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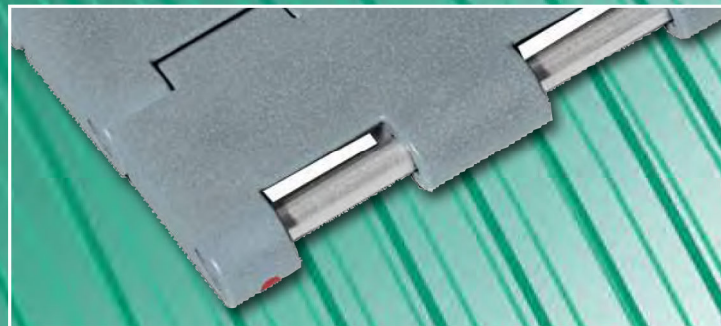
Heavy Duty Belts Series (Inch Standard)

USP



ULTOP®

UCC



UCC 138





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USP SERIES - 1" PITCH, HEAVY DUTY

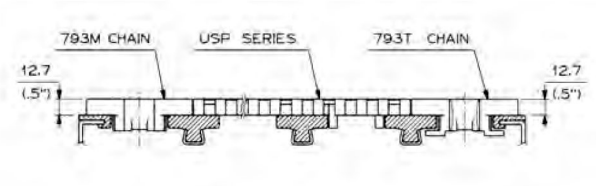
MODULAR PLASTIC BELTS - INCH STANDARD

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.



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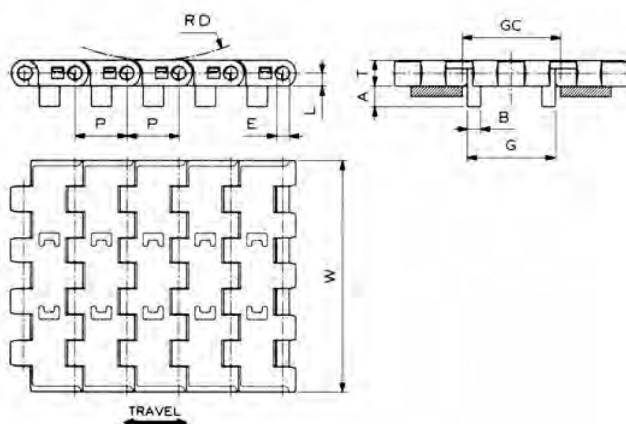


USP SERIES - DEDICATED WIDTHS

- 1" PITCH
- SOLID TOP

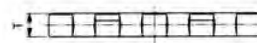
Completely closed surface, no gap between the modules, even when engaging on the sprockets.
Particularly suitable for glass products.

- Module Materials **UP** **DK²** **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



USP (Solid top – 1" Pitch)



Materials
see page 12



Sprockets
see pages 221÷223



Applications
see page 18

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	
USP UP 325	USPG UP 325	82,6	3.25	12,7	0.50	2500	562	1,24	0.83	ULTRA PERFORMANCE ACETAL RESIN (UP)
USP UP 450	USPG UP 450	114,3	4.50	12,7	0.50	3430	770	1,71	1.15	
USP UP 750	USPG UP 750	190,5	7.50	12,7	0.50	5710	1,280	2,73	1.83	
USP D2K 325	USPG D2K 325	82,6	3.25	12,7	0.50	2500	562	1,24	0.83	REGINA DK ²
USP D2K 450	USPG D2K 450	114,3	4.50	12,7	0.50	3430	770	1,71	1.15	
USP D2K 750	USPG D2K 750	190,5	7.50	12,7	0.50	5710	1,280	2,73	1.83	
USP AR 325	USPG AR 325	82,6	3.25	12,7	0.50	2500	562	1,17	0.79	ABRASION RESISTANT POLYAMIDE* (AR)
USP AR 450	USPG AR 450	114,3	4.50	12,7	0.50	3430	770	1,62	1.09	
USP AR 750	USPG AR 750	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)



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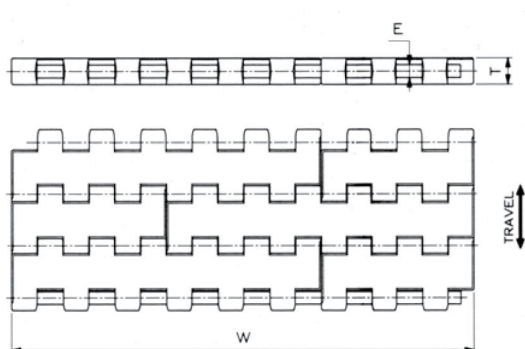
USP SERIES - MODULAR BELTS

- 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 D2K 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 ²		MATERIAL: ABRASION RESISTANT POLYAMIDE* (AR)		BELT WEIGHT	
		REGINA PART NUMBER		REGINA PART NUMBER		REGINA PART NUMBER			
mm	inches				kg/m lbs/ft			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.



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USPG ATM SERIES - ACTIVE TRANSFER MODULES

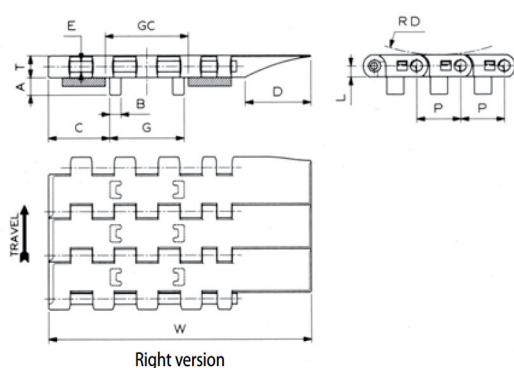
- 1" PITCH
- SOLID TOP

To be used in combination with USP belts series.

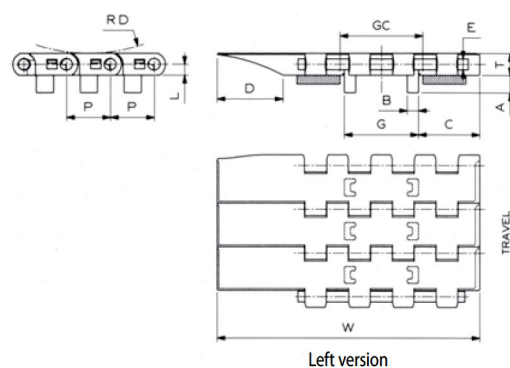
Active transfer modules USP ATM series allow the transfer of the products between two 90° conveyor tracks without using dead plates. The special module profile, wing shaped, supports the products dynamically during transfer on the take-away belt. Available left and right version.



- Module Materials **UP** **DK²** **AR**
- Pin material: PBT



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



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 ²
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
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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 ²
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)



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UCC SERIES - 1 ½" PITCH, HEAVY DUTY

DEDICATED WIDTHS - INCH STANDARD

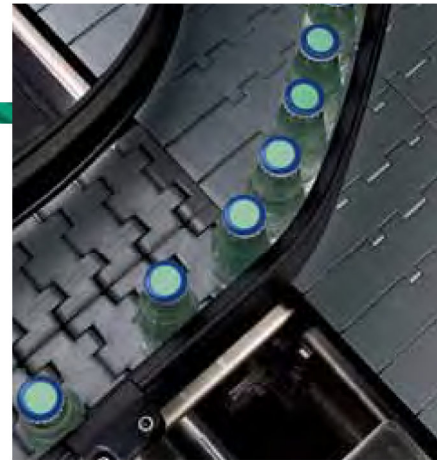
Installation guidelines

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

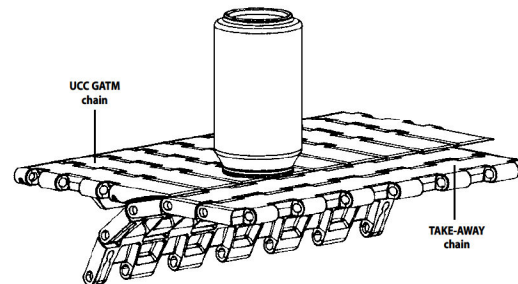
Smooth and uniform surface, special edge profiles

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 assembly/disassembly 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.





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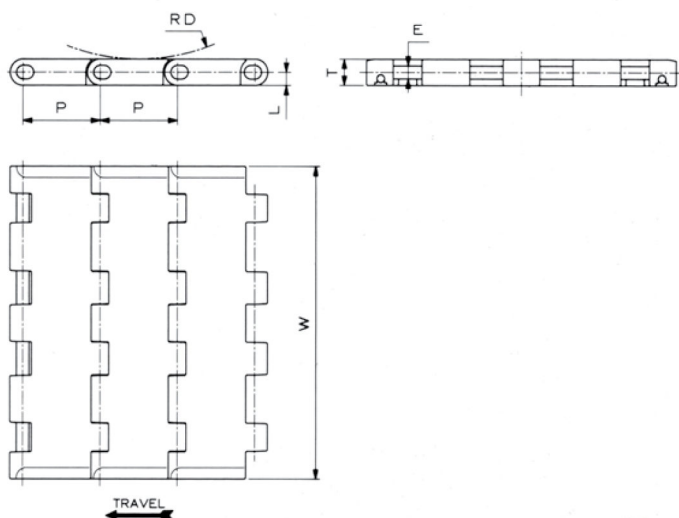
UCC SERIES - DEDICATED WIDTH

- 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  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	
D2K UCC 325 SS	82,6	3.25	12,7	0.50	2505	563	1,37	0.92	REGINA DK²
D2K UCC 450 SS	114,3	4.50	12,7	0.50	3469	780	1,84	1.24	
D2K UCC 600 SS	152,4	6.00	12,7	0.50	4625	1,039	2,50	1.68	
D2K UCC 750 SS	190,5	7.50	12,7	0.50	5781	1,299	3,02	2.03	
D2K UCC 1200 SS	304,8	12.0	12,7	0.50	9270	2,083	4,88	3.28	
D2K UCC 1500 SS	381,0	15.0	12,7	0.50	11590	2,604	6,04	4.06	
D2K UCC 1800 SS	457,2	18.0	12,7	0.50	13900	3,123	7,26	4.88	
D2K UCC 2400 SS	609,6	24.0	12,7	0.50	18540	4,165	9,72	6.53	ULTRA LOW FRICTION POLYESTER RESIN (ULF)
UCC 325 SS	82,6	3.25	12,7	0.50	2505	563	1,34	0.90	
UCC 450 SS	114,3	4.50	12,7	0.50	3469	780	1,79	1.20	
UCC 600 SS	152,4	6.00	12,7	0.50	4625	1,039	2,43	1.63	
UCC 750 SS	190,5	7.50	12,7	0.50	5781	1,299	2,94	1.98	
UCC 1200 SS	304,8	12.0	12,7	0.50	9270	2,083	4,74	3.19	
UCC 1500 SS	381,0	15.0	12,7	0.50	11590	2,604	5,87	3.94	
UCC 1800 SS	457,2	18.0	12,7	0.50	13900	3,123	7,00	4.70	
UCC 2400 SS	609,6	24.0	12,7	0.50	18540	4,165	9,44	6.34	

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

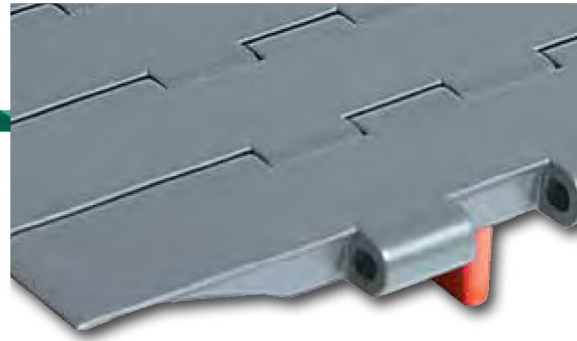


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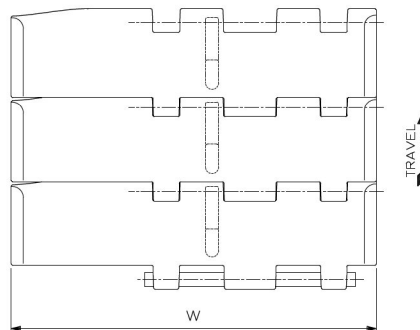
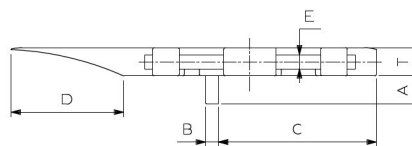
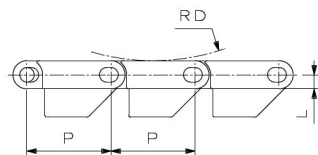
UCCG ATM SERIES - ACTIVE TRANSFER MODULES

- 1 ½" 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 **DK2[®]** **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 ½" 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	
D2K UCC 450GATM SS	165,1	6.5	12,7	0.50	3469	780	2,11	1.41	REGINA DK ²
D2K UCC 750GATM SS	241,3	9.5	12,7	0.50	5781	1,299	3,26	2.19	
UCC 450GATM SS	165,1	6.5	12,7	0.50	3469	780	2,17	1.46	ULTRA LOW FRICTION POLYESTER RESIN (ULF)
UCC 750GATM SS	241,3	9.5	12,7	0.50	5781	1,299	3,38	2.27	

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



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UCC 138 SERIES - DEDICATED WIDTHS

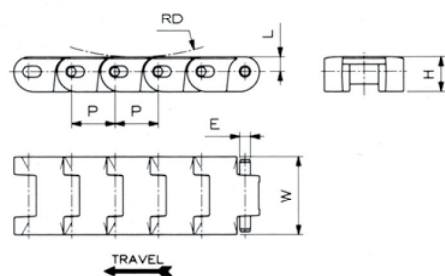
- $\frac{3}{4}$ " PITCH
- SOLID TOP

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 - $\frac{3}{4}$ " Pitch)



Materials
see page 12



Sprockets
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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	
UCC 138 SS	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).