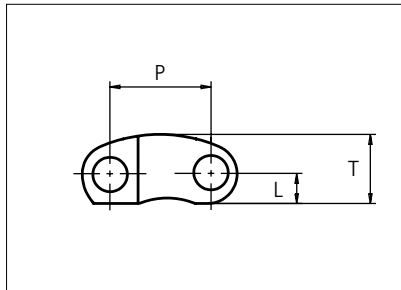
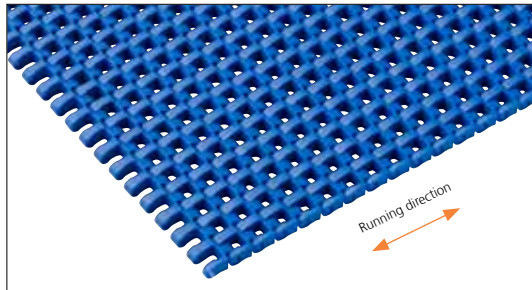




# Plastic Modular Belt

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.

<b>Belt material &amp; color</b>	PP <b>B</b>	POM-D <b>B</b>		<b>mm</b>	<b>in</b>		<b>mm</b>	<b>in</b>	
<b>Pin material &amp; color</b>	PP <b>W</b>	PBT <b>LG</b>		<b>P (Nominal)</b>	12.7	0.50	<b>T</b>	8.8	0.35
				<b>L</b>	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
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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
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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



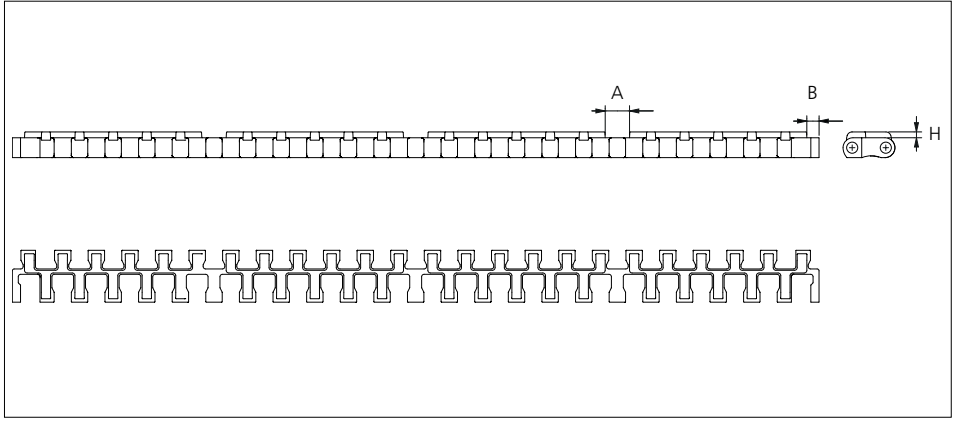
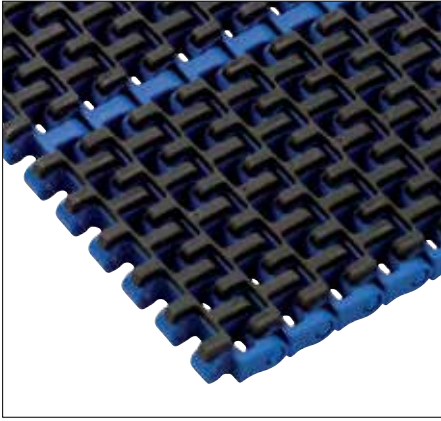
STANDARD

STRAIGHT RUNNING

PITCH 12.7 MM/0.50 IN

## Accessories

### Rubber Top

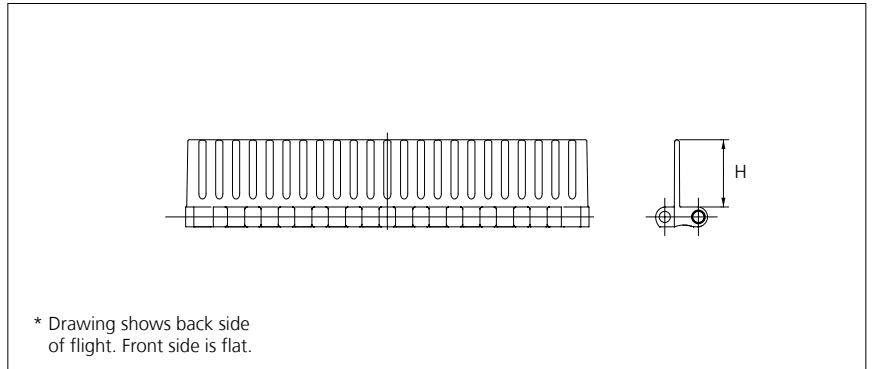
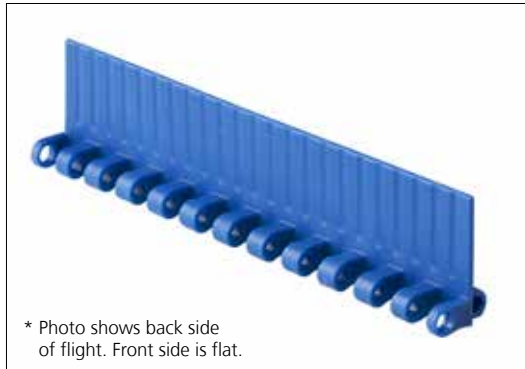


Type	Belt material & color	Rubber material & color	A		B		H		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Flat	PP <b>W</b>	03 <b>W</b>	9.2	0.36	4.6	0.18	2.2	0.09	K600	154.0	6.1
	PP <b>B</b>	03 <b>K</b>							K1200	308.0	12.1

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

## Accessories

### Flight



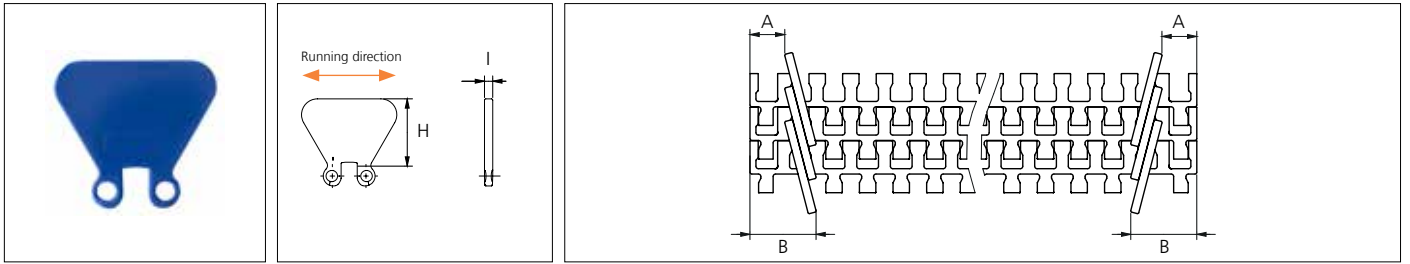
Type	Material & color	H		Link size	Width	
		mm	in		mm	in
Flat/Non Stick*	POM-D <b>W</b> <b>B</b>	25.4	1.00	K600	152.0	5.98

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



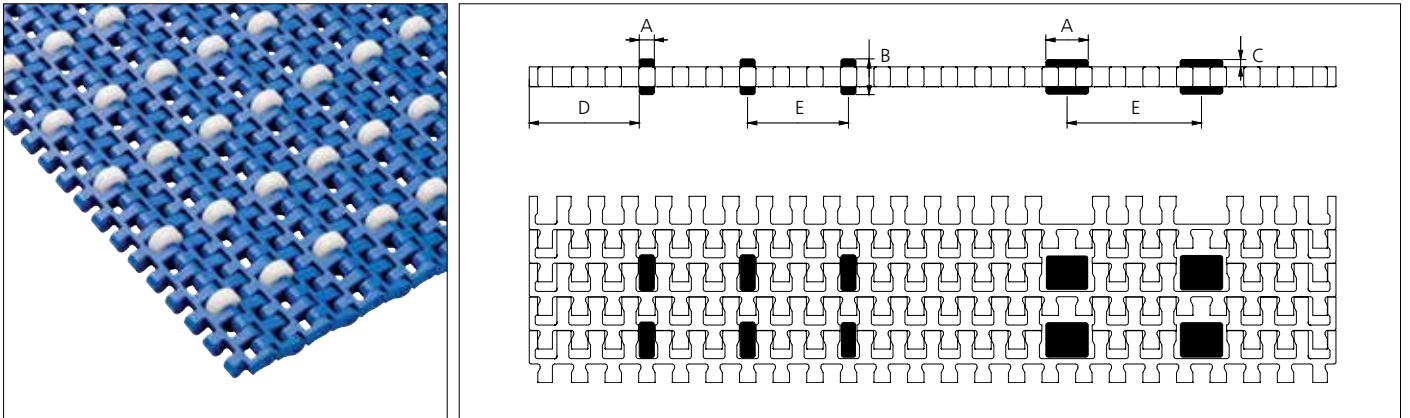
Type	Material & color	*A		B		H		I	
		mm	in	mm	in	mm	in	mm	in
Closed	POM-D <b>W</b> <b>B</b>	13.0	0.50	25.0	0.98	25.4	1.00	3.1	0.12

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 <b>W</b>	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.

## Sprocket

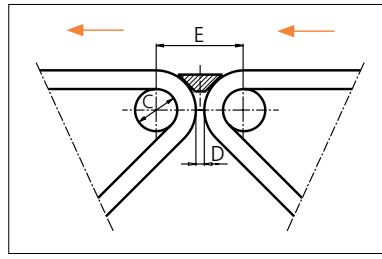
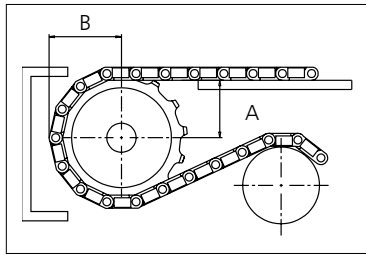
No. of teeth	Bore size										Overall diameter		Pitch diameter		Hub diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	mm	in	mm	in	mm	in	mm	in	mm	in					
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	43.2	1.70

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.

uni M-TTB 37% CS/161220



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