



**Matveyor®**  
Heavy Duty Belts Series  
(Metric Standard)

**USPM**



**HF USPM**



**LPB USPM**



**DIVERSIA TEC**  
Tecnología industrial

C/ Centauro, 13  
Área Empresarial Las Cubiertas  
28971-Griñón (Madrid)

T. 0034 91 126 6627  
info@diversiatec.com  
www.diversiatec.com



## USPM SERIES - 1" PITCH, HEAVY DUTY

### MODULAR PLASTIC BELTS - METRIC STANDARD

#### Installation guidelines

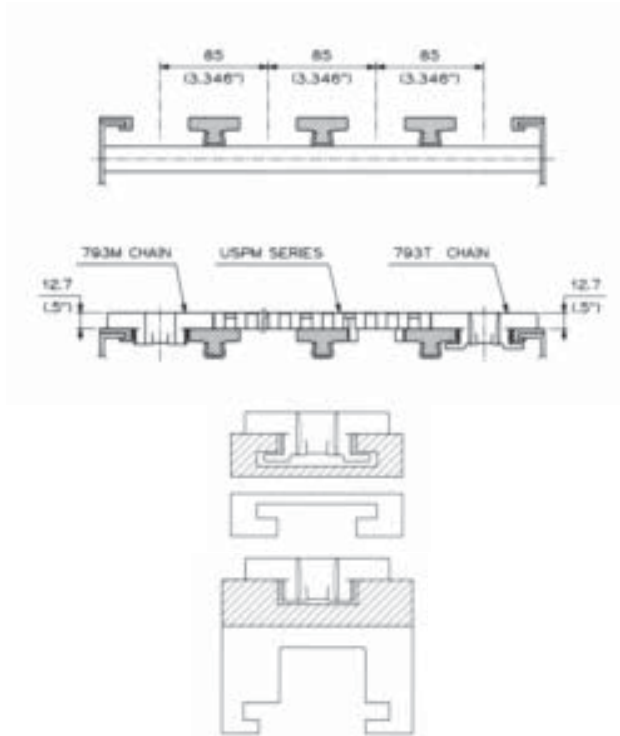
Widths and guides are designed for installation on conveyors with 85 mm between parallel tracks and 44 mm clearance between the wear strips.

USPM series can be used together with Magnetic or Tab sideflexing chains 793 series (see page 162). Same thickness of 12,7 mm for easy installation side by side and standardization of wear strips.

Tab chains 793T use the same curves as Flitetop® plastic chains 880T, 879T Series and Flitetop® steel chains 881T and 981T Series. (For Tab curves see page 274)

Magnetic chains 793M have no Tab or Bevel profile and have been designed to be installed on magnetic curves. (For Magnetic curves see page 233).

For 90° products transfer, also availability of ATM (Active Transfer Modules) series (see page 145)



#### Features and Benefits



##### Large bottom sliding surface

The extremely large contact surface reduces the specific pressure with the wear strips and consequently the wear of the belt bottom surface (limited reduction in thickness).



##### Smooth and uniform surface

The surface near the edge of the modules, which is critical for the side transfer of the product, is uniform, with no discontinuities. The side transfer of the products is not disturbed.



##### Easy assembly and disassembly

Retention clips can easily be moved from the side of the belt for assembling and disassembling. Only a small movement is required, the clip remains located in the module.

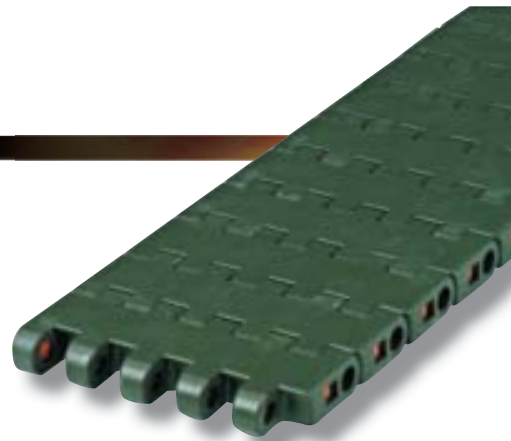


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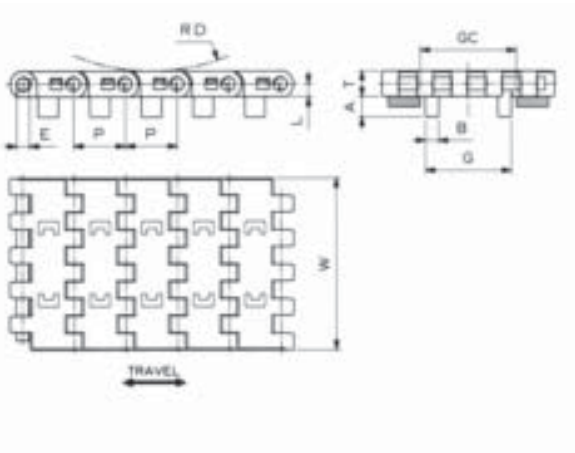
## USPM SERIES - DEDICATED WIDTHS

- 1" PITCH
- SOLID TOP

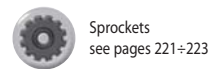
The extremely good flatness, manufacturing accuracy, low coefficient of friction, make the side transfer of the products very easy. Completely closed surface, no gap between the modules, even when engaging on the sprockets. Particularly suitable for glass products, small sized products and unstable containers (for example PET bottles with petaloid base).



- Module Materials **UP** **DK<sup>2</sup>** **AR**
- Pin material: PBT



Dimension	mm	inches
A	10	.394
B	6,5	.256
E	6,26	.246
G	42,2	1.661
L	6,35	.25
P	25,4	1
RD	25	.984
GC	44	1.732



### USPM (Solid top – 1" Pitch)

REGINA PART NUMBER	CHAIN WIDTH W		PLATE THICKNESS T		WORKING LOAD (25°C/77°F)		CHAIN WEIGHT		MATERIAL
	mm	inches	mm	inches	N	lbs	kg/m	lbs/ft	
<b>USPMG UP K 83,8</b>	83,8	3.30	12,7	0.50	2975	670	1,21	0.81	ULTRA PERFORMANCE ACETAL RESIN (UP)
<b>USPMG D2K K 83,8</b>	83,8	3.30	12,7	0.50	2975	670	1,21	0.81	REGINA DK <sup>2</sup>
<b>USPMG AR K 83,8</b>	83,8	3.30	12,7	0.50	2975	670	1,19	0.80	ABRASION RESISTANT POLYAMIDE* (AR)

\*Due to different shrinkage of materials, actual width is larger than the standard

Standard length: 3,048 m (10 feet)



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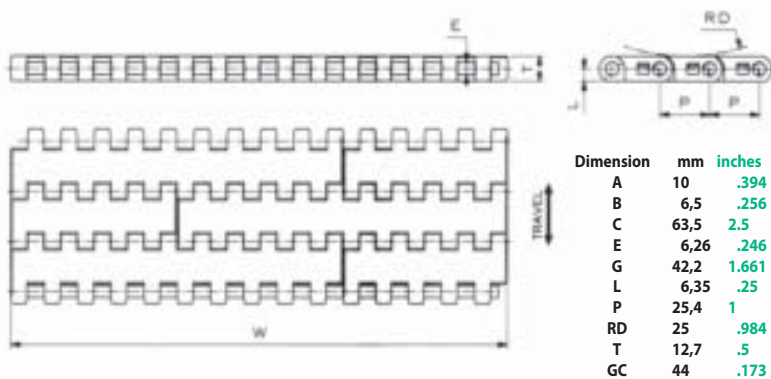
## USPM SERIES - MODULAR BELTS

- 1" PITCH
- SOLID TOP

Extremely good flatness, manufacturing accuracy and low coefficient of friction make the side transfer of the products very easy. Completely closed surface, no gap between the modules, even when engaging on the sprockets. Particularly suitable for glass products, small sized products and unstable containers (for example PET bottles with petaloid base).



- **Module Materials** UP DK<sup>2</sup> AR
- **Belt widths:** 170 mm (6.693") or wider in 85 mm increments
- **Pin material:** PBT
- **Working Load (at 25°C/77°F):** 35000 N/m (2,400 lbs/ft)



TRACKING GUIDE POSITION  
Modular belt:



### USPM (Solid top - 1" Pitch)



Materials  
see page 12



Sprockets  
see pages 221÷223



Applications  
see page 18

BELT NOMINAL WIDTH "W"	MATERIAL: ULTRA PERFORMANCE ACETAL RESIN (UP)				MATERIAL: REGINA DK <sup>2</sup>				MATERIAL: ABRASION RESISTANT POLYAMIDE* (AR)			
	REGINA PART NUMBER		REGINA PART NUMBER		REGINA PART NUMBER		REGINA PART NUMBER		REGINA PART NUMBER		REGINA PART NUMBER	
mm inches	WITHOUT GUIDE	WITH TRACKING GUIDE	WITHOUT GUIDE	WITH TRACKING GUIDE	WITHOUT GUIDE	WITH TRACKING GUIDE	WITHOUT GUIDE	WITH TRACKING GUIDE	WITHOUT GUIDE	WITH TRACKING GUIDE	WITHOUT GUIDE	WITH TRACKING GUIDE
170 6.69	USPM UP 0170	USPMG1 UP 0170	USPM D2K 0170	USPMG1 D2K 0170	2,37	1.59	USPM AR 0170	USPMG1 AR 0170	2,28	1.53		
255 10.04	USPM UP 0255	USPMG1 UP 0255	USPM D2K 0255	USPMG1 D2K 0255	3,55	2.38	USPM AR 0255	USPMG1 AR 0255	3,42	2.30		
340 13.39	USPM UP 0340	USPMG1 UP 0340	USPM D2K 0340	USPMG1 D2K 0340	4,72	3.17	USPM AR 0340	USPMG1 AR 0340	4,55	3.06		
425 16.73	USPM UP 0425	USPMG1 UP 0425	USPM D2K 0425	USPMG1 D2K 0425	5,89	3.96	USPM AR 0425	USPMG1 AR 0425	5,68	3.82		
510 20.08	USPM UP 0510	USPMG1 UP 0510	USPM D2K 0510	USPMG1 D2K 0510	7,07	4.75	USPM AR 0510	USPMG1 AR 0510	6,81	4.58		
595 23.43	USPM UP 0595	USPMG1 UP 0595	USPM D2K 0595	USPMG1 D2K 0595	8,24	5.54	USPM AR 0595	USPMG1 AR 0595	7,94	5.34		
680 26.77	USPM UP 0680	USPMG1 UP 0680	USPM D2K 0680	USPMG1 D2K 0680	9,42	6.33	USPM AR 0680	USPMG1 AR 0680	9,07	6.10		
765 30.12	USPM UP 0765	USPMG1 UP 0765	USPM D2K 0765	USPMG1 D2K 0765	10,59	7.12	USPM AR 0765	USPMG1 AR 0765	10,20	6.86		
850 33.46	USPM UP 0850	USPMG1 UP 0850	USPM D2K 0850	USPMG1 D2K 0850	11,77	7.91	USPM AR 0850	USPMG1 AR 0850	11,33	7.62		
935 36.81	USPM UP 0935	USPMG1 UP 0935	USPM D2K 0935	USPMG1 D2K 0935	12,94	8.70	USPM AR 0935	USPMG1 AR 0935	12,46	8.38		
1020 40.16	USPM UP 1020	USPMG1 UP 1020	USPM D2K 1020	USPMG1 D2K 1020	14,11	9.49	USPM AR 1020	USPMG1 AR 1020	13,59	9.14		

Belts wider than 1020 mm available (85 mm increments)

Example: 1020+85=1105 mm width, without guide, part number (in UP material) "USPM UP 1105".

\*Due to different shrinkage of materials, actual width is larger than the standard.

Standard length for belts up to a width of 680 mm: 3,048 m (10 feet).

Wider belts available in any requested length.

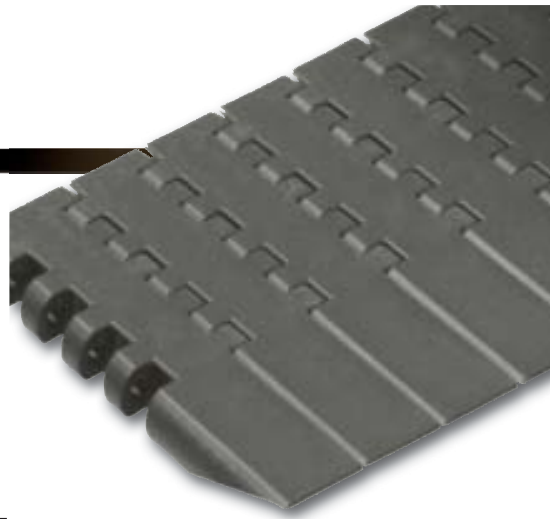


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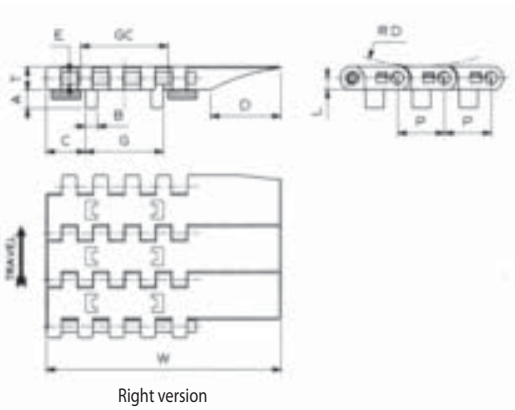
## USPMG ATM SERIES - ACTIVE TRANSFER MODULES

- 1" PITCH
- SOLID TOP

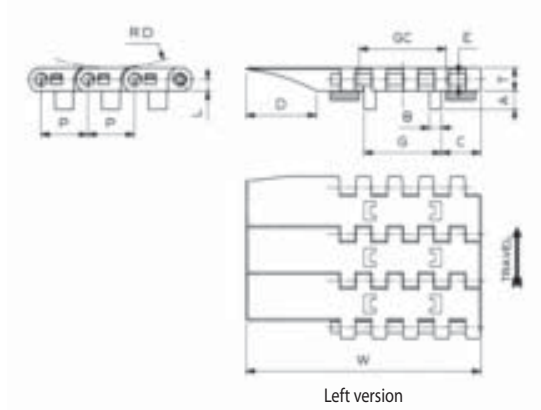
To be used in combination with USPM belts series.  
 Active transfer modules USPMG ATM series allow the transfer of the products between two 90° conveyor tracks without using dead plates.  
 The special module profile, wing shaped, supports the products dynamically during transfer on the take-away belt.  
 Available left and right version.



- Module Materials **UP** **DK<sup>2</sup>** **AR**
- Pin material: PBT



Dimension	mm	inches
A	10	.394
B	6,5	.256
C	21,3	.839
D	38,1	1.5
E	6,26	.246
G	42,2	1.661
L	6,35	.25
P	25,4	1
RD	25	.984
GC	44	1.732



### USPMG ATM (Solid top - 1" Pitch - Right Version)



Materials see page 12



Sprockets see pages 221-223



Applications see page 18

REGINA PART NUMBER	CHAIN WIDTH W		PLATE THICKNESS T		WORKING LOAD (25°C/77°F)		CHAIN WEIGHT		MATERIAL
	mm	inches	mm	inches	N	lbs	kg/m	lbs/ft	
<b>USPMGATM UP 0085 DX</b>	127,5	5.02	12,7	0.50	2975	670	1,54	1.03	ULTRA PERFORMANCE ACETAL RESIN (UP)
<b>USPMGATM D2K 0085 DX</b>	127,5	5.02	12,7	0.50	2975	670	1,54	1.03	REGINA DK <sup>2</sup>
<b>USPMGATM AR 0085 DX</b>	127,5	5.02	12,7	0.50	2975	670	1,52	1.02	ABRASION RESISTANT POLYAMIDE* (AR)

Standard length: 3,048 m (10 feet)

### USPMG ATM (Solid top - 1" Pitch - Left Version)



Materials see page 12



Sprockets see pages 221-223



Applications see page 18

REGINA PART NUMBER	CHAIN WIDTH W		PLATE THICKNESS T		WORKING LOAD (25°C/77°F)		CHAIN WEIGHT		MATERIAL
	mm	inches	mm	inches	N	lbs	kg/m	lbs/ft	
<b>USPMGATM UP 0085 SX</b>	127,5	5.02	12,7	0.50	2975	670	1,54	1.03	ULTRA PERFORMANCE ACETAL RESIN (UP)
<b>USPMGATM D2K 0085 SX</b>	127,5	5.02	12,7	0.50	2975	670	1,54	1.03	REGINA DK <sup>2</sup>
<b>USPMGATM AR 0085 SX</b>	127,5	5.02	12,7	0.50	2975	670	1,52	1.02	ABRASION RESISTANT POLYAMIDE* (AR)

\*Due to different shrinkage of materials, actual width is larger than the standard.

Standard length: 3,048 m (10 feet)



## LBP USPM SERIES - 1" PITCH, HEAVY DUTY WITH ROLLERS

### MODULAR PLASTIC BELTS - METRIC STANDARD

#### Applications

Food and beverage industry packaging line (PET bottle packs in heat shrink film).

Paper and cardboard boxes.

General purpose conveying applications with problems of back-line pressure between products.

#### Features and materials

LBP Modular Belts are based on USPM series (see page 144).

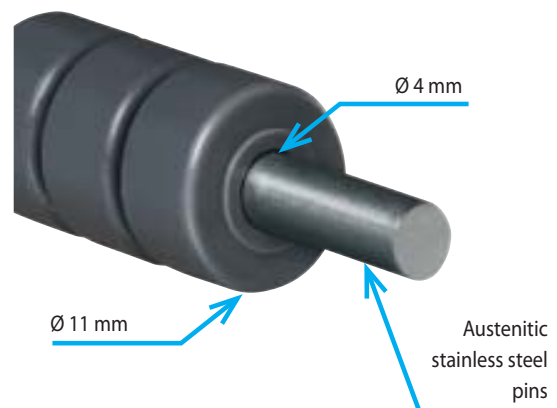
Modules are made by Ultra Performance acetal resin (UP), for good wear resistance and mechanical strength.

Rollers made of specifically designed thermoplastic resin.

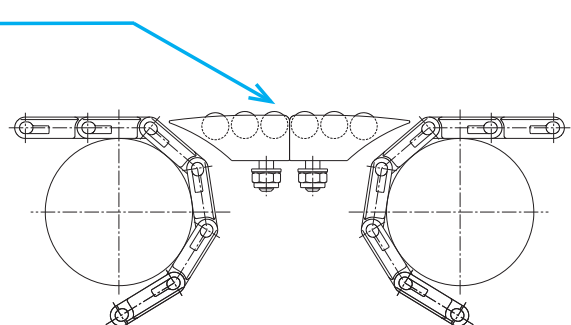


#### Benefits

- It is possible to build wide accumulation tables with rollers over the entire width, due to 85 mm width increments
- High ratio outside/inside roller diameter: better rotation capability, lower coefficient of friction in combination with low noise.
- Self cleaning roller profile (barrel shaped).



- Availability of modular transfer plates with rollers for smooth transfer between two conveyors.  
For product details, see page 282.





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## LBP USPM SERIES - DEDICATED WIDTHS AND MODULAR BELTS

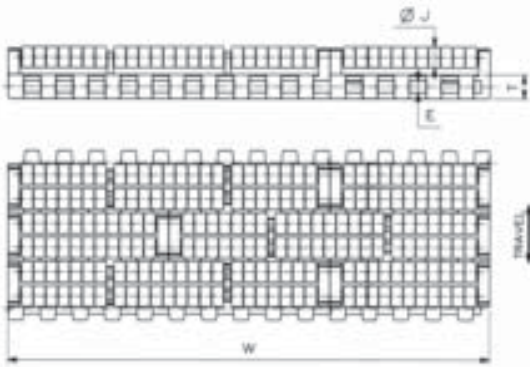
- 1" PITCH
- LBP ROLLERS

Suitable for applications where a conveyor with large accumulating section is needed.



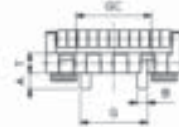
### - Module and Roller Materials UP

- Belt widths: 85 mm (3.346") or wider in 85 mm increments
- Pin material: PBT
- Working Load (at 25°C/77°F): 35000 N/m (2,400 lbs/ft)



Dimension	mm	inches
A	10	.394
B	6,5	.256
C	63,5	2.5
E	6,26	.246
G	42,2	1.661
H	27,2	1.071
J	11	.433
L	6,35	.25
P	25,4	1
RD	230	9.055
T	12,7	.5
GC	44	1.732

TRACKING GUIDE POSITION  
Dedicated width: (85 mm)



Modular belt:



### LBP USPM (LBP rollers - 1" Pitch)



Materials  
see page 12



Sprockets  
see pages 221÷223



Applications  
see page 18

BELT NOMINAL WIDTH "W"	MATERIAL: ULTRA PERFORMANCE ACETAL RESIN (UP)				BELT WEIGHT	
	mm	inches	REGINA PART NUMBER	REGINA PART NUMBER	kg/m	lbs/ft
85	3.35	WITHOUT GUIDE	<b>LBP USPM UP 0085</b>	WITH TRACKING GUIDE	<b>LBP USPMG UP 0085</b>	2,73 1.83
170	6.69		<b>LBP USPM UP 0170</b>		<b>LBP USPMG1 UP 0170</b>	5,34 3.59
255	10.04		<b>LBP USPM UP 0255</b>		<b>LBP USPMG1 UP 0255</b>	7,90 5.31
340	13.39		<b>LBP USPM UP 0340</b>		<b>LBP USPMG1 UP 0340</b>	10,56 7.10
425	16.73		<b>LBP USPM UP 0425</b>		<b>LBP USPMG1 UP 0425</b>	13,22 8.89
510	20.08		<b>LBP USPM UP 0510</b>		<b>LBP USPMG1 UP 0510</b>	15,78 10.61
595	23.43		<b>LBP USPM UP 0595</b>		<b>LBP USPMG1 UP 0595</b>	18,38 12.35
680	26.77		<b>LBP USPM UP 0680</b>		<b>LBP USPMG1 UP 0680</b>	20,98 14.10
765	30.12		<b>LBP USPM UP 0765</b>		<b>LBP USPMG1 UP 0765</b>	23,24 15.62
850	33.46		<b>LBP USPM UP 0850</b>		<b>LBP USPMG1 UP 0850</b>	25,93 17.42
935	36.81		<b>LBP USPM UP 0935</b>		<b>LBP USPMG1 UP 0935</b>	28,52 19.17
1020	40.16		<b>LBP USPM UP 1020</b>		<b>LBP USPMG1 UP 1020</b>	31,11 20.91

Belts wider than 1020 mm available (85 mm increments).  
Example: 1020 + 85 = 1105 mm width, without guide, part number "LBP USPM UP 1105".

Standard length for belts up to a width of 425 mm: 1,524 m (60 pitches).  
Wider belts available in any requested length.



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## HF USPM SERIES - 1" PITCH, HEAVY DUTY WITH RUBBERIZED SURFACE

### MODULAR PLASTIC BELTS - METRIC STANDARD

#### Applications

Packaging lines (cardboard, shrink packs).  
Paper and cardboard boxes.  
General conveying on inclined conveyors.

#### Features and materials

HF Modular Belts are based on USPM series (see page 144).

High friction surface is thermoplastic rubber  
(see page 14).



#### Benefits

- Available either full rubberized or side indent (to allow a return on straight guides without interferences with rubberized portion).
- Outstanding rubber retention (Patent Pending).
- Excellent and reliable rubber grip.
- Large sliding surface for extended wear life.
- Wide sprocket tooth for reliable drive and extended life.
- The maximum angle of the ramp is a function of type, shape and material of the product to be conveyed. Please contact Regina Application Engineers for a more detailed evaluation.  
Temperature and other environmental conditions can influence the maximum value of the inclination.







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## HF USPM SERIES - DEDICATED WIDTHS AND MODULAR BELTS

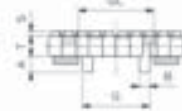
- 1" PITCH
- RUBBERIZED SURFACE - FULL COVER

HF USPM belts are an ideal solution for heavy duty inclines, declines and package handling (acceleration, deceleration, rotation).

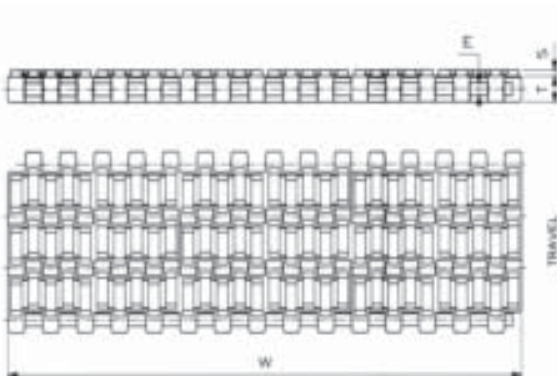


- **Module Materials** PP
- **Rubber Material** Thermo Plastic
- **Belt widths:** 85 mm (3.346") or wider in 85 mm increments
- **Pin material:** PBT
- **Working Load (at 25°C/77°F):** 18100 N/m (1,240 lbs/ft)

TRACKING GUIDE POSITION  
Dedicated width: (85 mm):



Modular belt:



Dimension	mm	inches
A	10	.394
B	6,5	.256
C	63,5	2.5
E	6,26	.246
G	42,2	1.661
L	6,35	.25
P	25,4	1
RD	25	.984
S	3	.118
T	12,7	.5
GC	44	1.732



Materials  
see page 12



Sprockets  
see pages 221÷223



Applications  
see page 18

### HF USPM (Rubberized surface - Full cover – 1" Pitch)

BELT NOMINAL WIDTH "W"		MATERIAL: POLYPROPYLENE* (PP)		BELT WEIGHT	
mm	inches	WITHOUT GUIDE	WITH TRACKING GUIDE	kg/m	lbs/ft
85	3.35	<b>HF USPM PP 0085</b>	<b>HF USPMG1 PP 0085</b>	0,96	0.65
170	6.69	<b>HF USPM PP 0170</b>	<b>HF USPMG1 PP 0170</b>	1,90	1.28
255	10.04	<b>HF USPM PP 0255</b>	<b>HF USPMG1 PP 0255</b>	2,85	1.91
340	13.39	<b>HF USPM PP 0340</b>	<b>HF USPMG1 PP 0340</b>	3,79	2.55
425	16.73	<b>HF USPM PP 0425</b>	<b>HF USPMG1 PP 0425</b>	4,73	3.18
510	20.08	<b>HF USPM PP 0510</b>	<b>HF USPMG1 PP 0510</b>	5,67	3.81
595	23.43	<b>HF USPM PP 0595</b>	<b>HF USPMG1 PP 0595</b>	6,62	4.45
680	26.77	<b>HF USPM PP 0680</b>	<b>HF USPMG1 PP 0680</b>	7,56	5.08
765	30.12	<b>HF USPM PP 0765</b>	<b>HF USPMG1 PP 0765</b>	8,50	5.71
850	33.46	<b>HF USPM PP 0850</b>	<b>HF USPMG1 PP 0850</b>	9,44	6.35

Belts wider than 850 mm available (85 mm increments).  
Example: 850 + 85 = 935 mm width, without guide, part number "HF USPM PP 0935".  
\*Due to different shrinkage of materials, actual width is larger than the standard.

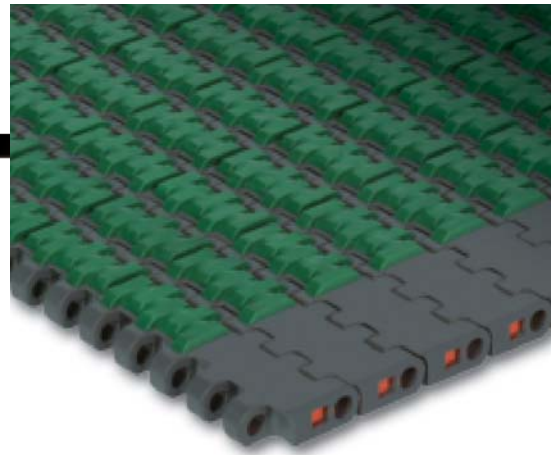
Standard length for belts up to a width of 425 mm: 1,524 m (60 pitches).  
Wider belts available in any requested length.



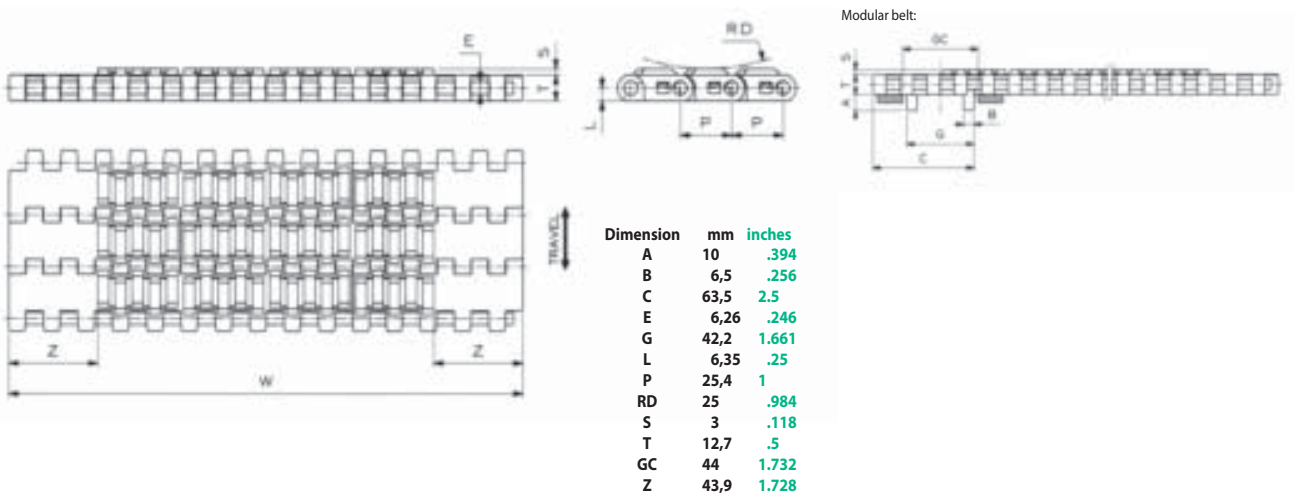
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## HFS USPM SERIES - MODULAR BELTS

- 1" PITCH
- RUBBERIZED SURFACE - SIDE INDENT



- Module Materials **PP**
- Rubber Material **Thermo plastic**
- Belt widths: 255 mm (10.04") or wider in 85 mm increments
- Pin material: PBT
- Working Load (at 25°C/77°F): 18100 N/m (1,240 lbs/ft)



TRACKING GUIDE POSITION  
Modular belt:

### HFS USPM (Rubberized surface - Side indent - 1" Pitch)



Materials  
see page 12



Sprockets  
see pages 221+223



Applications  
see page 18

BELT NOMINAL WIDTH "W"		MATERIAL: POLYPROPYLENE* (PP)		BELT WEIGHT	
mm	inches	REGINA PART NUMBER		kg/m	lbs/ft
		WITHOUT GUIDE	WITH TRACKING GUIDE		
255	10.04	<b>HFS USPM PP 0255</b>	<b>HFS USPMG1 PP 0255</b>	2,70	1.82
340	13.39	<b>HFS USPM PP 0340</b>	<b>HFS USPMG1 PP 0340</b>	3,65	2.45
425	16.73	<b>HFS USPM PP 0425</b>	<b>HFS USPMG1 PP 0425</b>	4,59	3.08
510	20.08	<b>HFS USPM PP 0510</b>	<b>HFS USPMG1 PP 0510</b>	5,53	3.72
595	23.43	<b>HFS USPM PP 0595</b>	<b>HFS USPMG1 PP 0595</b>	6,47	4.35
680	26.77	<b>HFS USPM PP 0680</b>	<b>HFS USPMG1 PP 0680</b>	7,41	4.98
765	30.12	<b>HFS USPM PP 0765</b>	<b>HFS USPMG1 PP 0765</b>	8,36	5.61
850	33.46	<b>HFS USPM PP 0850</b>	<b>HFS USPMG1 PP 0850</b>	9,30	6.25

Belts wider than 850 mm available (85 mm increments).  
Example: 850 + 85 = 935 mm width, without guide, part number "HFS USPM PP 0935".  
\*Due to different shrinkage of materials, actual width is larger than the standard.

Standard length for belts up to a width of 425 mm: 1,524 m (60 pitches).  
Wider belts available in any requested length.



**Matveyor®**  
Heavy Duty Belts  
Raised Rib Series

**3120**



**DIVERSIA TEC**  
Tecnología industrial

C/ Centauro, 13  
Área Empresarial Las Cubiertas  
28971-Griñón (Madrid)

T. 0034 91 126 6627  
info@diversiatec.com  
www.diversiatec.com



# Matveyor®



## 3120 SERIES - 2" PITCH, HEAVY DUTY, RAISED RIB

### MODULAR PLASTIC BELTS - INCH STANDARD

#### APPLICATIONS

- Pasteurizers
- Warmers
- Coolers



#### Installation guidelines

The modular plastic belts 3120 Series are used in combination with combs for the head transfer of the products. Different combs and sprockets are available for the maximum flexibility in conveyor lay-out definition.

#### Benefits

##### Uniform and optimum conveying surface

The ideal ratio rib thickness/spacing offers high support for the most unstable products such as PET bottles with petaloid bottom.

##### Reliable drive

Accurate tooth profile with a large cross section ensures high capacity and long wear life of sprockets and modules. The central pocket makes these belts bidirectional.

##### Easy assembly and disassembly of the belt

These belts have retaining clips for easy assembly and disassembly.

##### Optimum combination open area / mechanical strength

Excellent liquid drainage and mechanical strength.

##### Contrasting color of retention clips (red/grey)

Easy to identify if a clip is turned in "open position".

##### Uniform surface of the belt

The shape of clips guarantees surface continuity for the belt, increasing the stability of the products.



3120 belts have integrated clips located into the module, which can be easily rotated to remove the rod.



# Matveyor®

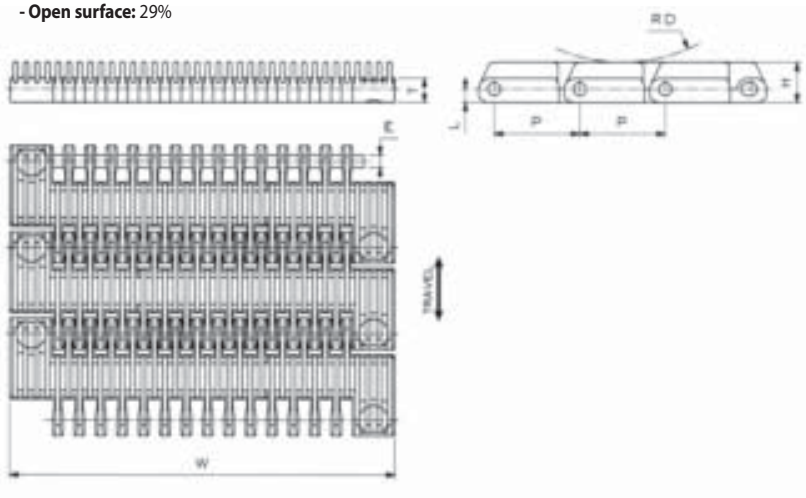


## 3120 SERIES - MODULAR BELTS

- 2" PITCH
- RAISED RIB

The ideal ratio rib thickness/spacing offers high support even for the most unstable products such as PET bottles with petaloid bottom. The open area of raised rib belt guarantees optimum drainage of liquids and mechanical strength; it is also designed for easy cleaning and cooling or warming of products.

- **Module Materials** PP
- **Belt widths:** 12" (304,8 mm) or wider in 3" (76,2 mm) increments
- **Pin material:** Polypropylene PP
- **Working Load (at 25°C/77°F):** 24670 N/m (1,690 lb/ft)
- **Open surface:** 29%



Dimension	mm	inches
E	7,2	.283
H	23,9	.941
L	7,9	.311
P	50,8	2
R	9,7	.382
RD	76,2	3
T	14,2	.560

### 3120 (Raised Rib - 2" Pitch)



Materials  
see page 12



Sprockets  
see page 227



Combs  
see page 286



Applications  
see page 18

BELT NOMINAL WIDTH "W"		MATERIAL: POLYPROPYLENE (PP)		BELT WEIGHT	
mm	inches	REGINA PART NUMBER	kg/m	lbs/ft	
304,8	12	3120 PP 012	3,30	2,22	
381,0	15	3120 PP 015	4,13	2,78	
457,2	18	3120 PP 018	4,94	3,32	
533,4	21	3120 PP 021	5,78	3,88	
609,6	24	3120 PP 024	6,58	4,42	
685,8	27	3120 PP 027	7,40	4,97	
762,0	30	3120 PP 030	8,21	5,52	
838,2	33	3120 PP 033	9,05	6,08	
914,4	36	3120 PP 036	9,84	6,61	
990,6	39	3120 PP 039	10,66	7,16	
1066,8	42	3120 PP 042	11,18	7,51	
1143,0	45	3120 PP 045	12,31	8,27	
1219,2	48	3120 PP 048	13,11	8,81	
1295,4	51	3120 PP 051	13,93	9,36	
1371,6	54	3120 PP 054	14,74	9,91	
1447,8	57	3120 PP 057	15,58	10,47	
1524,0	60	3120 PP 060	16,37	11,00	

Belts wider than 1524 mm (60") available, with increments of 76,2 mm (3").  
 Example: 60 + 3 = 63 inches width, part number "3120 PP 063".  
 On request, belts available in 1.5" (38,1 mm) increments, starting from 12" (304,8 mm).  
 Example: 45+1.5 = 46.5 inches width, part number "3120 PP 046M".

Belt available in the requested length.



**Matveyor®**  
Heavy Duty Belts Series  
(Inch Standard)

**USP**



**ULTOP®**

**UCC**



**UCC 138**



**DIVERSIA TEC**  
Tecnología industrial

C/ Centauro, 13  
Área Empresarial Las Cubiertas  
28971-Griñón (Madrid)

T. 0034 91 126 6627  
info@diversiatec.com  
www.diversiatec.com



**Matveyor®**



## USP SERIES - 1" PITCH, HEAVY DUTY

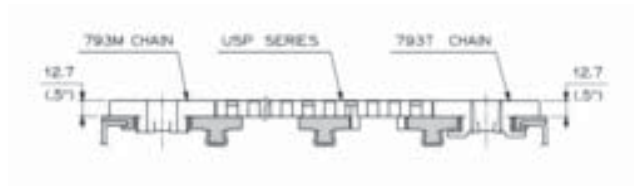
### MODULAR PLASTIC BELTS - INCH STANDARD

#### Installation guidelines

Widths according to Inch standard.  
Dedicated widths: 3 ¼", 4 ½", 7 ½".  
Brick laid modular belts in 1" increments.

USP series can be used together with Magnetic or Tab sideflexing chains 793 series (see page 162).  
Same thickness of 12,7mm for easy installation side by side and standardization of wear strips.

For 90° products transfer, also availability of ATM (Active Transfer Modules) series (see page 155).



#### Features and Benefits



##### Large bottom sliding surface

The extremely large contact surface reduces the specific pressure with the wear strips and consequently the wear of the bottom surface of the belt (limited reduction in thickness).



##### Smooth and uniform surface

The surface near the edge of the modules which is critical for the side transfer of the products is uniform with no discontinuities.  
The side transfer of the products is not disturbed.



##### Easy assembly and disassembly

Retention clips can easily be moved from the side of the belt for assembling and disassembling. Only a small movement is required, the clip remains located in the module.



# Matveyor®

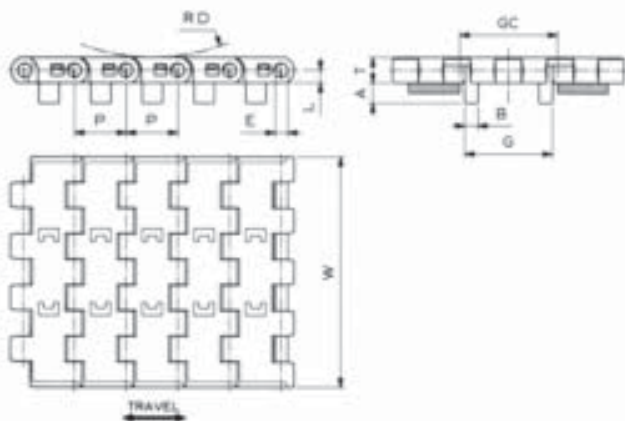


## USP SERIES - DEDICATED WIDTHS

- 1" PITCH
- SOLID TOP

Completely closed surface, no gap between the modules, even when engaging on the sprockets. Particularly suitable for glass products.

- Module Materials **UP** **DK<sup>2</sup>** **AR**
- Pin material: PBT



Dimension	mm	inches
A	10	.394
B	6,5	.256
E	6,26	.246
G	43	1.693
L	6,35	.25
P	25,4	1
RD	25	.984
GC	44.5	1.751

VERSION WITHOUT TRACKING GUIDE



Materials  
see page 12



Sprockets  
see pages 221÷223



Applications  
see page 18

### USP (Solid top – 1" Pitch)

REGINA PART NUMBER WITHOUT GUIDE	REGINA PART NUMBER WITH GUIDE	CHAIN WIDTH W		PLATE THICKNESS T		WORKING LOAD (25°C/77°F)		CHAIN WEIGHT		MATERIAL
		mm	inches	mm	inches	N	lbs	kg/m	lbs/ft	
<b>USP UP 325</b>	<b>USPG UP 325</b>	82,6	3.25	12,7	0.50	2500	562	1,24	0.83	ULTRA PERFORMANCE ACETAL RESIN (UP)
<b>USP UP 450</b>	<b>USPG UP 450</b>	114,3	4.50	12,7	0.50	3430	770	1,71	1.15	
<b>USP UP 750</b>	<b>USPG UP 750</b>	190,5	7.50	12,7	0.50	5710	1,280	2,73	1.83	
<b>USP D2K 325</b>	<b>USPG D2K 325</b>	82,6	3.25	12,7	0.50	2500	562	1,24	0.83	REGINA DK <sup>2</sup>
<b>USP D2K 450</b>	<b>USPG D2K 450</b>	114,3	4.50	12,7	0.50	3430	770	1,71	1.15	
<b>USP D2K 750</b>	<b>USPG D2K 750</b>	190,5	7.50	12,7	0.50	5710	1,280	2,73	1.83	
<b>USP AR 325</b>	<b>USPG AR 325</b>	82,6	3.25	12,7	0.50	2500	562	1,17	0.79	ABRASION RESISTANT POLYAMIDE* (AR)
<b>USP AR 450</b>	<b>USPG AR 450</b>	114,3	4.50	12,7	0.50	3430	770	1,62	1.09	
<b>USP AR 750</b>	<b>USPG AR 750</b>	190,5	7.50	12,7	0.50	5710	1,280	2,67	1.79	

\*Due to different shrinkage of materials, actual width is larger than the standard.

Standard length 3,048 m (10 feet)





# Matveyor®

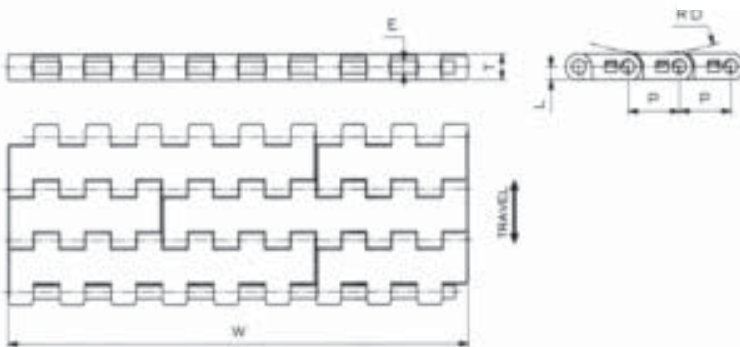
## USP SERIES - MODULAR BELTS

- 1" PITCH
- SOLID TOP

Completely closed surface, no gap between the modules, even when engaging on the sprockets. Particularly suitable for glass products.



- **Module Materials** UP DK<sup>2</sup> AR
- **Belt widths:** 152,4 mm (6") or wider in 76,2 mm (3") increments
- **Pin material:** PBT
- **Working Load (at 25°C/77°F):** 30000 N/m (2,055 lbs/ft)



Dimension	mm	inches
E	6,26	.246
L	6,35	.25
P	25,4	1
RD	25	.984
T	12,7	.5
GC	44	.173



Materials  
see page 12



Sprockets  
see pages 221÷223



Applications  
see page 18

### USP (Solid top – 1" Pitch)

BELT NOMINAL WIDTH "W"		MATERIAL: ULTRA PERFORMANCE ACETAL RESIN (UP)		MATERIAL: REGINA DK <sup>2</sup>		MATERIAL: ABRASION RESISTANT POLYAMIDE* (AR)		BELT WEIGHT	
		REGINA PART NUMBER		REGINA PART NUMBER		REGINA PART NUMBER		kg/m	lbs/ft
mm	inches							kg/m	lbs/ft
152,4	6	USP UP 006	USP D2K 006	2,16	1.45	USP AR 006	2,07	1.39	
228,6	9	USP UP 009	USP D2K 009	3,23	2.17	USP AR 009	3,11	2.09	
304,8	12	USP UP 012	USP D2K 012	4,30	2.89	USP AR 012	4,13	2.78	
381,0	15	USP UP 015	USP D2K 015	5,37	3.61	USP AR 015	5,16	3.47	
457,2	18	USP UP 018	USP D2K 018	6,44	4.33	USP AR 018	6,19	4.16	
533,4	21	USP UP 021	USP D2K 021	7,51	5.05	USP AR 021	7,22	4.85	
609,6	24	USP UP 024	USP D2K 024	8,58	5.77	USP AR 024	8,25	5.55	
685,8	27	USP UP 027	USP D2K 027	9,65	6.49	USP AR 027	9,28	6.24	
762,0	30	USP UP 030	USP D2K 030	10,72	7.21	USP AR 030	10,31	6.93	
838,2	33	USP UP 033	USP D2K 033	11,79	7.92	USP AR 033	11,34	7.62	
914,4	36	USP UP 036	USP D2K 036	12,86	8.64	USP AR 036	12,37	8.31	
990,6	39	USP UP 039	USP D2K 039	13,93	9.36	USP AR 039	13,40	9.00	
1066,8	42	USP UP 042	USP D2K 042	15,01	10.08	USP AR 042	14,43	9.70	
1143,0	45	USP UP 045	USP D2K 045	16,08	10.80	USP AR 045	15,46	10.39	
1219,2	48	USP UP 048	USP D2K 048	17,15	11.52	USP AR 048	16,49	11.08	
1295,4	51	USP UP 051	USP D2K 051	18,22	12.24	USP AR 051	17,52	11.77	
1371,6	54	USP UP 054	USP D2K 054	19,29	12.96	USP AR 054	18,55	12.46	
1447,8	57	USP UP 057	USP D2K 057	20,36	13.68	USP AR 057	19,58	13.15	
1524,0	60	USP UP 060	USP D2K 060	21,43	14.40	USP AR 060	20,60	13.85	

Belts wider than 1524mm (60") available, with standard increments of 76,2mm (3").

Example: 60+3=63 inches width, part number (in UP material) "USP UP 063".

Also available on request increments of 25,4mm (1").

Example: 48+1=49 inches width, part number (in UP material): "USP UP 049".

\*Due to different shrinkage of materials, actual width is larger than the standard.

Belts available in the requested length.



# Matveyor®

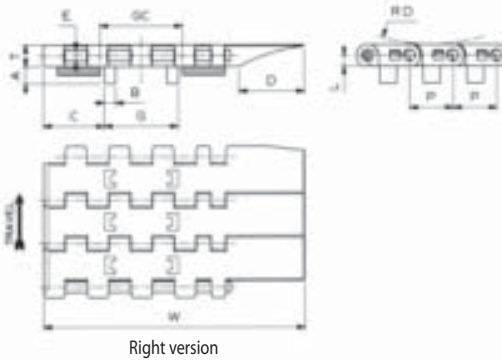
## USPG ATM SERIES - ACTIVE TRANSFER MODULES

- 1" PITCH
- SOLID TOP

To be used in combination with USP belts series.  
Active transfer modules USPG ATM series allow the transfer of the products between two 90° conveyor tracks without using dead plates. The special module profile, wing shaped, supports the products dynamically during transfer on the take-away belt. Available left and right version.

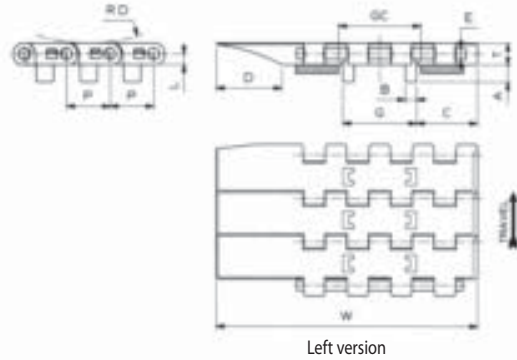


- Module Materials **UP** **DK<sup>2</sup>** **AR**
- Pin material: PBT



Right version

Dimension	mm	inches
A	10	.394
B	6,5	.256
C (K4½")	35,5	1.398
C (K7½")	73,6	2.898
D	38,1	1.5
E	6,26	.246
G	43	1.693
L	6,35	.25
P	25,4	1
RD	25	.984
GC	46	1.811



Left version



Materials see page 12



Sprockets see pages 221+223



Applications see page 18

### USPG ATM (Solid top - 1" Pitch - Right Version)

REGINA PART NUMBER	CHAIN WIDTH W		PLATE THICKNESS T		WORKING LOAD (25°C/77°F)		CHAIN WEIGHT		MATERIAL
	mm	inches	mm	inches	N	lbs	kg/m	lbs/ft	
USPGATM UP 450 DX	152,4	6	12,7	0.50	3480	780	1,93	1.30	ULTRA PERFORMANCE ACETAL RESIN (UP)
USPGATM UP 750 DX	228,6	9	12,7	0.50	5715	1,280	2,97	1.99	
USPGATM D2K 450 DX	152,4	6	12,7	0.50	3480	780	1,93	1.30	REGINA DK <sup>2</sup>
USPGATM D2K 750 DX	228,6	9	12,7	0.50	5715	1,280	2,97	1.99	
USPGATM AR 450 DX	152,4	6	12,7	0.50	3480	780	1,89	1.27	ABRASION RESISTANT POLYAMIDE* (AR)
USPGATM AR 750 DX	228,6	9	12,7	0.50	5715	1,280	2,94	1.98	

Standard length: 3,048 m (10 feet)



Materials see page 12



Sprockets see pages 221+223



Applications see page 18

### USPG ATM (Solid top - 1" Pitch - Left Version)

REGINA PART NUMBER	CHAIN WIDTH W		PLATE THICKNESS T		WORKING LOAD (25°C/77°F)		CHAIN WEIGHT		MATERIAL
	mm	inches	mm	inches	N	lbs	kg/m	lbs/ft	
USPGATM UP 450 SX	152,4	6	12,7	0.50	3480	780	1,93	1.30	ULTRA PERFORMANCE ACETAL RESIN (UP)
USPGATM UP 750 SX	228,6	9	12,7	0.50	5715	1,280	2,97	1.99	
USPGATM D2K 450 SX	152,4	6	12,7	0.50	3480	780	1,93	1.30	REGINA DK <sup>2</sup>
USPGATM D2K 750 SX	228,6	9	12,7	0.50	5715	1,280	2,97	1.99	
USPGATM AR 450 SX	152,4	6	12,7	0.50	3480	780	1,89	1.27	ABRASION RESISTANT POLYAMIDE* (AR)
USPGATM AR 750 SX	228,6	9	12,7	0.50	5715	1,280	2,94	1.98	

\*Due to different shrinkage of materials, actual width is larger than the standard.

Standard length: 3,048 m (10 feet)



# ULTOP®

## UCC SERIES - 1 ½" PITCH, HEAVY DUTY

DEDICATED WIDTHS - INCH STANDARD

### Installation guidelines

Chain widths according to Inch standard sizes.  
Dedicated widths 3 ¼", 4 ½", 6", 7 ½", 12", 15", 18" and 24".  
Active transfer modules for 90° transfer without dead plates.

### Features and Benefits

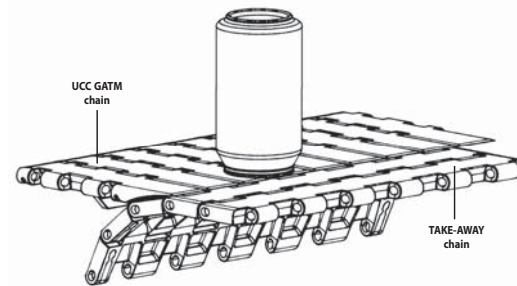
#### Smooth and uniform surface, special edge profiles

The surface near the edge of the modules is uniform with no discontinuities. Thus, the side transfer of the products is not disturbed. The special edge profile is designed for smooth transfer of products, even when the two side by side belts may have a different thickness due to normal wear.



#### Availability of active transfer modules

Elimination of dead plates at 90° corners, thanks to the wing shaped ATM modules (see page 158).  
A tippage-free transfer with self clearing corners is feasible because products are actively transferred from the ATM modules to the take-away conveyors.



#### Easy assembly and disassembly

Snapsert™ snaps into place to secure pins. Allows quick as-sembly/dis-assembly from either side and the reuse of pins.



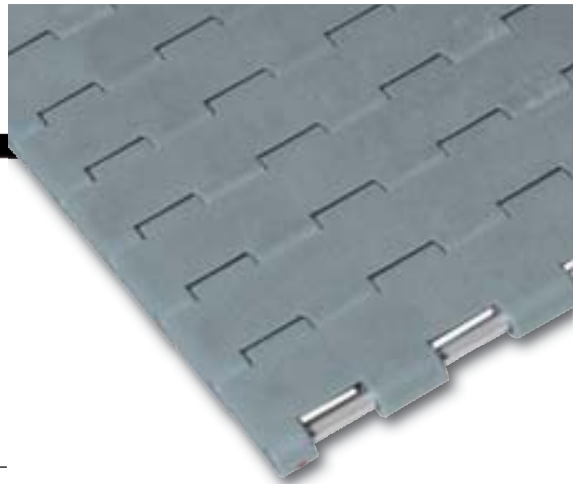
#### Reliability in heavy duty application

Completely closed surface, no gap between the flights even when engaging the sprocket.  
Equipped by stainless steel pins, recommended for heavy duty application because of their superior mechanical characteristics. Heavy duty sprocket teeth.





**ULTOP®**

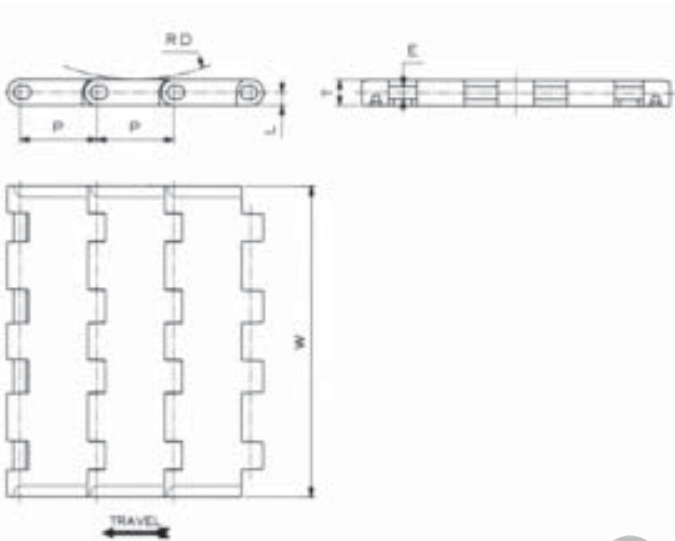


**UCC SERIES - DEDICATED WIDTH**

- 1 1/2" PITCH
- SOLID TOP

Stainless steel pins for ideal performance in heavy duty applications. A complete range of dedicated width chains. Completely closed surface, no gap between the modules, even when engaging the sprockets. Particularly suitable for glass bottles lines and glass manufacturing.

- **Module Materials** **DK<sup>2</sup>** **ULF**
- **Pin material:** Cold rolled austenitic stainless steel



Dimension	mm	inches
E	6,26	.246
L	6,35	.25
P	38,1	1.5
RD	40	1.575



Materials see page 12



Sprockets see page 224



Applications see page 18

**UCC (Solid top – 1 1/2" Pitch)**

REGINA PART NUMBER	CHAIN WIDTH W		PLATE THICKNESS T		WORKING LOAD (25°C/77°F)		CHAIN WEIGHT		MATERIAL
	mm	inches	mm	inches	N	lbs	kg/m	lbs/ft	
<b>D2K UCC 325 SS</b>	82,6	3.25	12,7	0.50	2505	563	1,37	0.92	REGINA DK <sup>2</sup>
<b>D2K UCC 450 SS</b>	114,3	4.50	12,7	0.50	3469	780	1,84	1.24	
<b>D2K UCC 600 SS</b>	152,4	6.00	12,7	0.50	4625	1,039	2,50	1.68	
<b>D2K UCC 750 SS</b>	190,5	7.50	12,7	0.50	5781	1,299	3,02	2.03	
<b>D2K UCC 1200 SS</b>	304,8	12.0	12,7	0.50	9270	2,083	4,88	3.28	
<b>D2K UCC 1500 SS</b>	381,0	15.0	12,7	0.50	11590	2,604	6,04	4.06	
<b>D2K UCC 1800 SS</b>	457,2	18.0	12,7	0.50	13900	3,123	7,26	4.88	
<b>D2K UCC 2400 SS</b>	609,6	24.0	12,7	0.50	18540	4,165	9,72	6.53	
<b>UCC 325 SS</b>	82,6	3.25	12,7	0.50	2505	563	1,34	0.90	
<b>UCC 450 SS</b>	114,3	4.50	12,7	0.50	3469	780	1,79	1.20	
<b>UCC 600 SS</b>	152,4	6.00	12,7	0.50	4625	1,039	2,43	1.63	
<b>UCC 750 SS</b>	190,5	7.50	12,7	0.50	5781	1,299	2,94	1.98	
<b>UCC 1200 SS</b>	304,8	12.0	12,7	0.50	9270	2,083	4,74	3.19	
<b>UCC 1500 SS</b>	381,0	15.0	12,7	0.50	11590	2,604	5,87	3.94	
<b>UCC 1800 SS</b>	457,2	18.0	12,7	0.50	13900	3,123	7,00	4.70	
<b>UCC 2400 SS</b>	609,6	24.0	12,7	0.50	18540	4,165	9,44	6.34	

Standard length: 3,048 m (10 feet).



**ULTOP®**

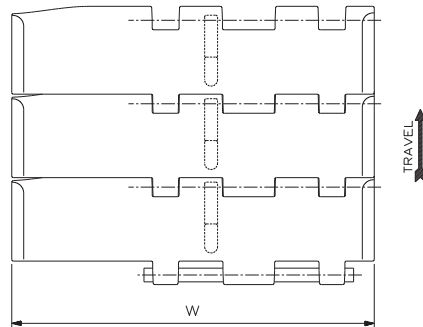
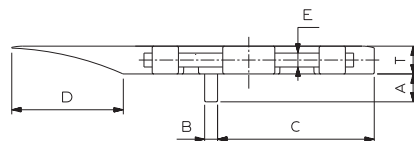
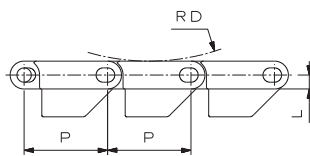
**UCCG ATM SERIES - ACTIVE TRANSFER MODULES**

- 1 1/2" PITCH
- SOLID TOP

Active transfer modules UCCG ATM allow transfer of products between two 90° conveyor tracks without using dead plates. The special wing shaped module profile supports the products dynamically during transfer on the take-away belt.



- Module Materials **DK<sup>2</sup>** **ULF**
- Pin material: Cold rolled austenitic stainless steel



Dimension	mm	inches
A	12,7	.5
B	5,9	.232
C(450)	71,4	2.811
C(750)	139,5	5.492
D	50,8	2
E	6,26	.246
L	6,35	.25
P	38,1	1.5
RD	40	.787

**UCCG ATM (Solid top - 1 1/2" Pitch)**



Materials see page 12



Sprockets see page 224



Applications see page 18

REGINA PART NUMBER	CHAIN WIDTH W		PLATE THICKNESS T		WORKING LOAD (25°C/77°F)		CHAIN WEIGHT		MATERIAL
	mm	inches	mm	inches	N	lbs	kg/m	lbs/ft	
<b>D2K UCC 450GATM SS</b>	165,1	6.5	12,7	0.50	3469	780	2,11	1.41	REGINA DK <sup>2</sup>
<b>D2K UCC 750GATM SS</b>	241,3	9.5	12,7	0.50	5781	1,299	3,26	2.19	
<b>UCC 450GATM SS</b>	165,1	6.5	12,7	0.50	3469	780	2,17	1.46	ULTRA LOW FRICTION POLYESTER RESIN (ULF)
<b>UCC 750GATM SS</b>	241,3	9.5	12,7	0.50	5781	1,299	3,38	2.27	

Standard length: 3,048 m (10 feet).



**ULTOP®**



**UCC 138 SERIES - DEDICATED WIDTHS**

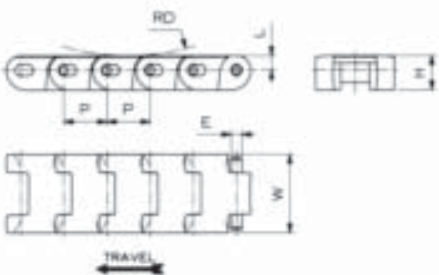
- 3/4" PITCH
- SOLID TOP

Optimum support of the conveyed products, no risk for flight detachment (compared to two piece chains).  
No gap between the flights even when engaging the sprockets.



- Module Materials **ULF**

- Pin material: Cold rolled austenitic stainless steel



Dimension	mm	inches
E	4,76	.187
L	6,35	.25
P	19,05	.750
RD	20	.787

**UCC 138 (Solid top - 3/4" Pitch)**



Materials  
see page 12



Sprockets  
see page 225



Applications  
see page 18

REGINA PART NUMBER	CHAIN WIDTH W		PLATE THICKNESS H		WORKING LOAD (25°C/77°F)		CHAIN WEIGHT		MATERIAL
	mm	inches	mm	inches	N	lbs	kg/m	lbs/ft	
<b>UCC 138 SS</b>	34,9	1.4	15,0	0.59	1225	275	0,68	0.46	ULTRA LOW FRICTION POLYESTER RESIN (ULF)

Standard length: 3,048 m (10 feet).