: 60.0 mm (2.36 in)
Pin diameter: 6.0 mm (0.24 in)

Belt material & color	POM NL **K**
Pin and lock material & color	PA6.6 **B** PP **O**

	mm	in		mm	in
P (Nominal)	40.0	1.57	**S**	0.8	0.03
L	11.5	0.45	**T**	20.0	0.79

Non standard material and color: See uni Material and Color Overview.
Safety edges with orange or yellow edge links mounted on alternating pitches along both belt edges are optional.
Alternative pin and lock systems and materials: Contact Customer Service.

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min No drive sprocket per shaft	Number of wear strips (min no)	
		POM-NL/PA6.6		POM-NL/SS		POM-NL/PA6.6		POM-NL/SS			Carry (pcs)	Return (pcs)
mm	in	N	lbf	N	lbf	Kg/m	lb/ft	Kg/m	lb/ft			
203	8.0	14210	3194	16240	3651	3.1	2.07	4.0	2.71	2	2	2
305	12.0	21350	4799	24400	5485	4.6	3.12	6.1	4.08	3	3	2
406	16.0	28420	6389	32480	7302	6.2	4.15	8.1	5.43	3	3	2
507	20.0	35490	7978	40560	9118	7.7	5.18	10.1	6.78	4	4	2
609	24.0	42630	9583	48720	10952	9.3	6.22	12.1	8.14	5	5	3
710	28.0	49700	11173	56800	12769	10.8	7.25	14.1	9.50	5	5	3
811	31.9	56770	12762	64880	14585	12.3	8.28	16.1	10.85	6	6	3
913	35.9	63910	14367	73040	16419	13.9	9.33	18.2	12.21	7	7	4
1014	39.9	70980	15956	81120	18236	15.4	10.36	20.2	13.56	7	7	4
1116	43.9	78120	17561	89280	20070	17.0	11.40	22.2	14.93	8	8	4

Additional standard belt widths are available in steps of 50.7 mm (2.00 in). Additional non-standard belt widths are available in steps of 16.9 mm (0.67 in).

1977	77.8	138390	31110	158160	35554	30.1	20.20	39.3	26.44	14	14	7

Additional standard belt widths are available in steps of 50.7 mm (2.00 in). Additional non-standard belt widths are available in steps of 16.9 mm (0.67 in).

2991	117.8	209370	47066	239280	53790	45.5	30.55	59.5	40.00	20	20	10

Additional standard belt widths are available in steps of 50.7 mm (2.00 in). Additional non-standard belt widths are available in steps of 16.9 mm (0.67 in).

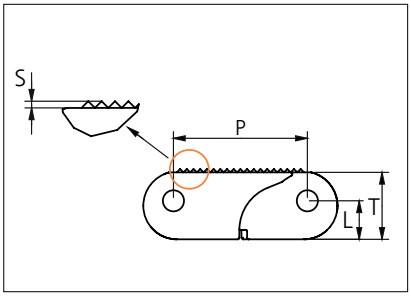
4005	157.7	280350	63023	320400	72026	60.9	40.91	79.7	53.56	27	27	14

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-NL 8000 N (1799 lbf).
= Single Link

EN

Plastic Modular Belt

Series **uni ACB** Type **2% Rough**



Straight running belt
Nominal pitch: 40.0 mm (1.57 in)
Surface type: Rough
Surface opening: 2% Open
Backflex radius: 60.0 mm (2.36 in)
Pin diameter: 6.0 mm (0.24 in)

Belt material & color	POX FR EG
Pin and lock material & color	PBT LG PP O

	mm	in		mm	in
P (Nominal)	40.0	1.57	**S**	0.8	0.03
L	11.5	0.45	**T**	20.0	0.79

Non standard material and color: See uni Material and Color Overview.
Safety edges with orange or yellow edge links mounted on alternating pitches along both belt edges are optional.
Alternative pin and lock systems and materials: Contact Customer Service.

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min No drive sprocket per shaft	Number of wear strips (min no)	
		POX-FR/PBT		POX-FR/SS		POX-FR/PBT		POX-FR/SS			Carry (pcs)	Return (pcs)
mm	in	N	lbf	N	lbf	Kg/m	lb/ft	Kg/m	lb/ft			
204	8.0	14280	3210	16320	3669	2.5	1.69	3.5	2.33	2	2	2
306	12.0	21420	4815	24480	5503	3.8	2.53	5.2	3.50	3	3	2
408	16.1	28560	6420	32640	7337	5.0	3.37	6.9	4.66	3	3	2
509	20.0	35630	8010	40720	9154	6.3	4.21	8.7	5.82	4	4	2
611	24.1	42770	9615	48880	10988	7.5	5.05	10.4	6.98	5	5	3
713	28.1	49910	11220	57040	12823	8.8	5.89	12.1	8.15	5	5	3
815	32.1	57050	12825	65200	14657	10.0	6.74	13.9	9.31	6	6	3
916	36.1	64120	14414	73280	16473	11.3	7.57	15.6	10.47	7	7	4
1018	40.1	71260	16019	81440	18308	12.5	8.42	17.3	11.63	7	7	4
1120	44.1	78400	17624	89600	20142	13.8	9.26	19.0	12.80	8	8	4

Additional standard belt widths are available in steps of 50.7 mm (2.00 in). Additional non-standard belt widths are available in steps of 16.9 mm (0.67 in).

1985	78.1	138950	31236	158800	35698	24.4	16.41	33.7	22.68	14	14	7

Additional standard belt widths are available in steps of 50.7 mm (2.00 in). Additional non-standard belt widths are available in steps of 16.9 mm (0.67 in).

3003	118.2	210210	47255	240240	54006	36.9	24.82	51.1	34.31	21	21	11

Additional standard belt widths are available in steps of 50.7 mm (2.00 in). Additional non-standard belt widths are available in steps of 16.9 mm (0.67 in).

4021	158.3	281470	63274	321680	72314	49.5	33.24	68.4	45.94	27	27	14

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POX-FR 8000 N (1799 lbf).
= Single Link

STANDARD
STRAIGHT RUNNING
PITCH 40.0 MM/1.57 IN

Accessories

Top/Bottom Insert

Type	Insert material & color	Weight	
		kg/m²	lb/ft²
Wheel Plate	POM DK O	3.81	0.79

Contact area/wear surface of belt will incease from 25% to 49% by the use of inserts.

Accessories

Top/Bottom Insert

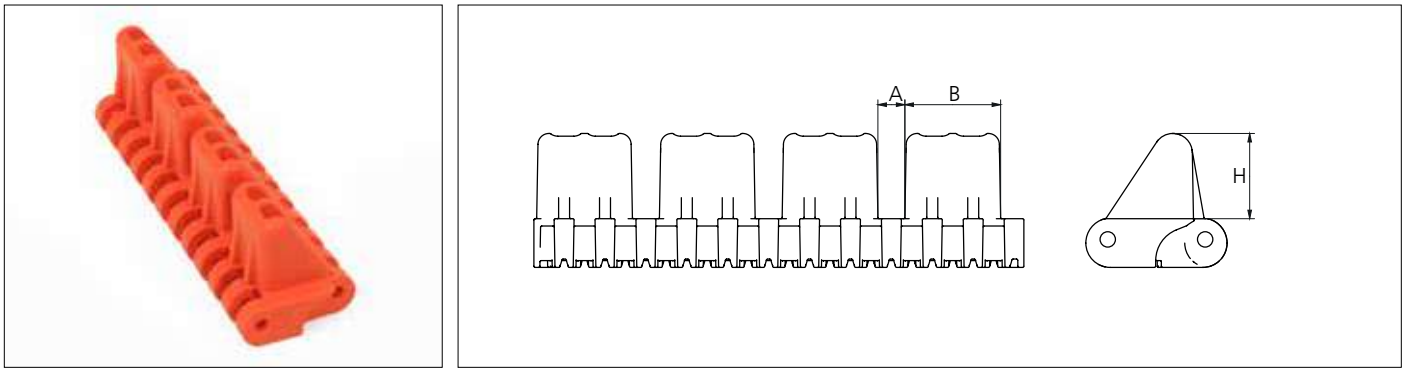
EC insert in uni ACB 2% Rough type can be build in to uni ACB Closed to create an electrical conductive belt.

Type	Insert material & color	Weight	
		kg/m²	lb/ft²
Electrical Conductive	POM-EC K	2.29	0.47

Contact area/wear surface of belt will incease from 25% to 38% by the use of inserts.
POM-EC and POX-FREC holds a surface resistivity of 1x10⁶ Ohm according to IEC 60093/ASTM D257.

Accessories

Flight



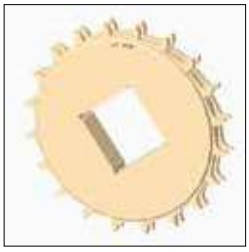
Type	Flight material & color	A		B		H		Link size	Width	
		mm	in	mm	in	mm	in		mm	in
Car pusher	POM-NL O	11.0	0.43	39.0	1.54	35.0	1.38	K800	203.0	8.00

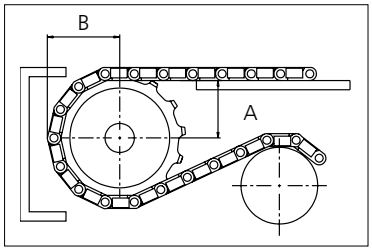
Backflex radius when flights are used: 120.0 mm (4.72 in).

Sprocket

No of teeth	Bore size					Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Double row/One way	PA6 Machined
	Pilot bore	in	2.36	3.54	3.54												
		mm	60.0	90.0	120.0	mm	in	mm	in	mm	in	mm	in	mm	in		
Z16	✓		■	■		213.0	8.4	205.4	8.1	175.8	6.9	89.1	3.5	110.9	4.4	✓	✓
Z20	✓			■	■	264.2	10.4	256.0	10.1	227.9	9.0	114.8	4.5	136.3	5.4	✓	✓

■ **Machined sprocket**





Non standard material and color: See uni Material and Color Overview.

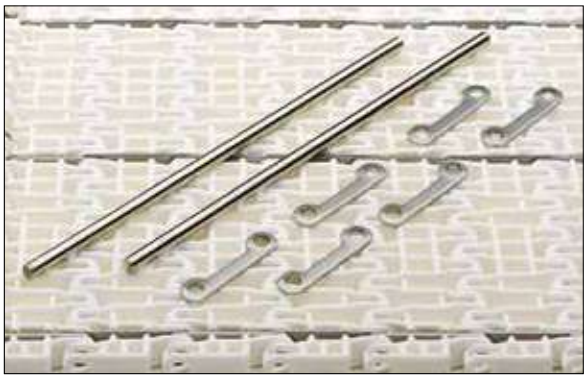
Other sprocket sizes are available upon request.
Two-part sprockets are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet
Width of single tooth = 6.5 mm (0.25 in)
Width of sprocket = 33.2 mm (1.31 in)

Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni ACB.
For more detailed sprocket information. contact Customer Service.

Accessories

Reinforcement Link



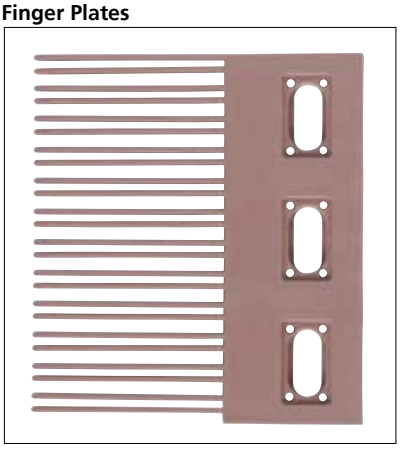
The use of uni-chains belts with the SS reinforcement /pitch control links in blanchers, cookers and other high temperature applications will reduce belt elongation due to temperature by more than 90%. This will simplify the belt take-up system and reduce maintenance.
uni-chains recommends three reinforcement links per K1200 module.
Note: Reinforcement links require the use of SS pins.

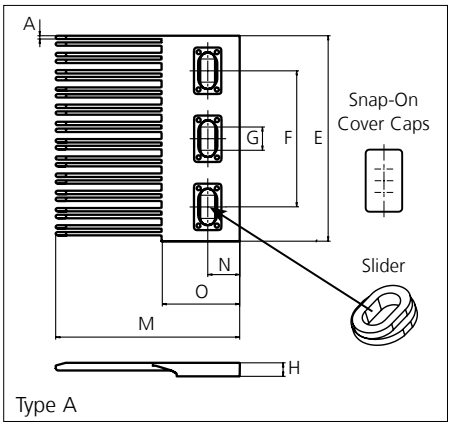
Type	Material & color	N/row	Lbf/row
Steel Link	SS316	2500	562

Non Standard material and color: See uni Material and Color Overview.

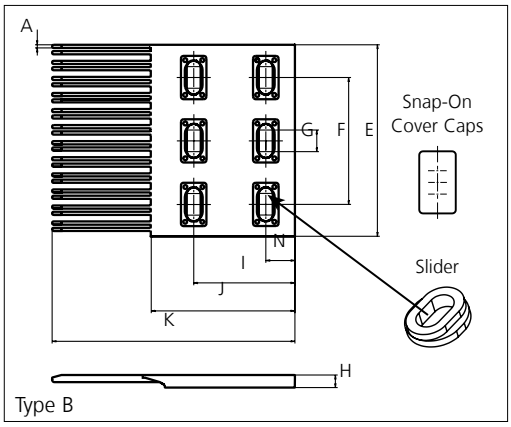
Accessories

Finger Plates





Type A



Type B

Type	Material & color	A		E		F		G	
		mm	in	mm	in	mm	in	mm	in
Single Sided 150x149 Single Sided 120x149	POM-LF BR POM-DI G	2.5	0.10	152.1	5.99	100.3	3.95	12.0	0.47

H		I		J		K		M		N		O	
mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
10.0	0.39	80.0	3.15	114.0	4.49	192.0	7.56	135.0	5.31	23.0	0.91	57.0	6.18

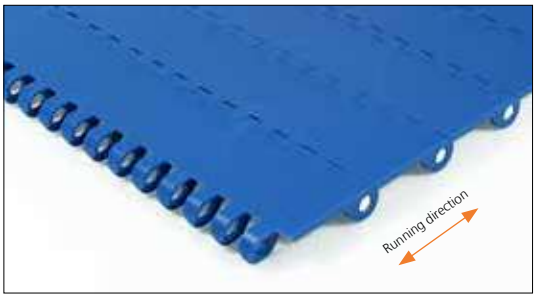
All uni-chains belt systems are available in a raised rib version that can be supplied with matching finger plates, alsocalled combs.
The finger plates are supplied with cover caps which can be attached when the finger plate has been installed. The cover caps can be removed by using a screwdriver that can be inserted between the cover and finger plate. In order to adjust to belt width variations caused by temperature fluctuations, a slider facilitates the sideways movement of the finger plates.

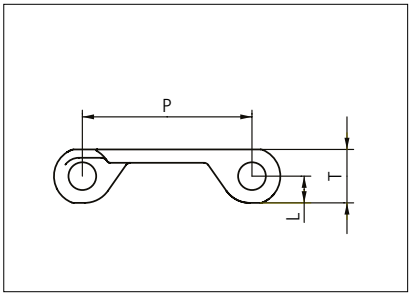
Non Standard material and color: See uni Material and Color Overview.

EN

Plastic Modular Belt

Series **uni UCB** Type **Closed**





Straight running belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Flat
Surface opening: Closed
Backflex radius: 65.0 mm (2.6 in)
Pin diameter: 8.0 mm (0.31 in)

Belt material & color	POM-D W B	PP-I W B	PE-I N B
Pin material & color	PP W		PE W

	mm	in		mm	in
P (Nominal)	50.8	2.00	**T**	16.0	0.63
L	8.0	0.31	**-**	-	-

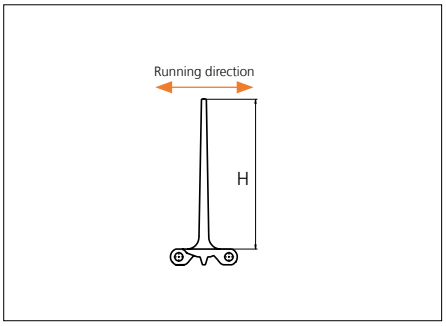
Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock systems and materials: Contact Customer Service.

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PP		PP-I/PP		PE-I/PE		POM-D/PP		PP-I/PP		PE-I/PE			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
152	6.0	1596	359	958	215	365	82	1.2	0.80	0.8	0.55	0.8	0.57	2	2	2
203	8.0	2132	479	1279	287	487	110	1.6	1.07	1.1	0.73	1.1	0.76	3	3	2
253	10.0	2657	597	1594	358	607	136	2.0	1.33	1.4	0.91	1.4	0.95	3	3	2
304	12.0	3192	718	1915	431	730	164	2.4	1.60	1.6	1.10	1.7	1.14	4	4	2
354	13.9	3717	836	2230	501	850	191	2.8	1.86	1.9	1.28	2.0	1.33	4	4	3
405	15.9	4253	956	2552	574	972	219	3.2	2.13	2.2	1.46	2.3	1.52	5	5	3
455	17.9	4778	1074	2867	644	1092	245	3.6	2.39	2.4	1.64	2.5	1.71	5	5	3
506	19.9	5313	1194	3188	717	1214	273	4.0	2.66	2.7	1.83	2.8	1.90	6	6	4
556	21.9	5838	1312	3503	787	1334	300	4.3	2.92	3.0	2.01	3.1	2.09	6	6	4
607	23.9	6374	1433	3824	860	1457	327	4.7	3.19	3.3	2.19	3.4	2.28	7	7	4
657	25.9	6899	1551	4139	930	1577	354	5.1	3.45	3.5	2.37	3.7	2.46	7	7	5
708	27.9	7434	1671	4460	1003	1699	382	5.5	3.72	3.8	2.56	4.0	2.66	8	8	5
758	29.8	7959	1789	4775	1074	1819	409	5.9	3.98	4.1	2.74	4.2	2.84	8	8	5
809	31.9	8495	1910	5097	1146	1942	436	6.3	4.25	4.3	2.92	4.5	3.03	9	9	6
859	33.8	9020	2028	5412	1217	2062	463	6.7	4.51	4.6	3.10	4.8	3.22	9	9	6
910	35.8	9555	2148	5733	1289	2184	491	7.1	4.78	4.9	3.28	5.1	3.41	10	10	6
960	37.8	10080	2266	6048	1360	2304	518	7.5	5.05	5.2	3.46	5.4	3.60	10	10	7
1011	39.8	10616	2386	6369	1432	2426	545	7.9	5.31	5.4	3.65	5.6	3.79	11	11	7
Additional standard belt widths are available in steps of 50.4 mm (2.00 in).																
1971	77.6	20696	4652	12417	2791	4730	1063	15.4	10.36	10.6	7.11	11.0	7.39	20	20	13
Additional standard belt widths are available in steps of 50.4 mm (2.00 in).																
2981	117.4	31301	7036	18780	4222	7154	1608	23.3	15.67	16.0	10.76	16.6	11.18	30	30	20

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service.
Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in).
*Max. Load per Drive Sprocket. Belt material: POM-DI 1000 N (225 lbf), PPI 660 N (149 lbf), PEI 170 N (38 lbf).
**Max. Spacing between wear strips, Carry: 101.0 mm (4.00 in); Return: 152.0 mm (6.00 in).
= Single Link

Accessories

Flight



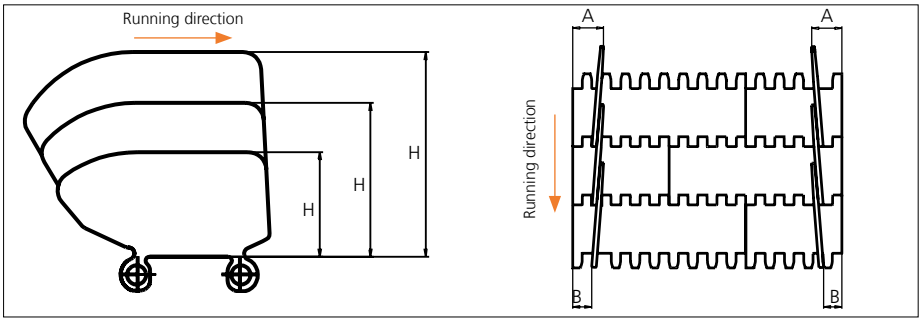
Type	Material & color	H		Link size	Width		Indent both sides	
		mm	in		mm	in	mm	in
Flat	POM-D W B PP-I W B PE-I N B	5.0	0.20	K600	151.0	5.94	3.0	0.12
		10.0	0.39					
		25.4	1.00				0.0	0.0
		50.8	2.00					
		76.2	3.00					
		101.6	4.00					
		101.6	4.00				34.0*	1.34
		152.4	6.00				0.0	0.00

*Indent only in one side.

Depending on height and spacing the use of product supports may influence the backflex radius.
Other flights are avaliable: see uni MPB Flights datasheet.

Accessories

Side Guard



Type	Side Guard Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	PP-I W B PE-I N B	50.8	2.00	32.0	1.26	16.0	0.63
		76.2	3.00				
		101.6	4.00				

*34.0 mm (1.34 in) combined with flight. Increment: 8.4 mm (0.33 in).
Note: Backflex radius when Side Guards are used: 200.0 mm (7.90 in)

Sprocket

No of teeth	Bore size									Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Single row/One way	LG PA6 Molded	N PA6 Machined
	Pilot bore	in	1.00	1.18	1.25	1.50	1.57	2.36	2.50													
		mm	25.4	30.0	31.8	38.1	40.0	60.0	63.5	mm	in	mm	in	mm	in	mm	in	mm	in			
Z08	✓		●	●	●	■	● ■			132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.94	✓	✓	
Z10	✓			●	●	● ■	● ■			166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	✓	✓	
Z10								■	■	166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	✓	✓	
Z12	✓			●	●	● ■	● ■			198.6	7.82	196.3	7.73	65.0	2.56	86.8	3.42	106.6	4.19	✓	✓	
Z12								■	■	198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.19	✓	✓	
Z16	✓			■	■	■	■	■	■	263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	✓		✓

● Molded sprocket ■ Machined sprocket

Other sprocket sizes are available upon request.
Other bore sizes on sprockets are available upon request.
Max. load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

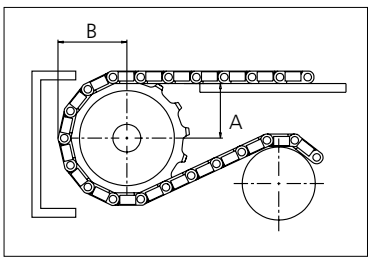
Width of tooth = Single row 9.5 mm (0.37 in)

Width of One-part sprocket = Single row: 42.3 mm (1.67 in)

uni UltraClean Two-Part Sprocket

No. of teeth	Bore size				Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Single row/One way	W PA6 Moulded
	in	1.50	1.57	2.36												
	mm	38.1	40.0	60.0	mm	in	mm	in	mm	in	mm	in	mm	in		
Z8		■	■		132.9	5.23	132.8	5.23	80.0	3.15	53.3	2.10	74.9	2.94	✓	✓
Z10		[1]■	[1]■	[2]■	166.3	6.55	164.4	6.47	[1]126.0 [2]118.0	[1]4.96 [2]4.65	70.2	2.76	90.7	3.57	✓	✓
Z12		[1]■	[1]■	[2]■	198.6	7.82	196.3	7.73	[1]126.0 [2]118.0	[1]4.96 [2]4.65	86.8	3.42	106.6	4.19	✓	✓

■ Moulded uni UltraClean TwoPart Sprocket



Width of UltraClean Two-part sprocket = Single row: 44.0 mm (1.73 in)

Width of UltraClean Two-part sprocket, tooth = Single row: 9.5 mm (0.37 in)

uni Retainer Rings: See uni Retainer Ring data sheet.
For correct sprocket position: See uni Assembly Instructions for uni UCB.
For more detailed sprocket information. contact Customer Service.

uni ECB
Reduce sus costes de limpieza

Hace algunos años uni-chains revolucionó las propiedades higiénicas de las bandas transportadoras modulares, introduciendo el concepto Single Link®. Eliminando el patrón en zigzag con uni Single Link®, los clientes apreciaron mejoras significativas en la facilidad de limpieza y en el consumo de agua en las operaciones de limpieza de sus transportadores.

Ahora es el momento de dar el siguiente paso en la optimización de la higiene en las líneas de procesamiento de carne. Eliminando el pasador en las bandas modulares, ya estamos listos para presentar:

uni ECB con el diseño patentado uni Snap Link® – una banda sin pasadores

El orificio del pasador y el pasador interno son problemas higiénicos sin resolver en todas las bandas modulares actualmente en el mercado. Eliminando el pasador y su orificio, desaparece un elemento clave de retención de bacterias.

Las bisagras de anclaje absorben el impacto y accionan la banda utilizando los sistemas de transmisión por piñón de mayor facilidad de limpieza del mercado.

uni-chains, miembro de Grupo Europeo de Diseño e Ingeniería de Higiene

Las bandas de transporte de grado alimenticio cumplen con los estándares CE1935/2004, FDA y USDA

Las bandas de transporte de grado alimenticio cumplen con NSF/ANSI/3-A

Nuevo concepto de bandas SAFE & CLEAN

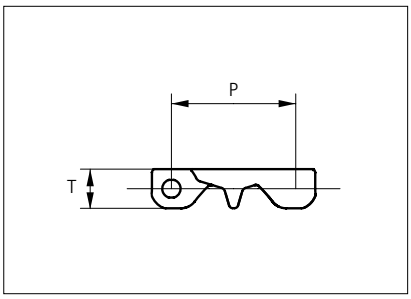
uni ECB está fabricado según el concepto **SAFE & CLEAN** con el objetivo de alcanzar los más altos niveles de higiene y facilidad de limpieza.

Fecha: 11.2017

EN

Plastic Modular Belt

Series **uni ECB** Type **C**



Straight running belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Closed
Surface opening: 0%
Front- and backflex radius:
65.0 mm (2.60 in)
uni Snap link (pinless)

			mm	in		mm	in
Belt material & color	POM SI W	**P (Nominal)**	50.8	2.00	**T**	16.0	0.94

Non standard material and color: See uni Material and Color Overview.
POM-SI B is available as MTO and can be used as marker in belt.
Please note that uni ECB in POM-SI blue is not according to the standard color quality for blue. Small variations may occur.

Belt width			Permissible tensile force (Belt material)		Weight (Belt material)		Min No drive sprocket per shaft	Number of wear strips (min no)	
			POM-SI		POM-SI				
	mm	in	N	lb	kg/m	lb/ft		**Carry (pcs)	**Return (pcs)
K1600	402	15.8	4400	899	5.0	3.36	3	3	2
K1800	452	17.8	5500	1236	6.2	4.44	4	4	2
K2000	501	19.8	5500	1236	6.6	4.17	4	4	2
K2400	603	23.7	6600	1484	7.5	5.04	5	5	3
K3000	754	29.7	7700	1731	9.3	6.25	6	6	3
K3200	806	31.7	8800	1978	10.0	6.72	6	6	3

General belt tolerance is +0/-0.4% at 23°C/73°F.
*Max. Load per Drive Sprocket. Belt material: 1500 N (337 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
All materials are FDA approved for use with food contact. uni ECB complies to the following standards; EC 1935/2004, EU 10/2011, NSF/ANSI/3-A STANDARD 14159-1.
Material temperature range: -40 to +90°C (-40 to +194°F).
Non standard belt widths: K1600/K2400/K3200 can be bricklayed to make higher belt widths.
Non standard belt widths is not recommended by uni-chains because of cleanability.
= Single Link

STANDARD
STRAIGHT RUNNING
PITCH 50.8 MM/2.00 IN

Sprocket

No of teeth	Bore size									Overall diameter		Pitch-diameter		Hub-diameter		*Dimension A		Dimension B		Single row/One way	PA6 LG Molded
	Pilot bore	in	1.00	1.18	1.25	1.50	1.57	2.36	2.50	mm	in	mm	in	mm	in	mm	in	mm	in		
		mm	25.4	30.0	31.8	38.1	40.0	60.0	63.5												
Z08	✓		●	●	●	■	●■			132.9	5.23	132.8	5.23	65	2.56	53.3	2.10	74.9	2.95	✓	✓
Z10	✓			●	●	●■	●■			166.3	6.55	164.4	6.47	65	2.56	70.2	2.76	90.7	3.57	✓	✓
Z10								■	■	166.3	6.55	164.4	6.47	120	4.72	70.2	2.76	90.7	3.57	✓	✓
Z12	✓			●	●	●■	●■			198.6	7.82	196.3	7.73	65	2.56	86.8	3.42	106.6	4.20	✓	✓
Z12								■	■	198.6	7.82	196.3	7.73	120	4.72	86.8	3.42	106.6	4.20	✓	✓
Z16	✓			●	●	●■	●■	■	■	263.8	10.39	260.4	10.25	150	5.90	119.7	4.71	138.7	5.46	✓	✓

■ **Moulded sprocket** ● **Moulded sprocket**

Other sprocket sizes are available upon request.
Other bore sizes on sprockets are available upon request.
Round bores are always delivered with keyway.
Max. load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

Width of tooth = Single row 9.5 mm (0.37 in)

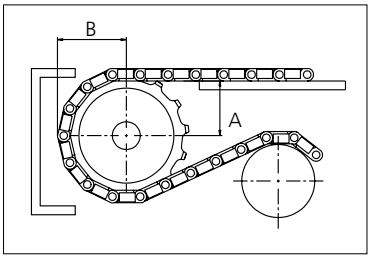
Width of One-part sprocket = Single row: 42.3 mm (1.67 in)

Non standard material and color: See uni Material and Color Overview.

uni UltraClean Two-Part Sprocket

No. of teeth	Bore size				Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Single row/One way	PA6 W Moulded
	in	1.50	1.57	2.36	mm	in	mm	in	mm	in	mm	in	mm	in		
	mm	38.1	40.0	60.0												
Z8		■	■		132.9	5.23	132.8	5.23	80.0	3.15	53.3	2.10	74.9	2.94	✓	✓
Z10		[1]■	[1]■	[2]■	166.3	6.55	164.4	6.47	[1]126.0 [2]118.0	[1]4.96 [2]4.65	70.2	2.76	90.7	3.57	✓	✓
Z12		[1]■	[1]■	[2]■	198.6	7.82	196.3	7.73	[1]126.0 [2]118.0	[1]4.96 [2]4.65	86.8	3.42	106.6	4.19	✓	✓

■ **Moulded uni UltraClean TwoPart Sprocket**



Width of UltraClean Two-part sprocket = Single row: 44.0 mm (1.73 in)

Width of UltraClean Two-part sprocket, tooth = Single row: 9.5 mm (0.37 in)

uni Retainer Rings: See uni Retainer Ring data sheet.
For correct sprocket position: See uni Assembly Instructions for uni ECB.
For more detailed sprocket information. contact Customer Service.

The next generation of plastic modular belts for Automotive

Introduction of a new innovative product: uni CSB

After more than 10 years of success in the industry, many customers indicated that they wanted more out of a plastic modular belt.

· Lower energy consumption
· Longer conveyor lengths and less transfers
· Higher load capacity
· Lower construction heights (less pit depth)
· Electrically conductive without compromising belt pull
· Flame retardant without compromising belt pull
· Good ergonomics and worker safety

The result of these customer's wishes is our new uni CSB. uni CSB is specially designed with and for the automotive industry, "heavy load" conveying and people moving industry.

This approach has resulted in a two unique belt features:
· 2 inch pitch belt rated at 100.000 N/m comparable to exisiting 2.5 inch and 3 inch pitch belts.
· Use of Dual Compount Technology (DCT) resulting in the world's first plastic "real modular" modular link.

Dual Compound Technology provides the uni CSB with a high versatility. This allows for a combination of different materials within one conveyor belt to meet customer demands without compromising any of the belts remarkable features such as high allowable belt pull.

uni CSB: The 2 inch pitch modular belt that can do what all other 2.5 inch pitch and 3 inch pitch belts can do… and more!



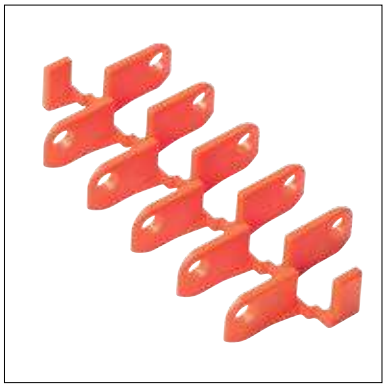



uni CSB	**Stronger belts at lower costs**	· 2 inch pitch means low construction heights and less pit depth required. · Lower belt weight allows for a higher load, a longer center to center distance and less transfers. · Lower belt weight results in less needed drive power, smaller drive motors and smaller gearboxes. · Electrically conductive properties are added to the belt through cost efficient inserts without compromising belt pull as usual. · The belt can be executed in a combination of B1* fire rating and electrically conductive properties.
	Lower total cost of ownership	· Long belt life due to high contact area and innovative belt bottom design. · Less bottom wear at high surface pressure due to wear-resistant wheelplate inserts. · Longer conveyors and higher loads on one conveyor. · Low maintenance costs due to extremely low maintenance requirement. · Lower belt weight results in lower energy consumption.
	Safe Walk	· Appropriate grip in dry and wet conditions. · Low belt profile to avoid injuries and foot discomfort. · Colored edges to visualize moving floors.

*B1: Fire rated material (Flammability Class B1)

Base link open + electrical conductive insert = EC link

Base link closed + WP wear part insert = Wheel Plate



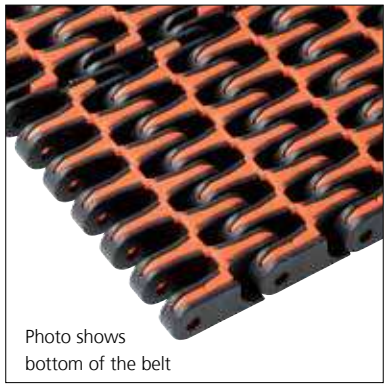


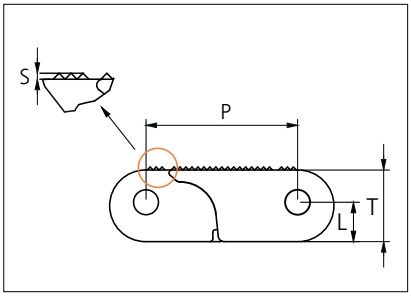
Photo shows bottom of the belt

Dual Compound Technology (DCT):

Combining the best properties of two materials in one belt link

Plastic Modular Belt

Series **uni CSB** Type **Rough**



Straight running belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Rough (R11)
Surface opening: Closed
Backflex radius: 100 mm (3.94 in)
Pin diameter: ø8.0 mm (0.31 in)

STANDARD

Belt material & color	POM NLAS **K**	POX-FR **EG**	PP **DG**
Pin and lock material & color	PA6.6 **N**		

	mm	in		mm	in
P (Nominal)	50.8	2.00	**T**	24.0	0.94
L	13.2	0.52	**S**	1.0	0.04

Non standard material and color: See uni Material and Color Overview. Safety edges with orange edge links mounted on alternating pitches along both belt edges are optional.

Alternative pin and lock materials: SS420 PP **O**

Belt width		Permissible tensile force (Belt/pin material)								***Belt weight (Belt/pin material)				Min No drive sprocket per shaft	Number of wear strips (min no)	
		POM NLAS/PA66 POX-FR/PA66		POM NLAS/SS POX-FR/SS		PP/PA66		PP/SS		POM NLAS/PA66		PP/PA66			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	Kg/m	lb/ft	Kg/m	lb/ft			
305	12.0	27450	6171	30500	6856	15250	3428	15250	3428	5.7	3.83	3.7	2.48	3	3	2
458	18.0	41220	9266	45800	10296	22900	5148	22900	5148	8.6	5.76	5.5	3.72	4	4	2
610	24.0	54900	12342	61000	13713	30500	6856	30500	6856	11.4	7.67	7.4	4.96	5	5	3
763	30.0	68670	15437	76300	17152	38150	8576	38150	8576	14.3	9.59	9.2	6.20	6	6	3
915	36.0	82350	18512	91500	20569	45750	10285	45750	10285	17.1	11.50	11.1	7.44	7	7	4
1068	42.0	96120	21608	106800	24009	53400	12004	53400	12004	20.0	13.42	12.9	8.68	8	8	4
1220	48.0	109800	24683	122000	27426	61000	13713	61000	13713	22.8	15.33	14.8	9.92	9	9	5
1373	54.1	123570	27779	137300	30865	68650	15433	68650	15433	25.7	17.25	16.6	11.16	10	10	5
1525	60.0	137250	30854	152500	34282	76250	17141	76250	17141	28.5	19.17	18.5	12.40	11	11	6
1677	66.0	150930	33929	167700	37699	83850	18849	83850	18849	31.4	21.08	20.3	13.64	12	12	6
1830	72.0	164700	37025	183000	41138	91500	20569	91500	20569	34.2	23.00	22.1	14.88	13	13	7
1982	78.0	178380	40100	198200	44555	99100	22278	99100	22278	37.1	24.91	24.0	16.12	14	14	7

Additional standard belt widths are available in steps of 152.2 mm (5.99 in). Additional non-standard belt widths are available in steps of 1 in (25.4 mm (1.00 in))

2897	114.1	260730	58612	289700	65125	144850	32562	144850	32562	54.2	36.41	35.1	23.56	20	20	10

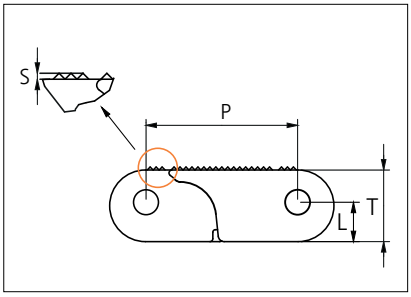
Additional standard belt widths are available in steps of 152.2 mm (5.99 in). Additional non-standard belt widths are available in steps of 1 inch (25.4 mm (1.00 in))

3964	156.1	356760	80200	396400	89111	198200	44555	198200	44555	74.1	49.82	48.0	32.23	27	27	14

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
The belt width in POX-FR is 1.0 % wider than in POM NLAS and PP.
*Max. Load per Drive Sprocket. Belt material: POM NLAS 6000 N (1349 lbf). PP 4000 N (899 lbf). POX-FR 6000 N (1349 lbf).
**Max. Spacing between wear strips. Carry: 152 mm (6 in); Return: 304 mm (12 in). We recommend full deck support on carry way section for automotive applications.
***The weight of the belt with SS pins is 6.7 kg/m² (1.38 lb/ft²) higher than with PA66 pins.
***The weight in POX-FR is approximately 12% lower than the weight of POM NLAS.
uni CSB POX-FR is B1 fire rated according to DIN4102.

Plastic Modular Belt

Series **uni CSB** Type **8% Rough**



Straight running belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Rough (R11)
Surface opening: 8%
Backflex radius: 100 mm (3.94 in)
Pin diameter: ø8.0 mm (0.31 in)

STANDARD

Belt material & color	POM NLAS **K**	POX FR **EG**	PP **DG**
Pin and lock material & color	PA6.6 **N**		

	mm	in		mm	in
P (Nominal)	50.8	2.00	**T**	24.0	0.94
L	13.2	0.52	**S**	1.0	0.04

Non standard material and color: See uni Material and Color Overview. Safety edges with orange edge links mounted on alternating pitches along both belt edges are optional.

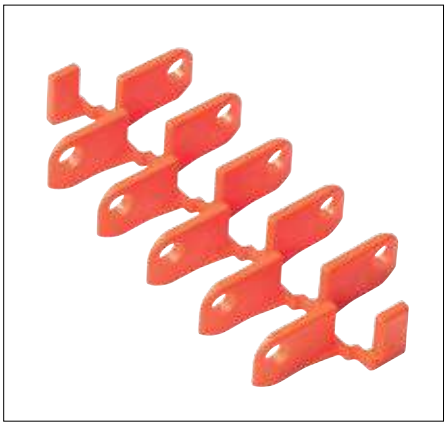
Alternative pin and lock materials: SS420 PP **O**

Belt width		Permissible tensile force (Belt/pin material)								***Belt weight (Belt/pin material)				Min No drive sprocket per shaft	Number of wear strips (min no)	
		POM NLAS/PA66 POX FR/PA66		POM NLAS/SS POX FR/SS		PP/PA66		PP/SS		POM NLAS/PA66		PP/PA66			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	Kg/m	lb/ft	Kg/m	lb/ft			
305	12.0	27450	6171	30500	6856	15250	3428	15250	3428	5.5	3.71	3.6	2.40	3	3	2
458	18.0	41220	9266	45800	10296	22900	5148	22900	5148	8.3	5.57	5.4	3.60	4	4	2
610	24.0	54900	12342	61000	13713	30500	6856	30500	6856	11.0	7.42	7.1	4.80	5	5	3
763	30.0	68670	15437	76300	17152	38150	8576	38150	8576	13.8	9.28	8.9	6.00	6	6	3
915	36.0	82350	18512	91500	20569	45750	10285	45750	10285	16.6	11.13	10.7	7.19	7	7	4
1068	42.0	96120	21608	106800	24009	53400	12004	53400	12004	19.3	12.99	12.5	8.40	8	8	4
1220	48.0	109800	24683	122000	27426	61000	13713	61000	13713	22.1	14.84	14.3	9.59	9	9	5
1373	54.1	123570	27779	137300	30865	68650	15433	68650	15433	24.9	16.70	16.1	10.80	10	10	5
1525	60.0	137250	30854	152500	34282	76250	17141	76250	17141	27.6	18.55	17.8	11.99	11	11	6
1677	66.0	150930	33929	167700	37699	83850	18849	83850	18849	30.4	20.40	19.6	13.19	12	12	6
1830	72.0	164700	37025	183000	41138	91500	20569	91500	20569	33.1	22.26	21.4	14.39	13	13	7
1982	78.0	178380	40100	198200	44555	99100	22278	99100	22278	35.9	24.11	23.2	15.58	14	14	7
Additional standard belt widths are available in steps of 152.2 mm/5.99 in. Additional non-standard belt widths are available in steps of 1 in (25.4 mm/1.00 in)																
2897	114.1	260730	58612	289700	65125	144850	32562	144850	32562	52.4	35.24	33.9	22.78	20	20	10
Additional standard belt widths are available in steps of 152.2 mm/5.99 in. Additional non-standard belt widths are available in steps of 1 in (25.4 mm/1.00 in)																
3964	156.1	356760	80200	396400	89111	198200	44555	198200	44555	71.7	48.22	46.4	31.17	27	27	14

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
The belt width in POX FR is 1.0 % wider than in POM NLAS and PP.
*Max. Load per Drive Sprocket. Belt material: POM NLAS 6000 N (1349 lbf). PP 4000 N (899 lbf). POX FR 6000 N (1349 lbf).
**Max. Spacing between wear strips. Carry: 152 mm (6 in); Return: 304 mm (12 in). We recommend full deck support on carry way section for automotive applications.
***The weight of the belt with SS pins is 6.7 kg/m² (1.38 lb/ft²) higher than with PA66 pins.
***The weight in POX FR is approximately 12% lower than the weight of POM NLAS.
uni CSB POX FR is B1 fire rated according to DIN4102.

Accessories

Insert



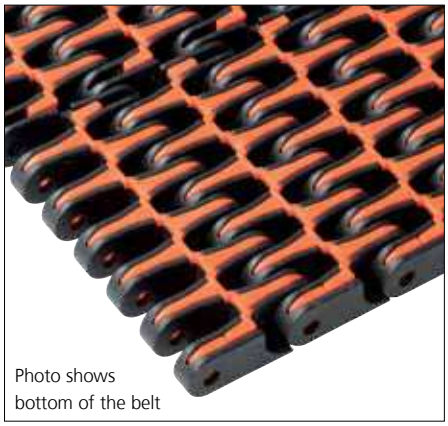


Photo shows
bottom of the belt

Type	Insert material & color	Weight	
		kg/m²	lb/ft²
Wheel plate	POM DK O	4.7	0.97

Contact area/wear surface of belt will incease from 24% to 47% by the use of inserts.

Accessories

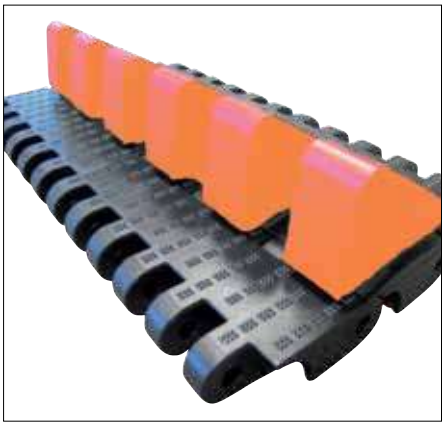
Insert

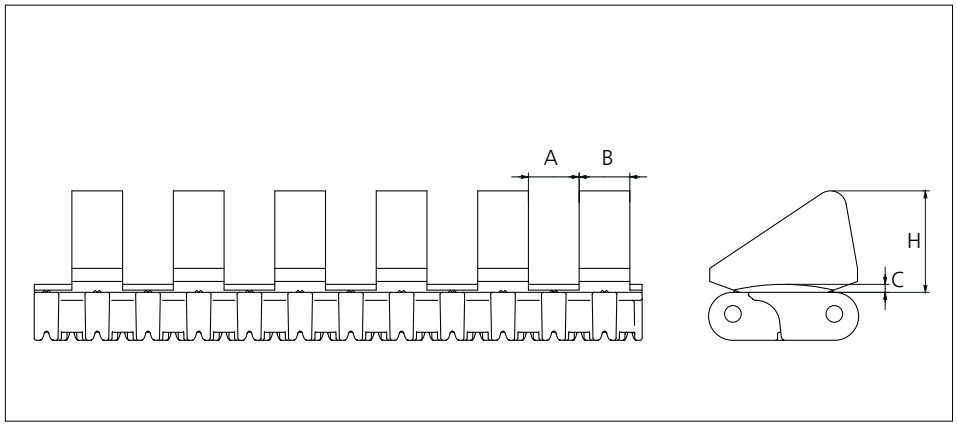
Type	Belt material & color	Weight	
		kg/m²	lb/ft²
EC	POX FREC K	5.3	1.09

Contact area/wear surface of belt will incease from 24% to 47% by the use of inserts.
POX FREC holds a surface resistivity of 1x10³ Ohm according to IEC 60093/ASTM D257.

Accessories

Flight





Type	Material & color	A		B		C		H		Link size	Width	
		mm	in	mm	in	mm	in	mm	in		mm	in
Car pusher	PE O	25.4	1.00	25.4	1.00	4.0	0.16	50.8	2.00	K1200	305.0	12.00

Backflex radius when flights are used: 200 mm (7.87 in)

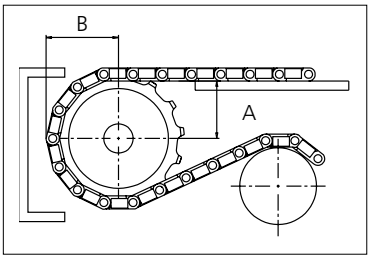
Sprocket

No of teeth	Bore size							Overall diameter		Pitch-diameter		Hub-diameter		*A-dimension		B-dimension		Single row/Two way	Double row/Two way	LG PA6 Molded	N PA6 Machined
	Pilot bore	in	1.57	2.36	**2.50**	3.54	3.54														
		mm	**40.0**	**60.0**	63.5	**90.0**	**120.0**	mm	in	mm	in	mm	in	mm	in	mm	in				
Z12	x			■		■		197.0	7.76	197.3	7.77	150.0	5.91	82.0	3.23	109.4	4.31		x		x
Z16	x			■		■	■	261.4	10.29	263	10.35	200.0	7.87	115.0	4.53	141.5	5.57		x		x

*A-dimension for automotive applications use A = (B-23.0 mm/0.91 in).

Non standard material and color: See uni Material and Color Overview.

■ Machined sprocket



Other sprocket sizes are available upon request.
Two-part sprockets are available upon request.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet.
Width of single tooth = 10.0 mm (0.39 in)
Width of sprocket = 50.0 mm (1.98 in)

Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni CSB.
For more detailed sprocket information, contact Customer Service.

Paso de 63.5 mm (2.50 pulgadas)

uni X-MPB – La banda higiénica más fuerte para la industria alimentaria

La banda uni X-MPB forma parte de la serie higiénica uni MPB, usada principalmente en diversas aplicaciones alimentarias. Esta banda de tramo recto y paso de 2.5 pulgadas tiene el esfuerzo de tracción y la resistencia a impactos más altas de la gama de productos de unichains de bandas para la industria alimentaria.

La banda uni X-MPB ha demostrado ser la mejor en las siguientes industrias/aplicaciones:

- Cárnica (ternera y cerdo), incluyendo líneas de deshuesado, de corte de grasa, líneas de corte, transporte de desechos, desviscerado y transporte inclinado
- Avícola, incluyendo transporte de jaulas, líneas de deshuesado, corte de grasa, transporte de desechos y transporte inclinado
- Frutas y verduras, incluyendo elevadores y mesas de inspección

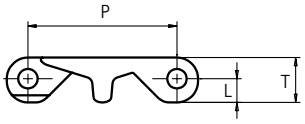
Características del producto y ventajas de funcionamiento:

- Fácil de limpiar con una reducción de tiempos muertos dedicados a limpieza
- El sistema de cierre único (lockpin) permite un mantenimiento más sencillo y rápido
- El engranaje único de las ruedas permite una mayor carga de producto y transportadores más largos
- Materiales autorizados por la FDA y diseño autorizado por la USDA
- Soportes fuertes y gruesos que permiten más carga sin roturas
- Resistencia a impactos para soportar la caída de objetos pesados sobre la banda

EN

Plastic Modular Belt

Series **uni X-MPB** Type **C**



Straight running belt
Nominal pitch: 63.5 mm (2.50 in)
Surface type: Flat
Surface opening: Closed
Backflex radius: 75.0 mm (2.95 in)
Pin diameter: 8.0 mm (0.31 in)

Belt material & color	POM-DI **W**	PE-I **N**
Pin and lock material & color	PA6.6 **N**	

	mm	in		mm	in
P (Nominal)	63.5	2.50	**T**	19.1	0.75
L	10.1	0.40	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PP **W** PBT **LG**

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-DI/PA6.6		PE-I/PA6.6		POM-DI/PA6.6		PE-I/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
76	3.0	2280	513	760	171	1.1	0.75	0.8	0.51	2	2	2
152	6.0	4558	1025	1519	342	2.2	1.49	1.5	1.02	2	2	2
227	9.0	6822	1534	2274	511	3.3	2.23	2.3	1.53	2	2	2
303	11.9	9087	2043	3029	681	4.4	2.97	3.0	2.04	3	3	2
378	14.9	11352	2552	3784	851	5.5	3.71	3.8	2.54	3	3	2
454	17.9	13616	3061	4539	1020	6.6	4.45	4.5	3.05	4	4	2
529	20.8	15881	3570	5294	1190	7.7	5.19	5.3	3.56	4	4	2
605	23.8	18146	4079	6049	1360	8.8	5.93	6.0	4.06	5	5	3
680	26.8	20410	4588	6803	1529	9.9	6.68	6.8	4.57	5	5	3
756	29.8	22675	5097	7558	1699	11.0	7.42	7.6	5.08	6	6	3
831	32.7	24940	5606	8313	1869	12.1	8.16	8.3	5.59	6	6	3
907	35.7	27204	6116	9068	2039	13.2	8.90	9.1	6.09	7	7	4
982	38.7	29469	6625	9823	2208	14.3	9.64	9.8	6.60	7	7	4

Additional standard belt widths are available in steps of 75.5 mm (2.97 in). Additional non-standard belt widths are available in steps of 25.2 mm (0.99 in).

1963	77.3	58890	13238	19630	4413	28.7	19.26	19.6	13.19	14	14	7

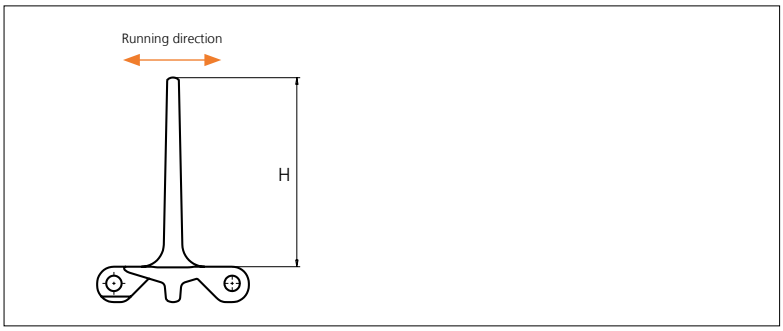
Additional standard belt widths are available in steps of 75.5 mm (2.97 in). Additional non-standard belt widths are available in steps of 25.2 mm (0.99 in).

2945	115.9	88350	19861	29450	6620	43.0	28.90	29.5	19.79	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-DI 4000 N (899 lbf),PE-I 3000 N (674 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
= Single Link

Accessories

Flight



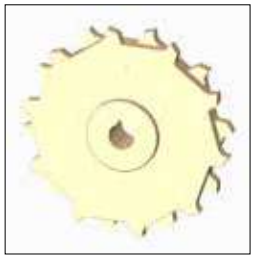
Type	Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Flat	POM-DI **W**	101.6	4.00	K600	151.0	5.94	0.0	0.00

Non Standard material and color: See uni Material and Color Overview.

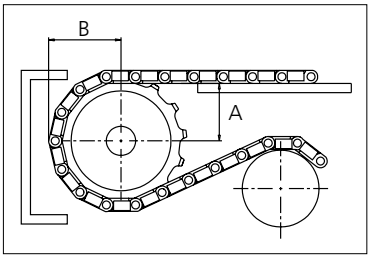
Sprocket

No. of teeth	Bore size							Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Double row/Two way	LG PA6 Molded	N PA6 Machined
	Pilot Bore	in	1.18	**1.25**	**1.50**	1.57	**2.50**													
		mm	**30.0**	31.8	38.1	**40.0**	63.5	mm	in	mm	in	mm	in	mm	in	mm	in			
Z06	✓		●	●	■●	●		124.2	4.89	126.0	4.96	70.0	2.76	44.9	1.77	72.5	2.85	✓	✓	
Z08	✓				■●	●		165.6	6.52	164.6	6.48	70.0	2.76	66.6	2.62	92.0	3.62	✓	✓	
Z10	✓				■●	●		206.6	8.13	203.9	8.03	70.0	2.76	87.6	3.45	111.7	4.40	✓	✓	
Z13	✓				■●	●	■	267.8	10.54	265.3	10.44	150.0	5.91	118.7	4.67	141.7	5.58	✓		✓

■ **Molded sprocket** ● **Machined sprocket** ■ **Molded sprocket** ● **Machined sprocket**



Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request.
Two-part sprocket are available upon request.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet.
Width of tooth = 12.0 mm (0.47 in)
Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni X-MPB.
For more detailed sprocket information, contact Customer Service.

Paso de 63.5 mm (2.50 pulgadas)

uni XLB M2 – La banda más fuerte del "uni-verso"

La banda de tramo recto y paso 2.5 pulgadas uni XLB M2 se diseñó para transporte de productos pesados. Es la banda perfecta como sustituta de las cadenas de charnela de acero, cadenas de arrastre y otras tecnologías que se venían utilizando para un desgaste alto o aplicaciones pesadas.

Las bandas uni XLB M2 (Cerrada, Rugosa y en Forma de V) han mejorado su funcionamiento en las siguientes industrias/ aplicaciones:

- Automóvil, incluyendo bandas transportadoras de palés, transporte de personas, bandas transportadoras de automóviles, túneles de estanqueidad
- Lavado de coches, incluyendo el lavado y la limpieza interior
- Manipulación de material como movimiento de palés y rollos grandes de papel
- Cárnica (ternera y cerdo), incluyendo líneas de cuelgue y distribución de piezas

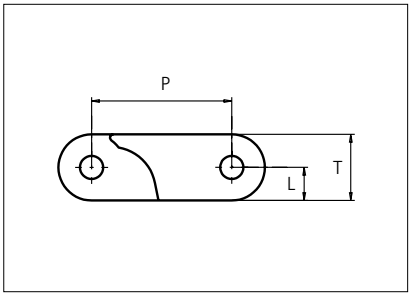
Características del producto y ventajas de funcionamiento:

- No necesita lubricación
- Requiere menos potencia, gracias a sus materiales de baja fricción
- Reducción de tiempos muertos, gracias a su fácil mantenimiento
- Bajo nivel de ruido
- Extremadamente resistente al desgaste y los impactos
- Sistema de engranaje único que reduce el efecto pulsante en transportadores largos
- Superficie rugosa, reduce el deslizamiento y permite movimientos seguros

EN

Plastic Modular Belt

Series **uni XLB** Type **M2 C**



Straight running belt
Nominal pitch: 63.5 mm (2.50 in)
Surface type: Flat
Surface opening: Closed
Backflex radius: 100.0 mm (3.90 in)
Pin diameter: 10 mm (0.39 in)

Belt material & color	POM-NL **K**
Pin and lock material & color	PA6.6 **N** PP **D**

	mm	in		mm	in
P (Nominal)	63.5	2.50	**T**	30.0	1.18
L	15.0	0.59	**-**	-	-

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock systems and materials: Contact Customer Service.

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-NL/PA6.6		POM-NL/SS		POM-NL/PA6.6		POM-NL/SS			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
82***	3.2	7560	1699	8400	1888	2.6	1.75	3.4	2.30	2	2	2
101	4.0	9045	2033	10050	2259	3.1	2.09	4.1	2.76	2	2	2
201	7.9	18054	4059	20060	4510	6.2	4.18	8.2	5.50	2	2	2
301	11.8	27063	6084	30070	6760	9.3	6.26	12.3	8.25	3	3	2
401	15.8	36072	8109	40080	9010	12.4	8.35	16.4	10.99	3	3	2
501	19.7	45082	10134	50091	11260	15.5	10.44	20.4	13.73	4	4	2
601	23.7	54091	12160	60101	13511	18.6	12.52	24.5	16.48	5	5	3
701	27.6	63100	14185	70111	15761	21.7	14.61	28.6	19.22	5	5	3
801	31.5	72109	16210	80121	18011	24.8	16.69	32.7	21.97	6	6	3
901	35.5	81118	18235	90131	20261	27.9	18.78	36.8	24.71	7	7	4
1001	39.4	90127	20261	100141	22512	31.0	20.86	40.9	27.46	7	7	4
1102	43.4	99136	22286	110151	24762	34.1	22.95	44.9	30.20	8	8	4

Additional standard belt widths are available in steps of 100.1 mm (3.94 in). Additional non-standard belt widths are available in steps of 33.4 mm (1.31 in).

1902	74.9	171180	38481	190200	42757	59.0	39.63	77.6	52.15	13	13	7

Additional standard belt widths are available in steps of 100.1 mm (3.94 in). Additional non-standard belt widths are available in steps of 33.4 mm (1.31 in).

2903	114.3	261270	58733	290300	65259	90.0	60.48	118.4	79.60	20	20	10

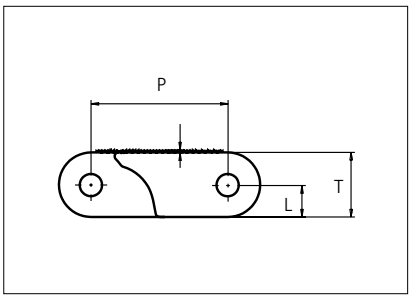
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-NL 12000 N (2698 lbf).
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).
***Type: uni XLB M1 C.
= Single Link

STANDARD
STRAIGHT RUNNING
PITCH 63.5 MM/2.50 IN

EN

Plastic Modular Belt

Series **uni XLB** Type **M2 Rough**



Straight running belt
Nominal pitch: 63.5 mm (2.50 in)
Surface type: Rough Top
Surface opening: Closed
Backflex radius: 100.0 mm (3.90 in)
Pin diameter: 10 mm (0.39 in)

Belt material & color	POM-NL **K**
Pin and lock material & color	PA6.6 **N** PP **D**

	mm	in		mm	in
P (Nominal)	63.5	2.50	**T**	30.0	1.18
L	15.0	0.59	**-**	-	-

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock systems and materials: Contact Customer Service.

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-NL/PA6.6		POM-NL/SS		POM-NL/PA6.6		POM-NL/SS			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
101	4.0	9045	2033	10050	2259	3.1	2.09	4.1	2.76	2	2	2
201	7.9	18054	4059	20060	4510	6.2	4.18	8.2	5.50	2	2	2
301	11.8	27063	6084	30070	6760	9.3	6.26	12.3	8.25	3	3	2
401	15.8	36072	8109	40080	9010	12.4	8.35	16.4	10.99	3	3	2
501	19.7	45082	10134	50091	11260	15.5	10.44	20.4	13.73	4	4	2
601	23.7	54091	12160	60101	13511	18.6	12.52	24.5	16.48	5	5	3
701	27.6	63100	14185	70111	15761	21.7	14.61	28.6	19.22	5	5	3
801	31.5	72109	16210	80121	18011	24.8	16.69	32.7	21.97	6	6	3
901	35.5	81118	18235	90131	20261	27.9	18.78	36.8	24.71	7	7	4
1001	39.4	90127	20261	100141	22512	31.0	20.86	40.9	27.46	7	7	4
1102	43.4	99136	22286	110151	24762	34.1	22.95	44.9	30.20	8	8	4
1202	47.3	108145	24311	120162	27012	37.3	25.03	49.0	32.95	9	9	5
1302	51.2	117155	26336	130172	29263	40.4	27.12	53.1	35.69	9	9	5
Additional standard belt widths are available in steps of 100.1 mm (3.94 in). Additional non-standard belt widths are available in steps of 33.4 mm (1.31 in).												
1902	74.9	171180	38481	190200	42757	59.0	39.63	77.6	52.15	13	13	7
Additional standard belt widths are available in steps of 100.1 mm (3.94 in). Additional non-standard belt widths are available in steps of 33.4 mm (1.31 in).												
2903	114.3	261270	58733	290300	65259	90.0	60.48	118.4	79.60	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-NL 12000 N (2698 lbf).
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).
= Single Link

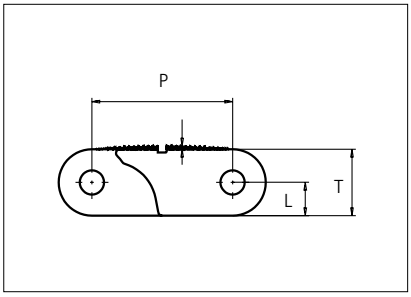
uni chains

STANDARD
STRAIGHT RUNNING
PITCH 63.5 MM/2.50 IN

EN

Plastic Modular Belt

Series **uni XLB** Type **M2 15% Rough**



Straight running belt
Nominal pitch: 63.5 mm (2.50 in)
Surface type: Rough Top
Surface opening: 15%
Backflex radius: 100.0 mm (3.90 in)
Pin diameter: 10 mm (0.39 in)

Belt material & color	POM-NL **K**
Pin and lock material & color	PA6.6 **N** PP **D**

	mm	in		mm	in
P (Nominal)	63.5	2.50	**T**	30.0	1.18
L	15.0	0.59	**-**	-	-

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock systems and materials: Contact Customer Service.

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-NL/PA6.6		POM-NL/SS		POM-NL/PA6.6		POM-NL/SS			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
101	4.0	9045	2033	10050	2259	3.1	2.09	4.1	2.76	2	2	2
201	7.9	18054	4059	20060	4510	6.2	4.18	8.2	5.50	2	2	2
301	11.8	27063	6084	30070	6760	9.3	6.26	12.3	8.25	3	3	2
401	15.8	36072	8109	40080	9010	12.4	8.35	16.4	10.99	3	3	2
501	19.7	45082	10134	50091	11260	15.5	10.44	20.4	13.73	4	4	2
601	23.7	54091	12160	60101	13511	18.6	12.52	24.5	16.48	5	5	3
701	27.6	63100	14185	70111	15761	21.7	14.61	28.6	19.22	5	5	3
801	31.5	72109	16210	80121	18011	24.8	16.69	32.7	21.97	6	6	3
901	35.5	81118	18235	90131	20261	27.9	18.78	36.8	24.71	7	7	4
1001	39.4	90127	20261	100141	22512	31.0	20.86	40.9	27.46	7	7	4
1102	43.4	99136	22286	110151	24762	34.1	22.95	44.9	30.20	8	8	4
1202	47.3	108145	24311	120162	27012	37.3	25.03	49.0	32.95	9	9	5
1302	51.2	117155	26336	130172	29263	40.4	27.12	53.1	35.69	9	9	5
Additional standard belt widths are available in steps of 100.1 mm (3.94 in). Additional non-standard belt widths are available in steps of 33.4 mm (1.31 in).												
1902	74.9	171180	38481	190200	42757	59.0	39.63	77.6	52.15	13	13	7
Additional standard belt widths are available in steps of 100.1 mm (3.94 in). Additional non-standard belt widths are available in steps of 33.4 mm (1.31 in).												
2903	114.3	261270	58733	290300	65259	90.0	60.48	118.4	79.60	20	20	10

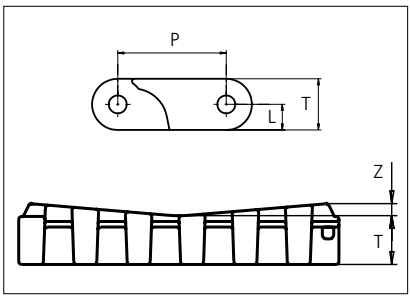
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-NL 12000 N (2698 lbf).
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).
= Single Link

uni chains

EN

Plastic Modular Belt

Series **uni XLB** Type **M2 V8**



Straight running belt
Nominal pitch: 63.5 mm (2.50 in)
Surface type: V8
Surface opening: Closed
Backflex radius: 120.0 mm (4.72 in)
Pin diameter: ø10 mm (0.39 in)

Belt material & color	POM-D **K**
Pin and lock material & color	PA6.6 **N** PP **D**

	mm	in		mm	in
P (Nominal)	63.5	2.50	**T**	30.0	1.18
L	15.0	0.59	**Z**	8.0	0.31

Non standard material and color: See uni Material and Color Overview.

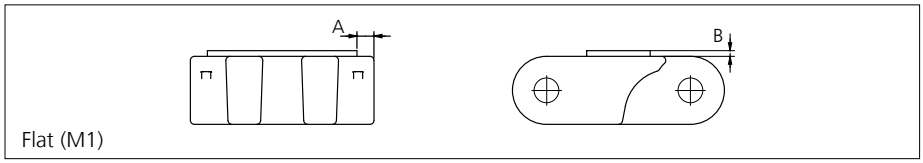
Alternative pin and lock materials: Pin: SS304

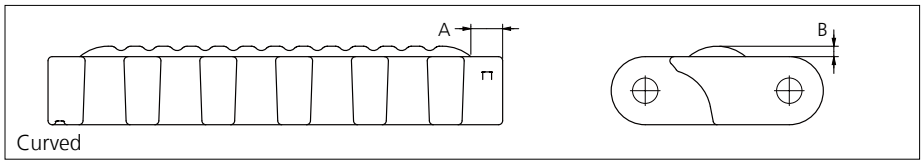
Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		POM-D/SS		POM-D/PA6.6		POM-D/SS			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
201	7.9	18090	4067	20100	4518	6.8	4.58	8.5	5.71	2	2	2
401	15.8	36104	8116	40115	9018	13.6	9.14	17.0	11.40	3	3	2
601	23.7	54117	12166	60130	13517	20.4	13.70	25.4	17.09	5	5	3
801	31.6	72131	16215	80146	18017	27.2	18.26	33.9	22.78	6	6	3

Additional standard belt widths are available in steps of 201 mm (7.91 in) Additional non-standard belt widths are available in steps of 33.4 mm (1.31 in).
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 12000 N (2698 lbf).
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).
= Single Link

Accessories

Rubber Top



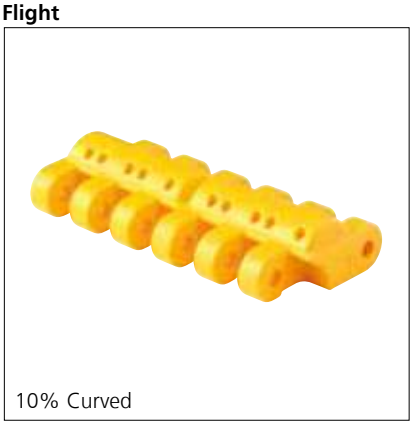


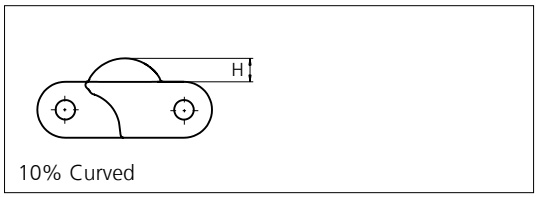
Type	Belt Material & color	Rubber Material & color	A		B		Link size	Width	
			mm	in	mm	in		mm	in
Flat	POM-NL K	05 K	7.5	0.3	2.5	0.10	K318	81.1	3.19
			7.5	0.3	2.5	0.10	K400	100.1	3.94
Curved			14.0	0.58	4.6	0.18	K800	200.2	7.88

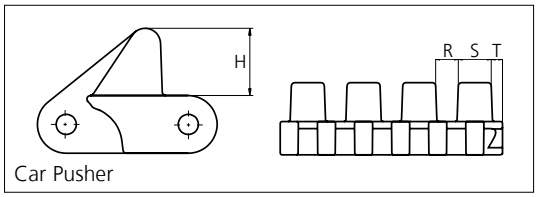
Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

Accessories

Flight







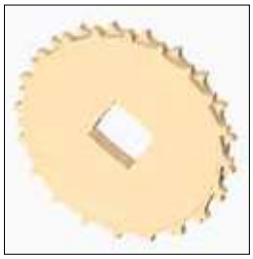
Type	Material & color	H		Link size	Width		R		S		T	
		mm	in		mm	in	mm	in	mm	in	mm	in
10% Curved	POM-D UV Y	12.5	0.49	K400	101.6	4.00	-	-	-	-	-	-
				K800	199.6	7.86						
Car Pusher	POM-DK O	35.0	1.38	K800	199.6	7.86	18.1	0.71	32.0	1.26	9.0	0.35

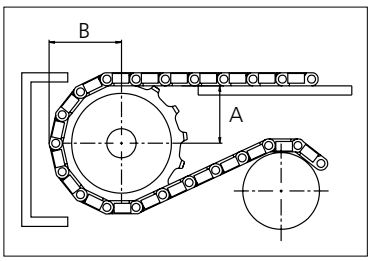
Non Standard material and color: See uni Material and Color Overview.

Sprocket

No. of teeth	Bore size													Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot Bore	in	**0.75**	0.78	0.98	**1.00**	1.18	**1.25**	**1.50**	1.57	2.36	**2.5**	3.54														
		mm	19.1	**20.0**	**25.0**	25.4	**30.0**	31.8	38.1	**40.0**	**60.0**	63.5	**90.0**	mm	in	mm	in	mm	in	mm	in	mm	in				
Z10	x								■	■	■	■	■	204.3	8.04	205.5	8.09	100.0	3.94	82.7	3.26	117.8	4.64		x	x	
Z13	x								■	■	■	■	■	264.4	10.41	265.4	10.45	150.0	5.91	113.8	4.48	147.7	5.81		x	x	
Z15	x								■	■	■	■	■	306.0	12.05	305.4	12.02	150.0	5.91	134.4	5.29	167.7	6.60		x	x	
Z20	x								■	■	■	■	■	408.0	16.06	406.0	15.98	360.0	14.07	185.5	7.30	218	8.58		x		x

■ **Molded sprocket** ■ **Machined sprocket**





Non standard material and color: See uni Material and Color Overview.

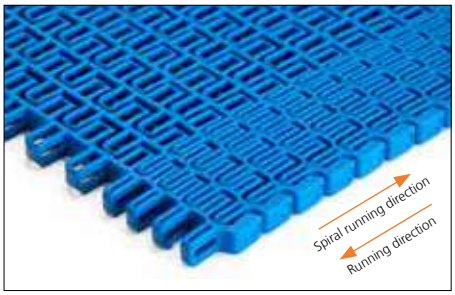
Other sprocket sizes are available upon request.
Two-part sprocket are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet
Width of tooth = 16.0 mm (0.63 in)
Width of sprocket = 33.0 mm (1.30 in)

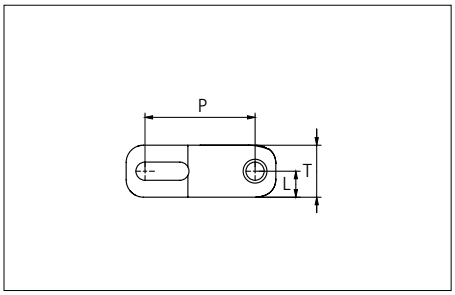
Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni XLB.
For more detailed sprocket information, contact Customer Service.

Plastic Modular Belt

Series **uni Flex OSB** Type **60% Open (Radius 2.2)**





Sideflexing belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Open
Surface opening: 60%
Backflex radius: 30.0 mm (1.18 in)
Pin diameter: 4.0 mm (0.16 in)
Min. inside radius: R2.2 x belt width

Belt material & color	POM-D **B**	PP **B**
Pin and lock material & color	PA6.6 **B**	

	mm	in		mm	in
P (Nominal)	25.4	1.00	**T**	12.0	0.47
L	6.0	0.24	**-**	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock systems and materials: Contact Customer Service.

Belt width		Permissible tensile force (Belt/pin material)								Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6			Carry (pcs)	Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections								
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
303	11.9	3333	749	2040	459	2485	559	1224	275	1.6	1.10	1.1	0.77	3	2	2
379	14.9	3979	894	2040	459	2979	670	1224	275	2.1	1.38	1.4	0.96	3	2	2
456	18.0	4634	1042	2040	459	3479	782	1224	275	2.5	1.66	1.7	1.16	5	2	2
533	21.0	5288	1189	2040	459	3980	895	1224	275	2.9	1.94	2.0	1.35	5	2	2
610	24.0	5943	1336	2040	459	4480	1007	1224	275	3.3	2.22	2.3	1.55	5	3	3
686	27.0	6589	1481	2040	459	4974	1118	1224	275	3.7	2.49	2.6	1.74	5	3	3
763	30.0	7243	1628	2040	459	5475	1231	1224	275	4.1	2.77	2.9	1.94	7	3	3
840	33.1	7898	1775	2040	459	5975	1343	1224	275	4.5	3.05	3.2	2.13	7	3	3
917	36.1	8552	1922	2040	459	6476	1456	1224	275	5.0	3.33	3.5	2.33	7	3	3
994	39.1	9207	2070	2040	459	6976	1568	1224	275	5.4	3.61	3.8	2.53	7	3	3
1070	42.1	9853	2215	2040	459	7470	1679	1224	275	5.8	3.89	4.0	2.72	9	4	4
1147	45.2	10507	2362	2040	459	7971	1792	1224	275	6.2	4.17	4.3	2.91	9	4	4

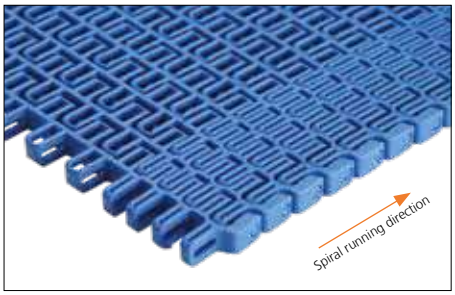
Additional standard belt widths are available in steps of 76.8 mm (3.02 in). Additional non-standard belt widths are available in steps of 25.6 mm (1.01 in).

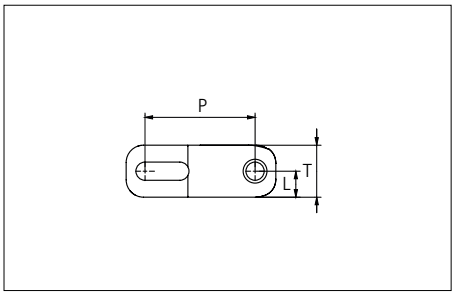
1454	57.2	13117	2949	2040	459	9966	2240	1224	275	7.9	5.29	5.5	3.69	11	10	5

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (223 lbf), PP 550 N (123 lbf).
Belt needs support rollers or flanged rollers at each belt edge for support.
☐ = Single Link

Plastic Modular Belt

Series **uni Flex OSB** Type **60% Open (Radius 2.5/3.0/3.5/4.0)**





Sideflexing belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Open
Surface opening: 60%
Backflex radius: 30.0 mm (1.18 in)
Pin diameter: 4.0 mm (0.16 in)
Min. inside radius:
2.5 / 3.0 / 3.5 / 4.0 x belt width

Recommended Belt material & color	POM-D B
Recommended Pin material & color	PA6.6 B

	mm	in		mm	in
P (Nominal)	25.4	1.00	**T**	12.0	0.47
L	6.0	0.24	**-**	-	-

Other non standard material and color: See uni Material and Color Overview.

Alternative pin and lock systems and materials: Contact Customer Service.

Belt width		Permissible tensile force (Belt/pin material)								Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6			Carry (pcs)	Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections								
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
303	11.9	3333	749	2040	459	2485	559	1224	275	1.6	1.10	1.1	0.77	3	2	2
379	14.9	3979	894	2040	459	2979	670	1224	275	2.1	1.38	1.4	0.96	3	2	2
456	18.0	4634	1042	2040	459	3479	782	1224	275	2.5	1.66	1.7	1.16	5	2	2
533	21.0	5288	1189	2040	459	3980	895	1224	275	2.9	1.94	2.0	1.35	5	2	2
610	24.0	5943	1336	2040	459	4480	1007	1224	275	3.3	2.22	2.3	1.55	5	3	3
686	27.0	6589	1481	2040	459	4974	1118	1224	275	3.7	2.49	2.6	1.74	5	3	3
763	30.0	7243	1628	2040	459	5475	1231	1224	275	4.1	2.77	2.9	1.94	7	3	3
840	33.1	7898	1775	2040	459	5975	1343	1224	275	4.5	3.05	3.2	2.13	7	3	3
917	36.1	8552	1922	2040	459	6476	1456	1224	275	5.0	3.33	3.5	2.33	7	3	3
994	39.1	9207	2070	2040	459	6976	1568	1224	275	5.4	3.61	3.8	2.53	7	3	3
1070	42.1	9853	2215	2040	459	7470	1679	1224	275	5.8	3.89	4.0	2.72	9	4	4
1147	45.2	10507	2362	2040	459	7971	1792	1224	275	6.2	4.17	4.3	2.91	9	4	4

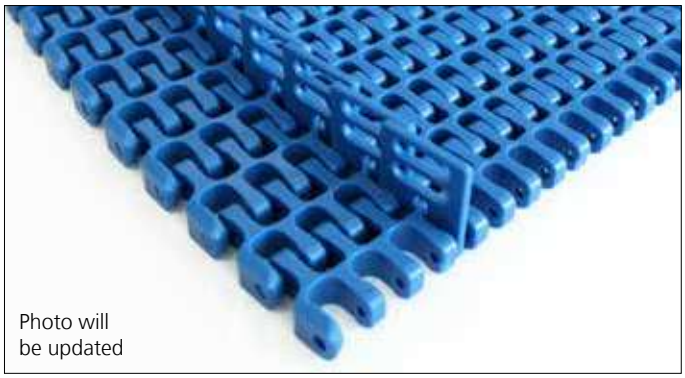
Additional standard belt widths are available in steps of 76.8 mm (3.02 in). Additional non-standard belt widths are available in steps of 25.6 mm (1.01 in).

1454	57.2	13117	2949	2040	459	9966	2240	1224	275	7.9	5.29	5.5	3.69	11	10	5

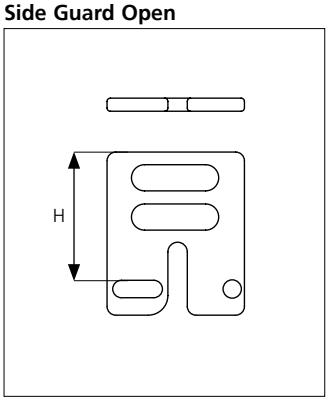
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (223 lbf), PP 550 N (123 lbf).
Belt needs support rollers or flanged rollers at each belt edge for support.
= Single Link

Accessories

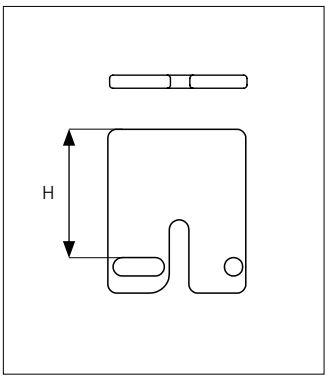
Side Guard



Side Guard Open



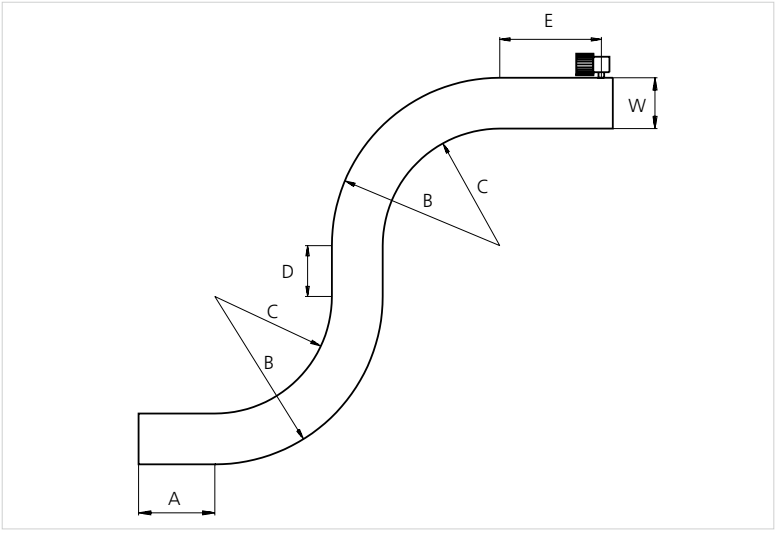
Side Guard Closed



Type	Side Guard Material & color	H	
		mm	in
Side Guard	POM-D B	25.4	1.00
Side Guard Open			

Min. indent for Side Guard: 44.0 mm (1.73 in) and Increment 12.7 mm (0.50 in).
Non Standard material and color: See uni Material and Color Overview.

Design Guidelines

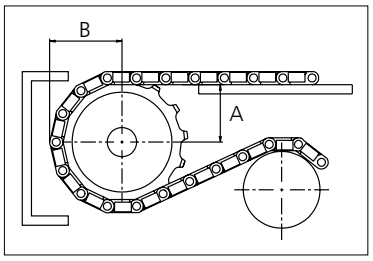


	65% Open Radius 2.2
A	min. 1.5 x W
B	min 3.2 x W
C	min 2.2 x W
D	min 2 x W
E	min 2 x W, min.
W	Belt width

Sprocket

No. of teeth	Bore size									Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	PA6 Machined
	Pilot Bore	in	0.98	**1.00**	1.18	**1.25**	**1.50**	1.57	2.36												
		mm	**25.0**	25.4	**30.0**	31.8	38.1	**40.0**	**60.0**	mm	in	mm	in	mm	in	mm	in	mm	in		
Z09	✓		● ■	● ■	●	●				75.0	2.95	74.3	2.93	57.8	2.28	28.9	1.14	43.1	1.70	✓	✓
Z12	✓		● ■	●	●	●	■			100.0	3.94	98.1	3.86	82.8	3.26	41.4	1.63	55.1	2.17	✓	✓
Z15	✓			●	●	●	■	● ■	■	124.6	4.91	122.2	4.81	107.4	4.23	53.8	2.12	67.1	2.64	✓	✓
Z18	✓				●	●	● ■	● ■	■	149.3	5.88	146.3	5.76	132.1	5.20	66.0	2.60	79.2	3.12	✓	✓

■ **Machined sprocket** ● **Machined sprocket**



Non standard material and color: See uni Material and Color Overview.

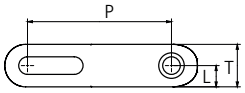
Other sprocket sizes are available upon request
Two-part sprocket are available upon request
Other bore sizes are available upon request
uni Retainer Rings: See uni Retainer Ring data sheet
Width of tooth = 14.0 mm (0.55 in)
Width of sprocket = 30.0 mm (1.18 in)

Max. load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex OSB.
For more detailed sprocket information, contact Customer Service.

Plastic Modular Belt

Series **uni Flex L-OSB** Type **65% Open (Radius 1.6)**



Sideflexing belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Open
Surface opening: 65%
Backflex radius: 65.0 mm (2,56 in)
Pin diameter: 6.0 mm (0.24 in)
Min. inside radius: R1.6 x belt width

Belt material & color	POM-D **B**	PP **B**
Pin and lock material & color	PA6.6 **B**	

	mm	in		mm	in
P (Nominal)	50.8	2.00	**T**	15.0	0.59
L	7.5	0.29	**-**	-	-

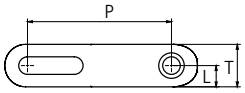
Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock systems and materials: Contact Customer Service.

Belt width		Permissible tensile force (Belt/pin material)								Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections								
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
608	23.9	8579	1929	2500	562	6572	1477	1600	360	3.9	2.63	2.9	1.94	5	5	3
659	25.9	9110	2048	2500	562	6990	1571	1600	360	4.2	2.85	3.1	2.10	5	5	3
710	28.0	9640	2167	2500	562	7408	1665	1600	360	4.6	3.07	3.4	2.26	5	5	3
761	30.0	10171	2286	2500	562	7826	1759	1600	360	4.9	3.29	3.6	2.42	7	6	3
811	31.9	10691	2403	2500	562	8236	1852	1600	360	5.2	3.51	3.8	2.58	7	6	3
862	33.9	11221	2523	2500	562	8655	1946	1600	360	5.6	3.73	4.1	2.75	7	6	3
913	35.9	11751	2642	2500	562	9073	2040	1600	360	5.9	3.95	4.3	2.91	7	7	4
964	38.0	12282	2761	2500	562	9491	2134	1600	360	6.2	4.17	4.6	3.07	7	7	4
1014	39.9	12802	2878	2500	562	9901	2226	1600	360	6.5	4.39	4.8	3.23	7	7	4
1065	41.9	13332	2997	2500	562	10319	2320	1600	360	6.9	4.61	5.0	3.39	9	8	4
1116	43.9	13863	3116	2500	562	10737	2414	1600	360	7.2	4.83	5.3	3.56	9	8	4
1167	45.9	14393	3236	2500	562	11156	2508	1600	360	7.5	5.05	5.5	3.72	9	8	4
1217	47.9	14913	3352	2500	562	11566	2600	1600	360	7.8	5.27	5.8	3.88	9	9	5
1268	49.9	15443	3472	2500	562	11984	2694	1600	360	8.2	5.49	6.0	4.04	9	9	5
1319	51.9	15974	3591	2500	562	12402	2788	1600	360	8.5	5.71	6.3	4.20	9	9	5
1370	53.9	16504	3710	2500	562	12820	2882	1600	360	8.8	5.93	6.5	4.36	11	10	5
1420	55.9	17024	3827	2500	562	13230	2974	1600	360	9.1	6.15	6.7	4.52	11	10	5
1471	57.9	17555	3946	2500	562	13648	3068	1600	360	9.5	6.37	7.0	4.69	11	10	5
1522	59.9	18085	4066	2500	562	14067	3162	1600	360	9.8	6.59	7.2	4.85	11	11	6

Additional non-standard belt widths are available upon request.
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service.
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 550 N (123 lbf).
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); return: 304.0 mm (12.00 in).
Belt needs support rollers or flanged rollers at each belt edge for support.

Plastic Modular Belt

Series **uni Flex L-OSB** Type **65% Open (Radius 2.2)**



Sideflexing belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Open
Surface opening: 65%
Backflex radius: 65.0 mm (2,56 in)
Pin diameter: 6.0 mm (0.24 in)
Min. inside radius: R2.2 x belt width

Belt material & color	POM-D B	PP B
Pin and lock material & color	PA6.6 B	

	mm	in		mm	in
P (Nominal)	50.8	2.00	**T**	15.0	0.59
L	7.5	0.29	**-**	-	-

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock systems and materials: Contact Customer Service.

Belt width		Permissible tensile force (Belt/pin material)								Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6				
		Straight sections		Curve sections		Straight sections		Curve sections							**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
305	12.0	5429	1220	3300	742	4087	919	2080	468	2.0	1.36	1.5	0.99	3	3	2
407	16.0	6490	1459	3300	742	4923	1107	2080	468	2.7	1.82	2.0	1.32	3	3	2
509	20.0	7551	1697	3300	742	5760	1295	2080	468	3.4	2.27	2.5	1.65	5	4	2
610	24.0	8601	1934	3300	742	6588	1481	2080	468	4.1	2.72	2.9	1.98	5	5	3
712	28.0	9662	2172	3300	742	7424	1669	2080	468	4.7	3.18	3.4	2.31	5	5	3
813	32.0	10712	2408	3300	742	8253	1855	2080	468	5.4	3.63	3.9	2.64	7	6	3
915	36.0	11773	2647	3300	742	9089	2043	2080	468	6.1	4.08	4.4	2.97	7	7	4
1016	40.0	12823	2883	3300	742	9917	2229	2080	468	6.7	4.53	4.9	3.30	7	7	4
1118	44.0	13884	3121	3300	742	10754	2417	2080	468	7.4	4.99	5.4	3.63	9	8	4
1219	48.0	14935	3357	3300	742	11582	2604	2080	468	8.1	5.44	5.9	3.96	9	9	5
1321	52.0	15995	3596	3300	742	12418	2792	2080	468	8.8	5.89	6.4	4.29	9	9	5
1422	56.0	17046	3832	3300	742	13246	2978	2080	468	9.4	6.35	6.9	4.62	11	10	5
1524	60.0	18107	4070	3300	742	14083	3166	2080	468	10.1	6.80	7.4	4.95	11	11	6
1626	64.0	19167	4309	3300	742	14919	3354	2080	468	10.8	7.26	7.9	5.28	11	11	6
1727	68.0	20218	4545	3300	742	15747	3540	2080	468	11.5	7.71	8.3	5.61	13	12	6

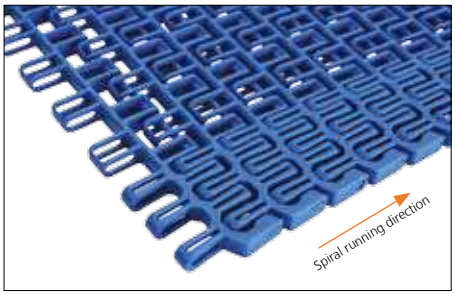
Additional standard belt widths are available in steps of 101.6 mm (4.00 in). Additional non-standard belt widths are available in steps of mm 50.8 (2.00 in).

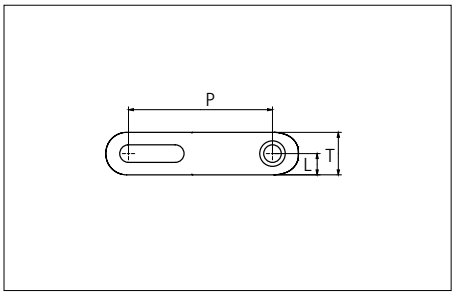
1930	76.0	22329	5020	3300	742	17412	3914	2080	468	12.8	8.61	9.3	6.26	13	13	7

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service.
*Max load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 550 N (123 lbf).
**Max spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).
Belt needs support rollers or flanged rollers at each belt edge for support.
= Single Link

Plastic Modular Belt

Series **uni Flex L-OSB** Type **65% Open (Radius 2.5/3.0/3.5/4.0)**





Sideflexing belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Open
Surface opening: 65%
Backflex radius: 65.0 mm (2,56 in)
Pin diameter: 6.0 mm (0.24 in)
Min. inside radius:
2.5 / 3.0 / 3.5 / 4.0 x belt width

Recommended Belt material & color	POM-D B
Recommended Pin material & color	PA6.6 B

	mm	in		mm	in
P (Nominal)	50.8	2.00	**T**	15.0	0.59
L	7.5	0.29	**-**	-	-

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock systems and materials: Contact Customer Service.

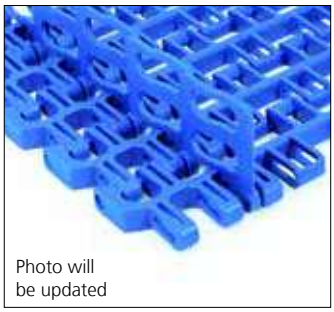
Belt width		Permissible tensile force (Belt/pin material)								Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6			Carry (pcs)	Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections								
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
305	12.0	5429	1220	3300	742	4087	919	2080	468	2.0	1.36	1.5	0.99	3	3	2
407	16.0	6490	1459	3300	742	4923	1107	2080	468	2.7	1.82	2.0	1.32	3	3	2
509	20.0	7551	1697	3300	742	5760	1295	2080	468	3.4	2.27	2.5	1.65	5	4	2
610	24.0	8601	1934	3300	742	6588	1481	2080	468	4.1	2.72	2.9	1.98	5	5	3
712	28.0	9662	2172	3300	742	7424	1669	2080	468	4.7	3.18	3.4	2.31	5	5	3
813	32.0	10712	2408	3300	742	8253	1855	2080	468	5.4	3.63	3.9	2.64	7	6	3
915	36.0	11773	2647	3300	742	9089	2043	2080	468	6.1	4.08	4.4	2.97	7	7	4
1016	40.0	12823	2883	3300	742	9917	2229	2080	468	6.7	4.53	4.9	3.30	7	7	4
1118	44.0	13884	3121	3300	742	10754	2417	2080	468	7.4	4.99	5.4	3.63	9	8	4
1219	48.0	14935	3357	3300	742	11582	2604	2080	468	8.1	5.44	5.9	3.96	9	9	5
1321	52.0	15995	3596	3300	742	12418	2792	2080	468	8.8	5.89	6.4	4.29	9	9	5
1422	56.0	17046	3832	3300	742	13246	2978	2080	468	9.4	6.35	6.9	4.62	11	10	5

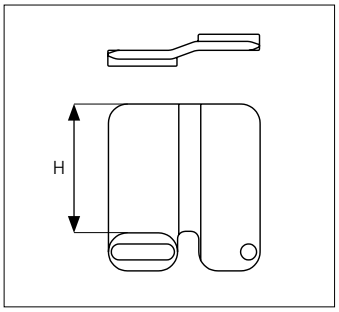
Additional standard belt widths are available in steps of 101.6 mm (4.00 in). Additional non-standard belt widths are available in steps of 50.8 mm (2.00 in).

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 550 N (123 lbf).
Belt needs support rollers or flanged rollers at each belt edge for support.
= Single Link

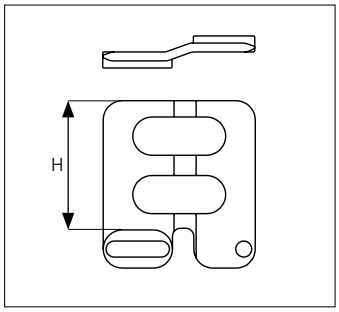
Accessories

Side Guard Closed

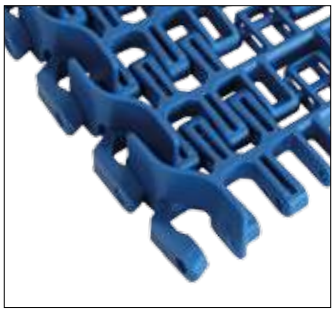


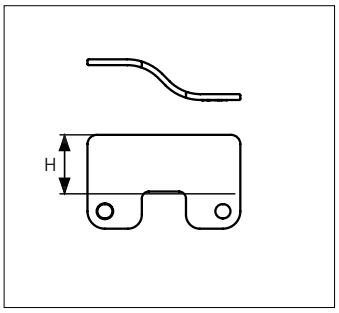


Side Guard Open

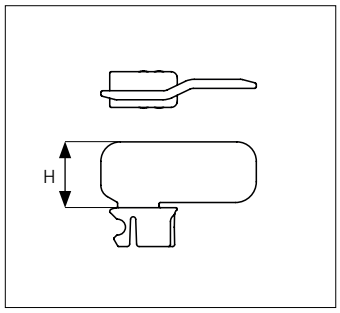


Side Guard Outside Closed





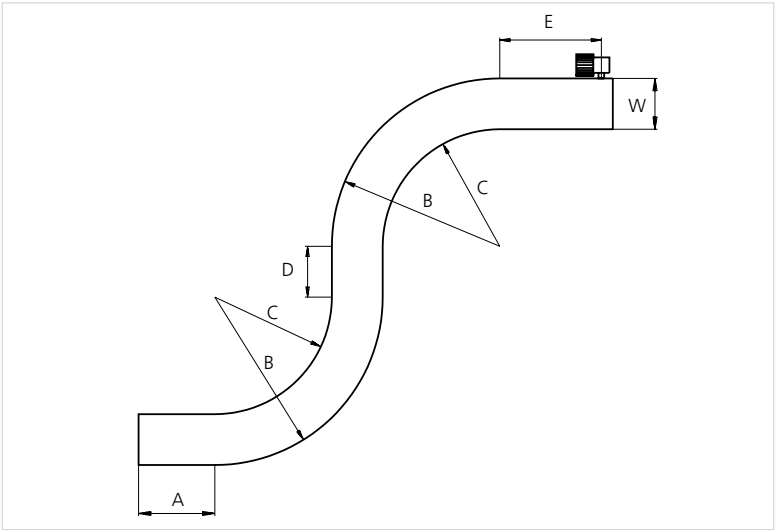
Side Guard Snap-On Closed



Type	Material & color	H	
		mm	in
Side Guard Closed	POM-D B	10.0 25.4 50.0	0.39 1.00 1.97
Side Guard Open		50.0	1.97
Side Guard Outside Closed		25.4	1.00
Side Guard Snap-On Closed		25.4	1.00

Indent for Side Guard Closed and Side Guard Open: 55.0 mm (2.17 in) or 80.0 mm (3.15 in).
Min/max indent for Side Guard Outside Closed: 10.0 mm (0.39 in).
Min indent for Side Guard Snap-On Closed: 175.0 mm (6.89 in) and Increment 50.8 mm (2.00 in).
Non Standard material and color: See uni Material and Color Overview.

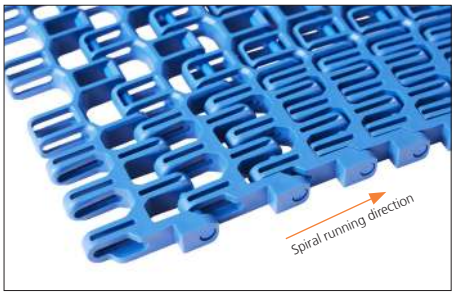
Design Guidelines

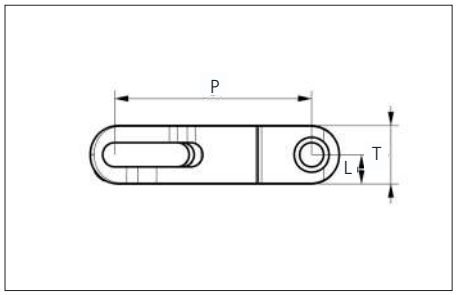


	uni Flex L-OSB 65% Open Radius 2.2
A	min. 1.5 x W
B	min 3.2 x W
C	min 2.2 x W
D	min 2 x W
E	min 2 x W, min.
W	Belt width

Plastic Modular Belt

Series **uni Flex L-OSB Direct Drive** Type **65% Open**





Sideflexing belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Open
Surface opening: 65%
Backflex radius: 65.0 mm (2,56 in)
Pin diameter: 6.0 mm (0.24 in)
The usable collapse factor depends on the belt width

Belt material & color	POM-D **B**
Pin and lock material & color	PA6.6 **B**

	mm	in		mm	in
P (Nominal)	50.8	2.00	**T**	15.0	0.59
L	7.5	0.29	**-**	-	-

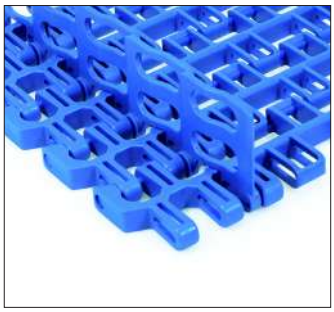
Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock systems and materials: Contact Customer Service.

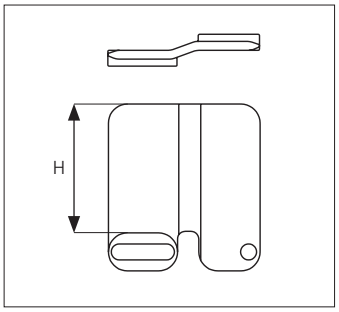
Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)		*Min. no. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				POM-D/PA6.6			Carry (pcs)	Return (pcs)
		Straight sections		Curve sections						
mm	in	N	lbf	N	lbf	kg/m	lb/ft			
608	23.9	8579	1929	2500	562	3.9	2.63	5	3	3
659	25.9	9110	2048	2500	562	4.2	2.85	5	3	3
710	28.0	9640	2167	2500	562	4.6	3.07	5	3	3
761	30.0	10171	2286	2500	562	4.9	3.29	7	3	3
811	31.9	10691	2403	2500	562	5.2	3.51	7	3	3
862	33.9	11221	2523	2500	562	5.6	3.73	7	3	3
913	35.9	11751	2642	2500	562	5.9	3.95	7	3	3
964	38.0	12282	2761	2500	562	6.2	4.17	7	3	3
1014	39.9	12802	2878	2500	562	6.5	4.39	7	3	3
1065	41.9	13332	2997	2500	562	6.9	4.61	9	3	3
1116	43.9	13863	3116	2500	562	7.2	4.83	9	4	4
1167	45.9	14393	3236	2500	562	7.5	5.05	9	4	4
1217	47.9	14913	3352	2500	562	7.8	5.27	9	4	4
1268	49.9	15443	3472	2500	562	8.2	5.49	9	4	4
1319	51.9	15974	3591	2500	562	8.5	5.71	9	4	4
1370	53.9	16504	3710	2500	562	8.8	5.93	11	4	4
1420	55.9	17024	3827	2500	562	9.1	6.15	11	4	4
1471	57.9	17555	3946	2500	562	9.5	6.37	11	4	4
1522	59.9	18085	4066	2500	562	9.8	6.59	11	4	4

Additional non-standard belt widths are available upon request.
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service.
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf).
Belt needs support rollers or flanged rollers at each belt edge for support.

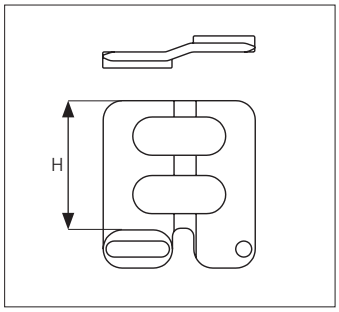
Accessories

Side Guard Closed

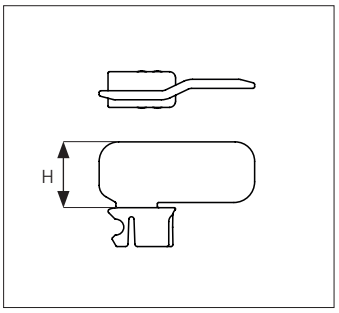




Side Guard Open



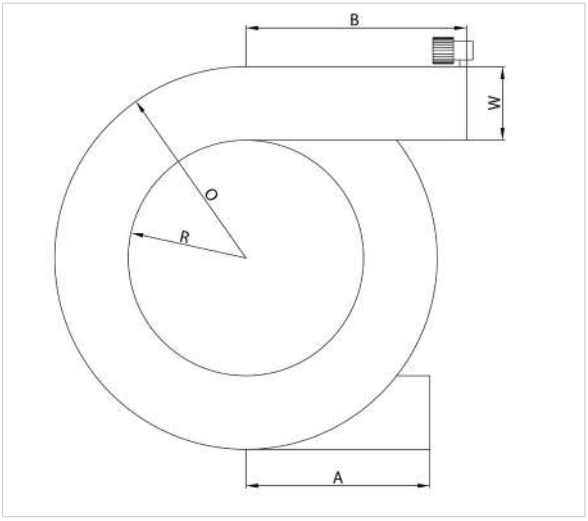
Side Guard Snap-On Closed



Type	Material & color	H	
		mm	in
Side Guard Closed	POM-D B	10.0 25.4 50.0	0.39 1.00 1.97
Side Guard Open		50.0	1.97
Side Guard Snap-On Closed		25.4	1.00

Indent for Side Guard Open: 55.0 mm (2.17 in) or 80.0 mm (3.15 in).
Min indent for Side Guard Snap-On Closed: 175.0 mm (6.89 in) and Increment 50.8 mm (2.00 in).
Non Standard material and color: See uni Material and Color Overview.

Design Guidelines



uni Flex L-OSB Direct Drive 65% Open Radius	
A	min. 1.5 x W
B	min 2.0 x W
R	R = Collapse Factor x W
O	O = R + W
W	Belt width

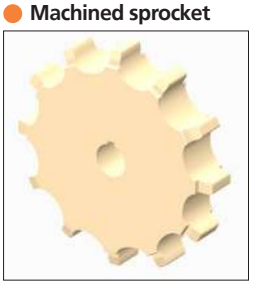
Belt width		Min. drum diameter		Min. Collapse Factor
mm	in	mm	in	
608	23.9	1946	76.6	1.60
659	25.9	2109	83.0	1.60
710	28.0	2272	89.4	1.60
761	30.0	2510	98.8	1.65
811	31.9	2676	105.4	1.65
862	33.9	2845	112.0	1.65
913	35.9	3104	122.2	1.70
964	38.0	3278	129.1	1.70
1014	39.9	3448	135.7	1.70
1065	41.9	3621	142.7	1.70
1116	43.9	3794	149.4	1.70
1167	45.9	3968	156.2	1.70
1217	47.9	4138	162.9	1.70
1268	49.9	4311	169.7	1.70
1319	51.9	4748	186.9	1.80
1370	53.9	4932	194.2	1.80
1420	55.9	5112	201.3	1.80
1471	57.9	5296	208.5	1.80
1522	59.9	5480	215.7	1.80

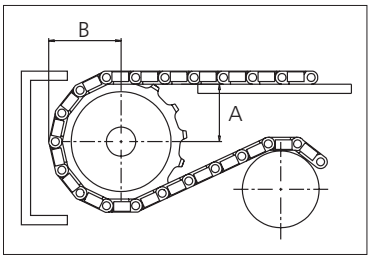
Sprocket

No. of teeth	Bore size								Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	PA6 Machined
	Pilot Bore	in	1.00	1.18	1.25	1.50	1.57	2.50												
		mm	25.4	30.0	31.8	38.1	40.0	63.5	mm	in	mm	in	mm	in	mm	in	mm	in		
Z08	✓		● ■	●			● ■		134.6	5.30	131.5	5.18	107.6	4.23	54.4	2.15	74.9	2.95	✓	✓
Z10	✓		● ■	●	●		● ■		168.3	6.63	164.0	6.46	141.3	5.56	71.4	2.81	90.8	3.57	✓	✓
Z12	✓		●		●	● ■	● ■	■	203.5	8.01	196.5	7.74	176.5	6.94	88.2	3.47	106.8	4.20	✓	✓
Z15	✓		●		●	● ■	● ■	■	253.4	9.98	245.4	9.66	226.4	8.91	113.2	4.46	131.0	5.16	✓	✓

■ Machined sprocket ● Machined sprocket

Non standard material and color: See uni Material and Color Overview.

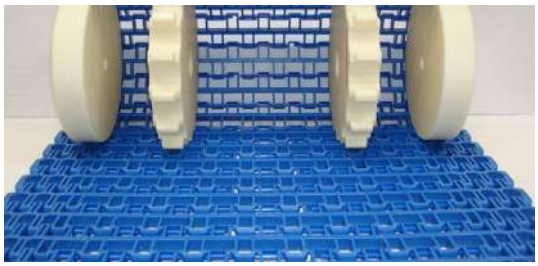




Other sprocket sizes are available upon request
Two-part sprocket are available upon request
Other bore sizes are available upon request
uni Retainer Rings: See uni Retainer Ring data sheet
Width of tooth = 30.0 mm (1.18 in)
Width of sprocket = 40.0 mm (1.57 in)

Max. load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex L-OSB Direct Drive.
Due to belt construction sprocket positioning close to belt edge is not possible, use rollers to support belt edges.

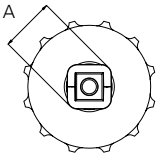


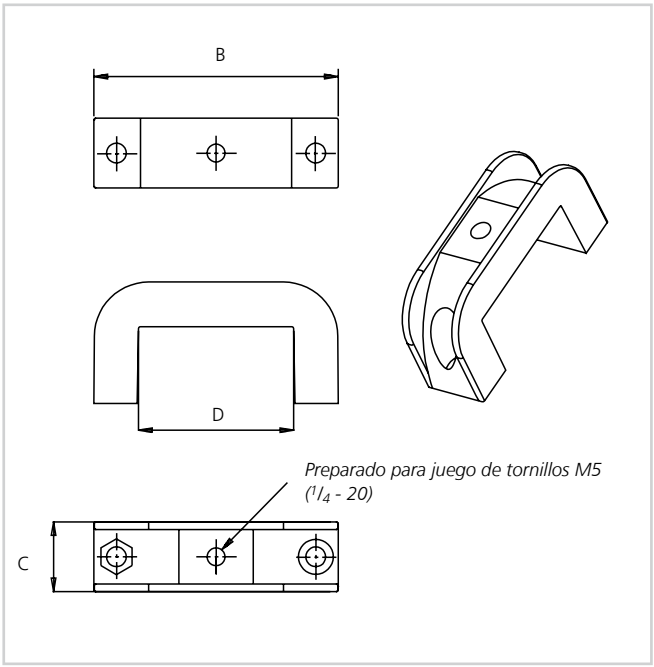
Accesorios | Arandelas de fijación

Arandelas de Fijación uni™

Arandelas de Fijación uni™

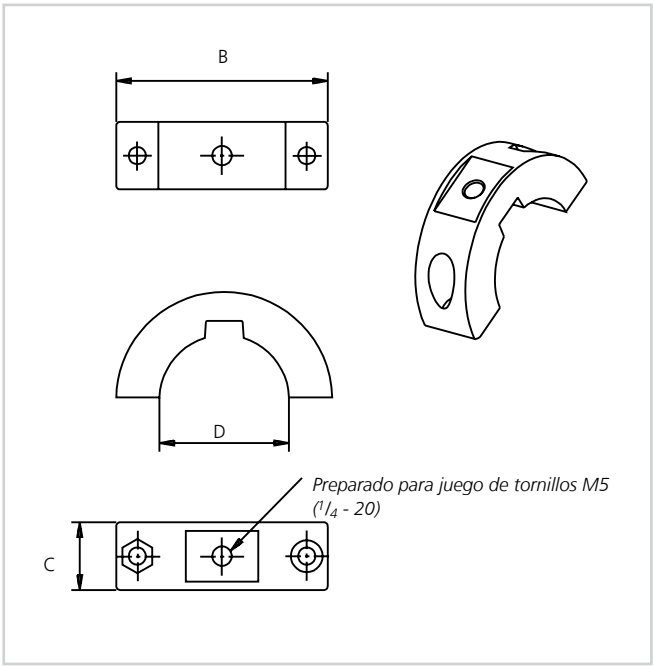
Dimensiones





Arandelas de fijación uni™ D	B		C		A*	
	mm	pulgadas	mm	pulgadas	mm	pulgadas
ø20	39	1.5	14	0.6	ø39	ø1.5
ø25	44	1.7	14	0.6	ø44	ø1.7
ø30	50	2.0	16	0.6	ø50	ø2.0
ø40	63	2.5	18	0.7	ø63	ø2.5
ø50	75	3.0	18	0.7	ø75	ø3.0
■40 x 40 mm	63	2.5	18	0.7	ø80	ø3.1
■50 x 50 mm	80	3.1	18	0.7	ø103	ø4.1
■60 x 60 mm	95	3.7	18	0.7	ø124	ø4.9
ø1”	44	1.7	14	0.6	ø44	ø1.7
ø1.5”	63	2.5	18	0.7	ø63	ø2.5
ø2”	75	3.0	18	0.7	ø75	ø3.0
■1" x 1"	44	1.7	14	0.6	ø52	ø2.0
■1.5" x 1.5"	63	2.5	18	0.7	ø80	ø3.1
■2.5” x 2.5”	95	3.7	18	0.7	ø124	ø4.9

** Utilícense ruedas de tamaños que aseguren que la banda o la cadena no entrará en contacto con las arandelas de fijación uni™*



Arandelas de fijación uni™	Referencia uni n.º	
	juego de 4 unidades	juego de 20 unidades
ø20	95PA6RD20MMB4	95PA6RD20MMB20
ø25	95PA6RD25MMB4	95PA6RD25MMB20
ø30	95PA6RD30MMB4	95PA6RD30MMB20
ø40	95PA6RD40MMB4	95PA6RD40MMB20
ø50	95PA6RD50MMB4	95PA6RD50MMB20
■40 x 40 mm	95PA6SQ40MMB4	95PA6SQ40MMB20
■50 x 50 mm	95PA6SQ50MMB4	95PA6SQ50MMB20
■60 x 60 mm	95PA6SQ60MMB4	95PA6SQ60MMB20
ø1”	95PA6RD10INCHB4	95PA6RD10INCHB20
ø1.5”	95PA6RD15INCHB4	95PA6RD15INCHB20
ø2”	95PA6RD20INCHB4	95PA6RD20INCHB20
■1” x 1”	95PA6SQ10INCHB4	95PA6SQ10INCHB20
■1.5” x 1.5”	95PA6SQ15INCHB4	95PA6SQ15INCHB20
■2.5” x 2.5”	95PA6SQ25INCHB4	95PA6SQ25INCHB20

** Juego de 4 unidades = 4 Arandelas de fijación uni completas (8 medias arandelas, 8 tornillos y 8 tuercas).*

Material y color estándar

PA6-GF **B**

EN

Materiales y Colores

Colors and Materials

LB	Light Blue	Y	Yello	G	Grey
B	Blue	O	Orange	DG	Dark Grey
DB	Dark Blue	BR	Brown	EG	Extra Grey
P	Purple	T	Tan	K	Black
D	Red	I	Ivory	N	Natural
DD	Dark Red	W	White		
DE	Dark Green	LG	Light Grey		

Material	Density g/cm³	Color	Description
POM	1.41		POM is a thermoplastic material with very good mechanical and thermal properties. The material can also be characterized by great strength, stiffness and dimensional stability. POM is resistant to a wide selection of chemicals. POM has good bearing qualities, low coefficient of friction and good resistance to wear.
POM-D	1.41	B P D DE Y O BR T W LG G DG K N	POM polymers with self-lubricating components.
POM-DI	1.41	B P D DE Y O BR T W LG G DG K N	POM polymers with self-lubricating components and improved impact resistance.
POM-DK	1.41	O K Y B	POM-DK is a reinforced POM polymer designed for applications where high wear resistance is needed and/or high conveyor speeds are required. The material is typically used for wear parts on sideflexing belts or in applications where very high wear resistance is required.
POM-LF	1.41	B P D DE Y O BR T W LG G DG K N	POM polymers with improved self-lubricating components.
POM-SLF	1.41	B P D DE Y O BR T W LG G DG K N	POM polymers with self-lubricating additives to obtain the lowest possible coefficient of friction.
POM-NL	1.41	B P D DE Y O BR T W LG G DG K N	POM polymers with no lubricant suitable for applications where one wants to ensure that lubricity is not interferring with either the product adhesion bonding or alterring the chemical nature of the product.

Material	Density g/cm³	Color	Description
POM-DAS	1.40	B Y O LG G K	Antistatic POM with self-lubricating components is used in applications where you want to avoid build-up of the surface static electricity. POM-DAS is normally used for manrider belts avoid to discomfort due to static electricity; it can also be used in applications where sticking of products must be avoid. Eg. products wrapped in plastic foil.
POM-NLAS	1.41	B Y O LG G K	A non-lubricated antistatic POM, used in applications where static electricity must be avoid, due to human comfort, but where lubricants must be avoid, due to specific processes.
POM-S	1.39	B P D DE Y O BR T W LG G DG K N	POM polymers that contain low noise components, mainly used for the new uni Snap Link® without pins.
POM-SI	1.40	B P D DE Y O BR T W LG G DG K N	High impact-resistant POM polymers that contain low noise components, mainly used for the new uni Snap Link® without pins.
POM-SX	1.44	B W	POM polymers with self-lubricating components. POM-SX will be the right solution where lower friction, higher load and lower noise (compared to standard POM) are required. POM-SX will mainly be used for high load capacity uni Snap Link® without pins. *Please note that POM-SX blue is not according to the standard color quality for blue. Small variations may occur.*
POM-EC	1.39	K	Electrically conductive POM is normally used in explosive areas where sparks and static must be avoided, such as areas with filling aerosol, camping gas, or the like. uni-chains standard EC holds a surface resistivity ≤ 1 x 10^6 Ohm according to IEC 60093/ASTM D257.
POM-MD	1.47	B D	POM-MD is a metal detectable polyoxymethylene, which mainly are used for belts to increase food safety. Possible belt breakages might lead to product contamination, which can be detected by use of this material.
POM-XRD	1.75	D N	POM-XRD is an X-ray detectable polyoxymethylene, which mainly are used in belts to increase food safety. Possible belt breakages might lead to product contamination, which can be detected by use of this material. POM-XRD is especially suitable for products were the food packaging is metalliferous, like tinfoil and metal lids.

Material	Density g/cm³	Color	Description
PP	0.91	B P D DE Y O T W LG G K N	Polypropylene is a thermoplastic material with very good chemical resistance properties. PP is an economical material for applications with high temperatures.
PP-I	0.91	B P D DE Y O T W LG G K N	Polypropylene with improved impact resistance and improved properties at low temperatures. Use of PP-I in hot water should be avoided.
PP-MI	0.97	DB DD	PP-MI is a metal detectable polypropylene, which mainly are used for belts to increase food safety. Possible belt breakages might lead to product contamination, which then can be detected by use of this material.
PP-HW	0.90	LB B W	PP-HW is a polypropylene which contains additives that reduce decomposition of olefinic material over time due to oxidization caused by metal ions in hot water applications like blanchers and cookers.
PP-AR	1.14	B W LG K N	A glass filled homopolymer that is an acid resistant material which is used where very high chemical resistance is required.
PP-FREC	1.22	K	PP-FREC is a polypropylene based compound with both flame retardant and electrically conductive properties. The material holds a surface resistivity of 1 x 103 Ohm according to IEC60093/ASTM D257 and it is V0 rated according to UL94 at 3.2 mm.

Material	Density g/cm³	Color	Description
PE	0.96	B P D DE Y O T W G K N	Polyethylene is used in low temperature applications and where high impact resistance is required.
PE-I	0.95	B P D DE Y O T W G K N	Polyethylene with improved impact resistance.
PE-MI	1.02	DB	PE-MI is a metal detectable polyethylene, which mainly are used in belts to increase food safety. Possible belt breakages might lead to product contamination, which can be detected by use of this material.

Material	Density g/cm³	Color	Description
PBT	1.31	LG N	PBT is a polybutylene terephthalate material. This material has good friction and wear properties as well as excellent hardness and stiffness.
PBT-GR	1.45	K N	Glass reinforced polyester is a material with an extremely high resistance to wear and heat.

Material	Density g/cm³	Color	Description
PA6-FR	1.16	N	Flame retardant polyamide is a fire restricting material used in surroundings where there is a danger of the chain being ignited. The PA6-FR material is rated as V-0 which is the best classification according to UL 94 standard to avoid burning.
PA6	1.13	B D O T W LG K N	Polyamide PA6 is a thermoplastic material. The combination of mechanical properties and chemical resistance makes this material suitable for many applications. Polyamide has a high resistance to wear and dynamic loads. This material is primarily used for sprockets.
PA6-GF	1.28	B K	This polyamide is reinforced with glass fiber. PA6-GF will be the right solution where higher stiffness and higher strength are required, compared to standard polyamide. The combination of mechanical properties and chemical resistance makes this material suitable for many applications. Polyamide has a high resistance to wear and dynamic loads. Polyamide also has a larger working temperature range.
PA6.6	1.13	B D O G DG W K N	Polyamide PA6.6 is a thermoplastic material with many fine properties. The material has a high resistance to wear, high strength and great stiffness. Furthermore, polyamide has a wide temperature range.
PA6.6-H	1.14	B D W N	PA6.6-H is a polyamide with the same properties as PA6.6. PA6.6-H improves upon PA6.6 in applications where higher temperature resistance is needed (e.g. shrink tunnels).
PA6.6-GFH	1.35	B O K	PA6.6-GFH is a special heat-stabilized polyamid PA6.6 with glass fiber reinforcement. The base material is still the PA6.6 with its important properties, as high strength and great stiffness. The base material has a high resistance to wear, and the glass fiber contributes to increase these properties. The unique PA6.6-GFH is heat resistant, and thus especially suitable for applications that are exposed to strong heat for extended time periods. *Note: PA materials will absorb water in wet environments which will cause expansion of the dimension with approx. 1-2%, depending on the temperature level and the humidity of the air. This is valid for all polyamide variations.*

Material	Density g/cm³	Color	Description
PVDF	1.78	N	Polyvinylidenfluoride is characterized by an especially high chemical resistance. Furthermore, PVDF has high wear resistance and good friction properties.

Material	Density g/cm³	Color	Description
PC	1.20	N	Polycarbonate is characterized by being extremely impact resistant, even at low temperatures. The natural colour of PC is grey.

Material	Density g/cm³	Color	Description
POX-FREC	1.34	K	POX-FREC is a relatively strong material with both flame retardant and electrically conductive properties. The material holds a surface resistivity of 1 x 10^3 Ohm according to IEC60093/ASTM D257 and it is V0 rated according to UL94 at 3 mm. Several products made of POX-FREC are B1 fire rated according to DIN 4102.
POX-FR	1.15	B D O W EG K	POX-FR is flame retardant material with high strength and very good wear resistance. The POX-FR material is B1 fire rated according to DIN 4102, for some products.

Material	Density g/cm³	Color	Description
NBWR	1.22	B Y W K	NBWR is material with extremely high impact strength and very good wear resistance. The material is resistant towards UV light and ozone cracking, which makes it suitable for outdoor applications. NBWR is a very good noise-absorbing material as well.

UV-additives	Description
UV-A/B	The UV-A/B stabilizer is an additive recommended for plastic materials used for outdoor applications. The UV-A/B stabilizer is able to protect materials against direct sunlight, is FDA approved and will increase the lifetime of plastic materials. The UV-A/B stabilizer is available for the most common materials such as POM, PP and PE.
UV-C	This UV-C stabilizer is specially developed for applications that are exposed to UV-C light. The special UV-C lights are used in the meat industry, where UV-C light is served to kill bacteria and microbes. The UV-C stabilizer holds an FDA approval and will increase the lifetime of the plastic material. This solution is only available in combination with POM material.

Expansion due to water absorption

All plastic materials absorb water from the surroundings, but very often it is not a major factor, except when dealing with Nylon (PA) material. With Nylon there can be a considerable change in dimension depending on the environment where the part is placed. The absorption of water causes the plastic part to swell and thus leads to a volume increase. The chart below shows the dimensional expansion of different materials due to moisture absorption (ISO 62 / ASTM D570 is based on changes in mass).

Code	Water Absorption ISO 62 / ASTM D570		Linear Dimensional Expansion Water Absorption	
	Equilibrium 23°C / 50% RH (%)	Saturation 23°C (%)	Equilibrium 23°C / 50% RH (%)	Saturation 23°C (%)
PP	0.02	0.03	0.01	0.01
PE	0.02	0.03	0.01	0.01
POM	0.22	0.8	0.1	0.37
PA6	2.8	8 – 10	1.05	3 – 3.8
PA6.6	2.5	7 – 8.5	0.95	2.7 – 3.2
PA6.6-GFH	2.0	6.0	0.8	2.36
PBT	0.2	0.5	0.09	0.22
PBT-GR	0.15	0.4	0.07	0.19
NBWR	0.2	0.6	0.08	0.24

Please note that the expansion shown above does not necessarily translate into belt/chain dimensions as there are many other factors involved.

Expansion due to temperature

Coefficient of linear thermal expansion between 23 and 55 °C		
Material	$\frac{mm}{(m \times °C)}$	$\frac{in}{(ft \times °F)}$
POM	0.12	0.0008
PP	0.13	0.0009
PE	0.18	0.0012
PA6/PA6.6	0.11	0.0007
PBT	0.11	0.0007

$\Delta L = L \times e_c \times (T2 - T1)$

ΔL: Length/width expansion, mm (in)
L: Length/width of belt at temperature T1, m (ft)
T2: Working temperature, °C (°F)
T1: Start temperature, 23°C (73.4°F)
e_c: Coefficient of linear thermal expansion. See table above.

Friction

Values provided in the tables below are dynamic coefficient of friction under clean conditions. Values will normally be 0.1 to 0.2 higher at the starting moment.

Material	PE Dry	PE Wet	Lubricated PE Dry	Lubricated PA Dry	Stainless steel Dry	Stainless steel Wet
POM-NL	0.20	0.15	0.12	0.22	0.25	0.21
POM-D	0.19	0.14	0.12	0.21	0.24	0.20
POM-LF	0.18	0.13	0.12	0.20	0.23	0.19
POM-SLF	0.17	0.12	0.12	0.19	0.22	0.18
POM-SX	0.15	0.10	0.11	0.17	0.20	0.16
PP	0.25	0.20	0.15	0.28	0.30	0.27
PP-AR	0.26	0.22	0.18	0.28	0.32	0.27
PE	0.25	0.20	0.15	0.22	0.25	0.20
PA6/6.6	0.20	n/a	0.15	0.22	0.30	n/a
PA6.6-GFH	0.26	n/a	0.18	0.24	0.30	n/a

Compounds and Polymer Materials

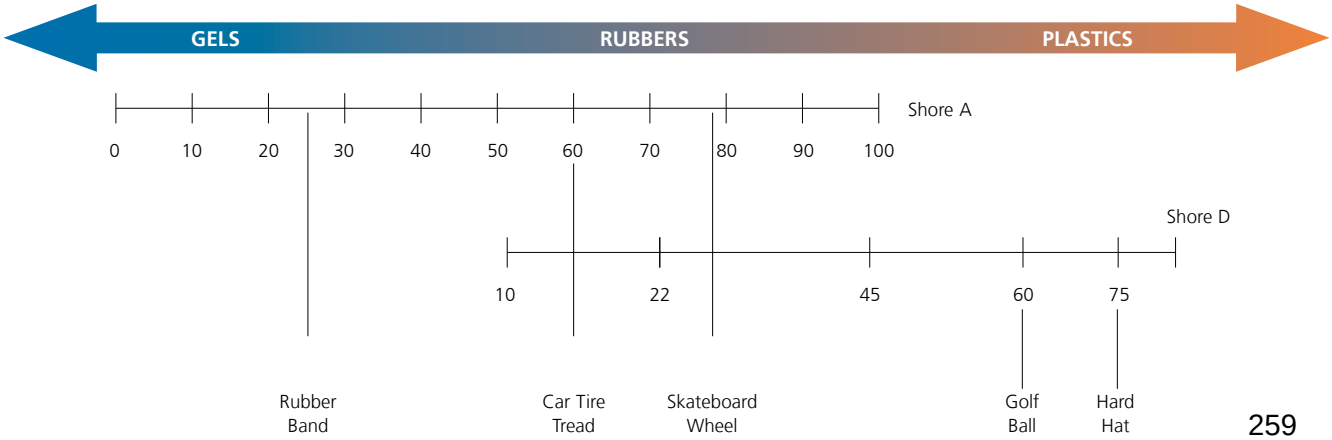
Polymers and compounds	Temperature range in atmospheric air		Load index[1]	Food Grade[5]
	°C	°F		
POM – Polyoxymethylene (D, DI, LF, LFI, SLF, SLFI, S, SI, SX and NL)	-40 to 90	-40 to 194	100	✓
POM DK – Wear-resistant polyoxymethylen	-40 to 90	-40 to 194	100	-
POM DAS and NLAS – Antistatic polyoxymethylene	-40 to 90	-40 to 194	100	-
POM EC – Electrically conductive polyoxymethylene	-40 to 90	-40 to 194	60	-
POM MD – Metal detectable polyoxymethylene	-40 to 90	-40 to 194	100	✓
POM XRD – X-ray detectable polyoxymethylene	-40 to 90	-40 to 194	100	✓
PP – Polypropylene[2] [3]	1 to 104	34 to 219	50	✓
PPI – Impact-resistant polypropylene	-10 to 80	14 to 176	40	✓
PPMI – Metal-detectable polypropylene	-10 to 80	14 to 176	35	✓
PPHW – Hot water polypropylene	1 to 104	34 to 219	50	✓
PP AR – Acid resistance and glass-filled polypropylene	1 to 104	34 to 219	50	-
PP-FREC – Flame retardant and electrical conductive polypropylene	1 to 104	34 to 176	30	-
PE – Polyethylene	-50 to 80	-58 to 176	40	✓
PE I – High impact resistant polyethylene	-50 to 80	-58 to 176	30	✓
PEMI – Metal-detectable polyethylene	-50 to 80	-58 to 176	30	✓
PBT – Polyester[4]	-40 to 100	-40 to 212	-	✓
PBT GR – Glass-reinforced polyester[4]	-40 to 125	-40 to 257	70	-
PA6 – Polyamide	-40 to 120	-40 to 248	100	✓
PA6 GF – Glass-filled polyamide	-40 to 120	-40 to 248	100	-
PA6.6 – Polyamide	-40 to 140	-40 to 284	100	✓
PA6.6 H – Heat-stabilized polyamide	-40 to 160	-40 to 320	100	-
PA6.6 GFH – Glass-filled and heat-stabilized polyamide	-40 to 180	-40 to 356	100	✓
PA FR – Flame-retardant polyamide	-40 to 120	-40 to 248	90	-
PVDF – Polyvinylidenfluoride	-40 to 100	-40 to 212	100	✓
PC – Polycarbonate	-20 to 130	-4 to 266	50	-
POX-FREC – Flame retardant and electrically conductive material	-30 to 110	-40 to 230	65	-
POX-FR – Flame retardant material	-40 to 125	-40 to 257	100	✓
NBWR – High impact and wear-resistance material	-30 to 80	-22 to 176	30	✓

[1] The load indexation values are only indicative, the geometry of the items will also have an effect. Load index is for 23°C 50%RH.
[2] Avoid impact below 8°C (46.4°F)
[3] Dry. In wet hot applications use PPHW
[4] Max. temperature in water 60°C (140°F)
[5] Not all colors are tested according to EC1935

Elastomer Materials

Code	Type	Color	Density g/cm³	Hardness		Temperature Range		FDA	Attachment to Base Link
				Shore A	Shore D	°C	°F		
00K	TPE-O	Black	0.97	55	-	-40 to 100	-40 to 212	-	Mechanical
01N	TPE-V	Natural	0.93	64	-	-40 to 125	-40 to 257	✓	Mechanical
01K	TPE-V	Black	0.93	64	-	-40 to 125	-40 to 257	✓	Mechanical
03N	TPE-S	Natural	1.19	60	-	-40 to 80	-40 to 176	✓	Co-molding
03K	TPE-S	Black	1.19	60	-	-40 to 80	-40 to 176	✓	Co-molding
03W	TPE-S	Black	1.19	60	-	-40 to 80	-40 to 176	✓	Co-molding
03B	TPE-S	Blue	1.19	60	-	-40 to 80	-40 to 176	✓	Co-molding
04N	TPE-A	Natural	1.00	-	25	-40 to 80	-40 to 176	-	Mechanical
04K	TPE-A	Black	1.00	-	25	-40 to 80	-40 to 176	-	Mechanical
04W	TPE-A	White	1.00	-	25	-40 to 80	-40 to 176	-	Mechanical
05I	TPE-U	Ivory	1.19	85	-	-40 to 80	-40 to 176	✓	Mechanical
05K	TPE-U	Black	1.19	85	-	-40 to 80	-40 to 176	✓	Mechanical
06N	TPE-O	Natural	0.94	-	40	-40 to 70	-40 to 158	-	Mechanical
06K	TPE-O	Black	0.94	-	40	-40 to 70	-40 to 158	-	Mechanical
09N	TPE-V	Black	0.97	55	-	-40 to 125	-40 to 257	-	Mechanical
09K	TPE-V	Black	0.97	55	-	-40 to 125	-40 to 257	-	Mechanical
10W	TPE-U	White	1.22	-	60	-30 to 80	-22 to 176	✓	Mechanical
10K	TPE-U	Black	1.22	-	60	-30 to 80	-22 to 176	✓	Mechanical
10B	TPE-U	Blue	1.22	-	60	-30 to 80	-22 to 176	✓	Mechanical
11N	TPE-S	Natural	1.10	30	-	-40 to 80	-40 to 176	✓	Co-molding
11K	TPE-S	Black	1.10	30	-	-40 to 80	-40 to 176	✓	Co-molding
11B	TPE-S	Blue	1.10	30	-	-40 to 80	-40 to 176	✓	Co-molding
12K	TPE-S FR [1)]	Black	1.12	60	-	-40 to 104	-40 to 219	-	Co-molding
13N	TPE-U	Transparent	1.07	75	-	-30 to 70	-22 to 158	✓	Mechanical
13B	TPE-U	Blue	1.07	75	-	-30 to 70	-22 to 158	✓	Mechanical
21N	TPE-S	Natural	1.13	86	-	-40 to 104	-40 to 219	✓	Co-molding
21K	TPE-S	Black	1.13	86	-	-40 to 104	-40 to 219	✓	Co-molding
21G	TPE-S	Black	1.13	86	-	-40 to 104	-40 to 219	✓	Co-molding

[1)] FR = Flame Retardant



Steels and cast Iron

Werkstoff no.	AISI or DIN	Steel type	Magnetic	Recommended Temperature Range		FDA / EC1935	Stainless sustainability
				˚C	˚F		
1.4305	303	Stainless Austenitic	N*	-70 to 420	-95 to 790	Y	++
1.4301	304	Stainless Austenitic	N*	-70 to 420	-95 to 790	Y	++
1.4404	316	Stainless Austenitic	N*	-70 to 420	-95 to 790	Y	+++
1.4021	420	Stainless Martensitic	Y	-70 to 420	-95 to 790	Y	+
1.4016	430	Stainless Ferritic	Y	-70 to 420	-95 to 790	N	++
1.0503	1045	Hardened Carbon Steel	Y	-70 to 500	-95 to 930	N	-
1.0122	St37-2	Carbon Steel	Y	-70 to 500	-95 to 930	N	-
1.0570	St52-3	Carbon Steel	Y	-70 to 500	-95 to 930	N	-
0.6025	GG-25	Cast Iron	Y	-20 to 250	-4 to 480	N	-

* Machined items can be weak magnetic (AISI 316 will remain almost nonmagnetic in many cases).

Composition (Weight %)

Werkstoff no.	AISI or DIN	Steel type	Max/min	C Carbon	Cr Chromium	Ni Nickel	Mo Molybdenum	Mn Manganese	P Phosphor	S Sulphur	N Nitrogen	Si Silicone	Cu Copper
1.4305	303	Stainless Austenitic	min	-	17	8	-	-	-	0.15	-	-	-
			max	0.1	19	10	-	2	0.045	0.35	0.1	1	1
1.4301	304	Stainless Austenitic	min	-	17	8	-	-	-	-	-	-	-
			max	0.07	19.5	10.5	-	2	0.045	0.015	0.1	1	-
1.4404	316	Stainless Austenitic	min	-	16.5	10	2	-	-	-	-	-	-
			max	0.07	18.5	13	2.5	2	0.045	0.015	0.1	1	-
1.4021	420	Stainless Martensitic	min	0.16	12	-	-	-	-	-	-	-	-
			max	0.25	14	-	-	1.5	0.04	0.015	-	1	-
1.4016	430	Stainless Ferritic	min	-	16	-	-	-	-	-	-	-	-
			max	0.08	18	-	-	1	0.04	0.015	-	1	-
1.0503	1045	Hardened Carbon Steel	min	0.42	-	-	-	0.5	-	-	-	-	-
			max	0.5	0.4	0.4	0.1	0.8	0.045	0.045	-	0.045	-
1.0122	St37-2	Carbon Steel	min	-	-	-	-	-	-	-	-	-	-
			max	0.17	-	-	-	1.4	0.045	0.045	0.009	-	-
1.0570	St52-3	Carbon Steel	min	-	-	-	-	-	-	-	-	-	-
			max	0.2	-	0.3	0.08	1.6	0.035	0.035	-	0.5	-
0.6025	GG-25	Cast Iron	min	3.0	-	-	-	0.5	0.5	-	-	1.5	-
			max	3.5	-	-	-	1	0.7	0.15	-	2.5	-

C: Carbon is a harmful component in all non-martensitic stainless steels, is should be kept as low as possible. For martensitic steels that are hardened, high carbon content will give a high surface hardness.

Cr: Chromium will together with the surrounding oxygen, create the invisible passive layer, which is the hallmark for stainless steels. It also adds to the yield strength and heat resistance, so in general will high chromium content give a better corrosion and heat resistance, plus higher yield strength.

Ni: Nickel toughens the steel and increase the resistance against stress corrosion cracking.

Mo: Molybdenum increases the corrosive resistance, especially in environments with low pH values. Furthermore is it a contributor to the passive layer, even better than chromium.

Mn: Manganese is in most cases a pollutant, but for some steels it is used as a cheap replacement for nickel.

P: Phosphor is an unwanted contaminant with negative effects regarding corrosion resistance, hence is should be kept as low as possible.

S: Sulphur is definitely unwanted with respects to the corrosion resistance; it can bond with manganese and form manganese sulfide (MnS), which is very corrosive. But MnS will make the steel short-chipped and give it better machine processing properties. E.g. is AISI 303 much easier to machine than AISI 304, but it is not near as corrosion resistant.

N: Nitrogen is a high valuable element regarding corrosion resistance; even in very low quantities it has significant positive effects. The adding of nitrogen in the steel manufacturing is a very difficult process.

Si: Silicone is like manganese a pollutant in most cases; it does not have any greater effect on the corrosive characteristics.

Cu: Copper is an element, which will increase the corrosion resistance in anaerobic and acidic environments.

Pitting corrosion is the most common type of corrosion in application where Ammeraal Beltech Modular's products will be present. Based on an empirical equation can the corrosion resistance be determined by the PREN (Pitting Resistance Equivalent Number) – The higher PREN, the better corrosion resistance.

PREN = 1 x %Cr + 3.3 x %Mo + 16 x %N

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Advertencias

Fuego
Los productos plásticos uni-chains están fabricados, salvo que se especifique claramente, con materiales combustibles. Los productos fabricados en material POM (D, I, LF y SLF), emiten humos tóxicos si se exponen a la llama. Los productos plásticos uni-chains no deben, por lo tanto, exponerse a temperaturas extremas o a la llama. Debe tenerse un cuidado especial durante las reparaciones, sobre todo soldaduras en transportadores equipados con cadenas o bandas de plástico.

Protección personal
Emplee siempre gafas de protección al montar o reparar cadenas y bandas y al colocar y desmontar pasadores. Utilice sólo herramientas adecuadas y en buenas condiciones. El peso de algunos productos aconseja la utilización de calzado de seguridad. Durante el montaje/desmontaje, reparación de cadenas o bandas en un transportador, el motor debe estar apagado.

Guías de seguridad en el diseño
La mayoría de productos plásticos pierden propiedades mecánicas al exponerlos al sol o a los rayos ultravioletas, lo que puede provocar roturas de cadena o banda. Esto también puede ocurrir si los productos se someten a la acción de agentes químicos fuertes. Generalmente, esto constituye un problema con un pH inferior a 4.5 o superior a 9. Asegúrese siempre de que el transportador tiene el margen suficiente para permitir la contracción/expansión de cadenas y bandas sometidas a variaciones de temperatura. No exceda nunca las temperaturas máximas o mínimas proporcionadas por uni chains.

Nota: Diferentes materiales tienen límites de temperatura diferentes. Se debe prestar especial cuidado con cadenas/bandas que funcionen a velocidades altas y cuya fricción puede provocar sobrecalentamiento y el fundido de la cadena/banda, así como de las guías de deslizamiento. Nunca exceda las velocidades máximas o mínimas proporcionadas por uni-chains.

Utilice sólo ruedas originales uni-chains con bandas y cadenas uni-chains. Al construir transportadores, es importante incluir protección sobre las partes móviles para evitar que dedos o ropa resulten atrapados en la maquinaria. ambién suministramos cadenas de seguridad y bandas de giro lateral que dejan huecos mínimos en las curvas, haciéndolas más seguras que las cadenas normales.