

**DRINKTEC EDITION 2013**



**REGINA  
CHAIN**

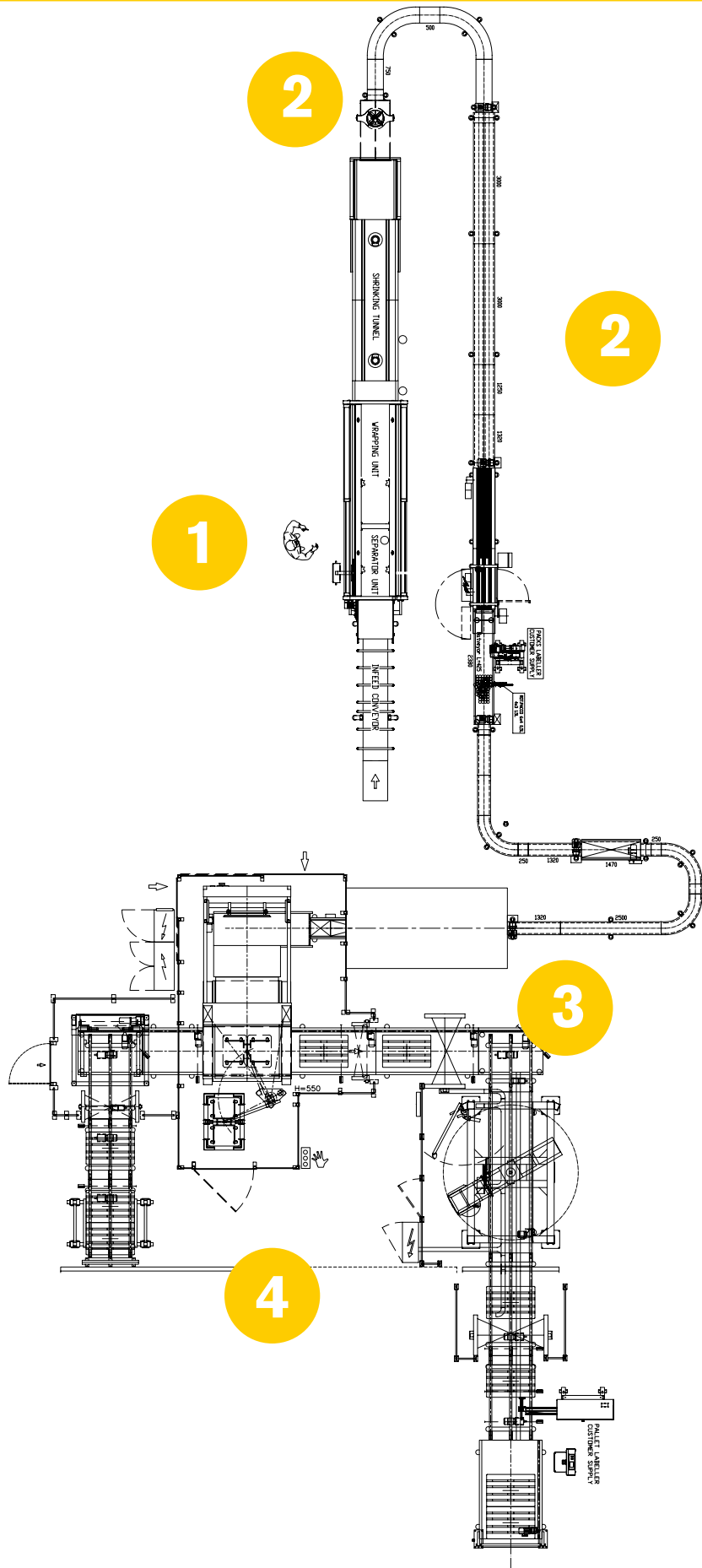
**PERFORMANCE IN MOTION**



**PRODUCTS PORTFOLIO  
FOR PACKAGING LINES**

# Bottling line.

## Basic layout of the “dry” (packaging) part.



LINE SECTION	AREA	RECOMMENDED REGINA PRODUCT - SERIES			
1 Shrink wrap machine or Wrap around case packer	1A Machine infeed	SHORT PITCH BELTS	 600	 500	
	1B Product grouping -Conveying-	RAISED RIB CHAINS	 RR 1600	 RR 845	 HF RR 845
	1C Product grouping -Separation-	ENDURO CHAINS	 140BS / 147BS		
	1D Film handling (Only for shrink wrap machine)	ENDURO CHAINS	 140BS		
	1E Blank feeding (Only for wrap around case packer)	ENDURO CHAINS	 226BS		
	1F Carton forming -Folding and wrapping around- (Only for wrap around case packer)	ENDURO CHAINS	 140BS / 147BS		
2 Conveyors from packaging machine to palletising area	2A Sideflexing 180° packaged product conveying	SIDEFLEXING BELTS	 2555HTB		
	2B Packaged products conveying with accumulation pressure	LBP CHAINS & BELTS	 LBP USPM	 LBP 8257	 LBP 882M - LBP 882T
	2C Packaged product conveying without accumulation pressure	HEAVY DUTY CHAINS & BELTS	 USPM	 8257	 882M - 882T
	2D Inclined conveying	RUBBERIZED HEAVY DUTY CHAINS & BELTS	 HF USPM	 HFX 8257	 HFX 882M - HFX 882T
	2E Metering conveying	SHORT PITCH RUBBERIZED BELTS	 HF 500		
3 Palletising area Layer formation system	3A Layer formation	SHORT PITCH BELTS	 600		
4 Palletising machine	4A Palletiser	CHROMA CHAINS	 147CH / 247CH		

1A

# Machine infeed.



**APPLICATION PECULIAR FEATURES**

- HEAD TRANSFER
- PRODUCT ACCUMULATION

**CHAIN / BELT IDEAL FEATURES**

- SHORT PITCH TO REDUCE DEAD PLATES
- BOTTOM SURFACE MAXIMIZED TO REDUCE CHAIN/BELT WEAR

	600 SERIES	500 SERIES
REGINA PRODUCT RECOMMENDATION		
PITCH	12,7 mm (1/2")	12,7 mm (1/2")
MODULE THICKNESS	8,7 mm (.34")	8,7 mm (.34")
WIDTHS	85 mm (3.35") std increments	85 mm (3.35") std increments
SURFACE	Solid top	Flush grid (open area 21%)
MODULE MATERIALS	<ul style="list-style-type: none"> <li>■ UP Ultra Performance POM</li> <li>■ PP Special polypropylene</li> </ul>	<ul style="list-style-type: none"> <li>■ UP Ultra Performance POM</li> <li>■ PP Special polypropylene</li> </ul>
PIN MATERIALS	Standard application: PP High cycles application: PBT	Standard application: PP High cycles application: PBT

1B

# Products grouping. -Conveying-



**APPLICATION PECULIAR FEATURES**

- PRODUCT ACCUMULATION IN SINGLE LINES

**CHAIN / BELT IDEAL FEATURES**

- RELIABLE BOTTLE SUPPORT
- BALANCED RATIO BETWEEN RIBS THICKNESS AND RIBS SPACING


	RR 1600 SERIES	RR 845 SERIES	HF RR 845 SERIES
REGINA PRODUCT RECOMMENDATION			
PITCH	25,4 mm (1")	12,7 mm (1/2")	12,7 mm (1/2")
THICKNESS	14,3 mm (.56")	12,2 mm (.48")	12,2 mm (.48")
WIDTHS	30 mm (1.18") / 38,5 mm (1.52") 47 mm (1.85") / 58 mm (2.28")	40 mm (1.57") 53,6 mm (2.11")	55,5 mm (2.18")
SURFACE	Raised rib	Raised rib	Rubberized raised rib
PLATE MATERIALS	<ul style="list-style-type: none"> <li>■ UP Ultra Performance POM</li> <li>■ PP Special polypropylene</li> </ul>	<ul style="list-style-type: none"> <li>■ UP Ultra Performance POM</li> <li>■ PP Special polypropylene</li> </ul>	<ul style="list-style-type: none"> <li>■ PP Special polypropylene</li> </ul>
PIN MATERIAL	PBT	n/a	n/a
BASE CHAIN MATERIAL	n/a	Carbon steel with FDA nickel plating	Carbon steel with FDA nickel plating
RUBBER MATERIAL	n/a	n/a	Thermoplastic (50 ShA hardness)

Shrink wrap machine / Wrap around case packer.

# Products grouping. -Separation-

1C

<b>APPLICATION PECULIAR FEATURES</b>	<b>CHAIN / BELT IDEAL FEATURES</b>
<ul style="list-style-type: none"> <li>■ PRODUCT SEPARATION AND ACCELERATION</li> <li>■ NO BOTTLES CONTAMINATION WITH CHAINS LUBRICATION OIL</li> </ul>	<ul style="list-style-type: none"> <li>■ MAINTENANCE FREE</li> <li>■ CORROSION RESISTANCE</li> <li>■ HIGH TOLERANCE ACCURACY IN CHAIN LENGTH BETWEEN SPACERS</li> </ul>


	<b>140BS / 147BS SERIES</b>
<b>REGINA PRODUCT RECOMMENDATION</b>	
<b>TYPE</b>	Chains with hollow / extended pins
<b>PITCH</b>	19,05 mm (3/4") - 140BS series 25,4 mm (1") - 147BS series
<b>MATERIALS</b>	Sintered oil impregnated bushing (USDA H1 food approved lubricant) Coated Plates / Rollers for better resistance to mildly aggressive environment Pins in alloy steel carburized / chemically nickel coated
<b>OTHER FEATURES AND BENEFITS</b>	High performance self lubricated chain High tolerance accuracy in chain length between spacers Taylor-made attachments

# Film handling. (only for shrink wrap machine)

1D



<b>APPLICATION PECULIAR FEATURES</b>	<b>CHAIN / BELT IDEAL FEATURES</b>
<ul style="list-style-type: none"> <li>■ NO BOTTLES CONTAMINATION WITH CHAINS LUBRICATION OIL</li> <li>■ HIGH SPEEDS</li> </ul>	<ul style="list-style-type: none"> <li>■ MAINTENANCE FREE</li> <li>■ CORROSION RESISTANCE</li> <li>■ HIGH TOLERANCE ACCURACY IN CHAIN LENGTH BETWEEN SPACERS</li> </ul>


	<b>140BS SERIES</b>
<b>REGINA PRODUCT RECOMMENDATION</b>	
<b>TYPE</b>	Chains with hollow / extended pins
<b>PITCH</b>	19,05 mm (3/4")
<b>MATERIALS</b>	Sintered oil impregnated bushing (USDA H1 food approved lubricant) Coated Plates / Rollers for better resistance to mildly aggressive environment Pins in alloy steel carburized / chemically nickel coated
<b>OTHER FEATURES AND BENEFITS</b>	High performance self lubricated chain High tolerance accuracy in chain length between spacers Taylor-made attachments

1E

Wrap around case packer.  
**Blank feeding.**



<b>APPLICATION PECULIAR FEATURES</b>	<b>CHAIN / BELT IDEAL FEATURES</b>
<ul style="list-style-type: none"> <li>■ PRESENCE OF CARTON POWDER</li> <li>■ NO CARDBOARD CONTAMINATION WITH CHAINS LUBRICATION OIL</li> </ul>	<ul style="list-style-type: none"> <li>■ MAINTENANCE FREE</li> <li>■ CORROSION RESISTANCE</li> <li>■ HIGH TOLERANCE ACCURACY IN CHAIN LENGTH BETWEEN SPACERS</li> </ul>

	226BS SERIES
REGINA PRODUCT RECOMMENDATION	
TYPE	Chains with pushers
PITCH	12,7 mm (1/2")
MATERIALS	Sintered oil impregnated bushing (USDA H1 food approved lubricant) Coated Plates / Rollers for better resistance to mildly aggressive environment Pins in alloy steel carburized / chemically nickel coated
OTHER FEATURES AND BENEFITS	High performance self lubricated chain High tolerance accuracy in chain length between spacers

1F

**Carton forming.**  
**-Folding and wrapping around-**



<b>APPLICATION PECULIAR FEATURES</b>	<b>CHAIN / BELT IDEAL FEATURES</b>
<ul style="list-style-type: none"> <li>■ PRESENCE OF CARTON POWDER</li> <li>■ NO CARDBOARD CONTAMINATION WITH CHAINS LUBRICATION OIL</li> </ul>	<ul style="list-style-type: none"> <li>■ MAINTENANCE FREE</li> <li>■ CORROSION RESISTANCE</li> <li>■ HIGH TOLERANCE ACCURACY IN CHAIN LENGTH BETWEEN SPACERS</li> </ul>

	140BS / 147BS SERIES
REGINA PRODUCT RECOMMENDATION	
TYPE	Chains with pushers and/or hollow pins
PITCH	19,05 mm (3/4") - 140BS SERIES 25,4 mm (1") - 147BS SERIES
MATERIALS	Sintered oil impregnated bushing (USDA H1 food approved lubricant) Coated Plates / Rollers for better resistance to mildly aggressive environment Pins in alloy steel carburized / chemically nickel coated
OTHER FEATURES AND BENEFITS	1" pitch narrow chain available to reduce the minimum pack size Chain available with plastic or rubber carrier for carton support

Conveyors from packaging machine to palletising area.

# Sideflexing 180° packaged products conveying.

2A



### APPLICATION PECULIAR FEATURES

- 180° TURNING CONVEYOR
- HIGH PRODUCT LOAD
- NO PRODUCT ACCUMULATION

### CHAIN / BELT IDEAL FEATURES

- TURNING RADIUS MINIMIZED
- HIGH MECHANICAL STRENGTH
- HIGH WEAR RESISTANCE
- HIGH ELONGATION RESISTANCE

	2555HTB SERIES
REGINA PRODUCT RECOMMENDATION	 
GUIDE SYSTEM	TAB + Bearing
PITCH	31,75 mm (1 1/4")
MODULE THICKNESS	12,7 mm (.50")
WIDTHS	85 mm (3.35") std increments
RATIO BETWEEN INNER RADIUS & BELT WIDTH	from 1,8 to 1,2
MODULE MATERIALS	<b>UP</b> Ultra Performance POM
PIN MATERIAL	PBT

# Packaged product conveying with accumulation pressure.

2B




### APPLICATION PECULIAR FEATURES

- LOW SPEED
- PRODUCT ACCUMULATION
- HIGH PRODUCT LOAD

### CHAIN / BELT IDEAL FEATURES

- HIGH MECHANICAL STRENGTH
- LOW COEFFICIENT OF FRICTION
- LOW NOISE LEVEL

Matveyor BELTS STANDARD	LBP USPM SERIES
REGINA PRODUCT RECOMMENDATION	
PITCH	25,4 mm (1")
MODULE THICKNESS	12,7 mm (1/2")
WIDTHS	85 mm (3.35") std increments
SURFACE	LBP rollers with optimized shape for low noise
MODULE MATERIALS	<b>UP</b> Ultra Performance POM
PIN MATERIAL	PBT
OTHER FEATURES AND BENEFITS	Belt available both with or without tracking guide

Conveyors from packaging machine to palletising area.

2B

# Packaged product conveying with accumulation pressure.



APPLICATION PECULIAR FEATURES	CHAIN / BELT IDEAL FEATURES
<ul style="list-style-type: none"> <li>■ LOW SPEED</li> <li>■ PRODUCT ACCUMULATION</li> <li>■ HIGH PRODUCT LOAD</li> </ul>	<ul style="list-style-type: none"> <li>■ HIGH MECHANICAL STRENGTH</li> <li>■ LOW COEFFICIENT OF FRICTION</li> <li>■ LOW NOISE LEVEL</li> </ul>


FliteTop CHAINS STANDARD	LBP 8257 SERIES	LBP 882M SERIES	LBP 882T SERIES
REGINA PRODUCT RECOMMENDATION			
TYPE	Straight running, Heavy duty single hinge	Sideflexing magnetic, Heavy duty single hinge	Sideflexing TAB, Heavy duty single hinge
PITCH	38,1 mm (1 1/2")	38,1 mm (1 1/2")	38,1 mm (1 1/2")
PLATE THICKNESS	4,8 mm (.19")	4,8 mm (.19")	4,8 mm (.19")
WIDTHS	190,5 mm (7 1/2"), 254 mm (10"), 304,8 mm (12")	190,5 mm (7 1/2"), 254 mm (10"), 304,8 mm (12")	95,3 mm (3 3/4"), 114,3 mm (4 1/2"), 190,5 mm (7 1/2"), 254 mm (10"), 304,8 mm (12")
SURFACE	LBP rollers with optimized shape for low noise	LBP rollers with optimized shape for low noise	LBP rollers with optimized shape for low noise
PLATE MATERIALS	<b>UP</b> Ultra Performance POM	<b>UP</b> Ultra Performance POM	<b>UP</b> Ultra Performance POM
PIN MATERIALS	Cold rolled austenitic stainless steel	Magnetic stainless steel	Cold rolled austenitic stainless steel

2C

# Packaged product conveying without accumulation pressure.



APPLICATION PECULIAR FEATURES	CHAIN / BELT IDEAL FEATURES
<ul style="list-style-type: none"> <li>■ LOW SPEED</li> <li>■ NO PRODUCT ACCUMULATION</li> <li>■ HIGH PRODUCT LOAD</li> </ul>	<ul style="list-style-type: none"> <li>■ RESISTANCE TO WEAR AND ELONGATION</li> <li>■ HIGH MECHANICAL STRENGTH</li> </ul>

Matveyor BELTS STANDARD	USPM SERIES
REGINA PRODUCT RECOMMENDATION	
PITCH	25,4 mm (1")
MODULE THICKNESS	12,7 mm (1/2")
WIDTHS	85 mm (3.35") std increments
SURFACE	Solid top
MODULE MATERIALS	<b>UP</b> Ultra Performance POM
PIN MATERIAL	PBT
OTHER FEATURES AND BENEFITS	Flat bottom surface of the module triggering continuous contact between belt and wear strips Belt available both with or without tracking guide



Conveyors from packaging machine to palletising area.

# Packaged product conveying without accumulation pressure.

2C






### APPLICATION PECULIAR FEATURES

- LOW SPEED
- NO PRODUCT ACCUMULATION
- HIGH PRODUCT LOAD

### CHAIN / BELT IDEAL FEATURES

- RESISTANCE TO WEAR AND ELONGATION
- HIGH MECHANICAL STRENGTH

<b>FliteTop CHAINS STANDARD</b>	<b>8257 SERIES</b>	<b>882M SERIES</b>	<b>882T SERIES</b>
<b>REGINA PRODUCT RECOMMENDATION</b>			
<b>TYPE</b>	Straight running, Heavy duty single hinge	Sideflexing magnetic, Heavy duty single hinge	Sideflexing TAB, Heavy duty single hinge
<b>PITCH</b>	38,1 mm (1 1/2")	38,1 mm (1 1/2")	38,1 mm (1 1/2")
<b>PLATE THICKNESS</b>	4,8 mm (.19")	4,8 mm (.19")	4,8 mm (.19")
<b>WIDTHS</b>	190,5 mm (7 1/2"), 254 mm (10"), 304,8 mm (12")	190,5 mm (7 1/2"), 254 mm (10"), 304,8 mm (12")	114,3 mm (4 1/4"), 190,5 mm (7 1/2"), 254 mm (10"), 304,8 mm (12")
<b>SURFACE</b>	Solid top	Solid top	Solid top
<b>PLATE MATERIALS</b>	<b>UP</b> Ultra Performance POM	<b>UP</b> Ultra Performance POM	<b>UP</b> Ultra Performance POM
<b>PIN MATERIALS</b>	Cold rolled austenitic stainless steel	Magnetic stainless steel	Cold rolled austenitic stainless steel

# Inclined conveying.

2D




### APPLICATION PECULIAR FEATURES

- INCLINED PRODUCTS CONVEYING
- HEAD TRANSFER
- HIGH PRODUCT LOAD

### CHAIN / BELT IDEAL FEATURES

- RESISTANCE TO WEAR AND ELONGATION
- HIGH COEFFICIENT OF FRICTION
- HIGH MECHANICAL STRENGTH
- RELIABLE RUBBER PADS

<b>Matveyor BELTS STANDARD</b>	<b>HF USPM SERIES</b>
<b>REGINA PRODUCT RECOMMENDATION</b>	
<b>PITCH</b>	25,4 mm (1")
<b>MODULE THICKNESS</b>	12,7 mm (1/2")
<b>WIDTHS</b>	85 mm (3.35") std increments
<b>SURFACE</b>	Rubberized
<b>MODULE MATERIALS</b>	<b>UP</b> Ultra Performance POM - <b>PP</b> Special polypropylene
<b>PIN MATERIAL</b>	PBT
<b>RUBBER MATERIAL</b>	Thermoplastic high friction (70 ShA hardness for UP and 50 ShA hardness for PP)
<b>OTHER FEATURES AND BENEFITS</b>	Flat bottom surface of the module triggering continuous contact between belt and wear strips Belt available both with or without tracking guide

Conveyors from packaging machine to palletising area.

2D

# Inclined conveying.

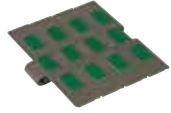

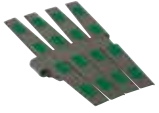


### APPLICATION PECULIAR FEATURES

- INCLINED PRODUCTS CONVEYING
- HEAD TRANSFER
- HIGH PRODUCT LOAD

### CHAIN / BELT IDEAL FEATURES

- RESISTANCE TO WEAR AND ELONGATION
- HIGH COEFFICIENT OF FRICTION
- HIGH MECHANICAL STRENGTH
- RELIABLE RUBBER PADS

<b>FliteTop CHAINS STANDARD</b>	<b>HFX 8257 SERIES</b>	<b>HFX 882M SERIES</b>	<b>HFX 882T SERIES</b>
<b>REGINA PRODUCT RECOMMENDATION</b>			
<b>TYPE</b>	Straight running, Heavy duty single hinge	Sideflexing magnetic, Heavy duty single hinge	Sideflexing TAB, Heavy duty single hinge
<b>PITCH</b>	38,1 mm (1 1/2")	38,1 mm (1 1/2")	38,1 mm (1 1/2")
<b>PLATE THICKNESS</b>	4,8 mm (.19")	4,8 mm (.19")	4,8 mm (.19")
<b>WIDTH</b>	190,5 mm (7 1/2"), 254 mm (10"), 304,8 mm (12")	190,5 mm (7 1/2"), 254 mm (10"), 304,8 mm (12")	114,3 mm (4 1/2"), 190,5 mm (7 1/2"), 254 mm (10"), 304,8 mm (12")
<b>SURFACE</b>	Rubberized	Rubberized	Rubberized
<b>PLATE MATERIALS</b>	<b>UP</b> Ultra Performance POM	<b>UP</b> Ultra Performance POM	<b>UP</b> Ultra Performance POM
<b>PIN MATERIALS</b>	Cold rolled austenitic stainless steel	Magnetic stainless steel	Cold rolled austenitic stainless steel
<b>RUBBER MATERIAL</b>	Thermoplastic high friction (70 ShA hardness)	Thermoplastic high friction (70 ShA hardness)	Thermoplastic high friction (70 ShA hardness)

2E

# Metering conveying.




### APPLICATION PECULIAR FEATURES

- DISTRIBUTION OF PACKS AT REGULAR DISTANCES
- HEAD TRANSFER
- NO PRODUCT ACCUMULATION

### CHAIN / BELT IDEAL FEATURES

- WEAR AND ELONGATION RESISTANCE
- HIGH COEFFICIENT OF FRICTION
- RELIABLE RUBBER PADS
- SHORT PITCH TO REDUCE DEAD PLATES

	<b>HF 500 SERIES</b>
<b>REGINA PRODUCT RECOMMENDATION</b>	
<b>PITCH</b>	12,7 mm (1/2")
<b>MODULE THICKNESS</b>	8,7 mm (.34")
<b>WIDTHS</b>	50,8 mm (2"), 85 mm (3.35") std increments
<b>SURFACE</b>	Rubberized
<b>MODULE MATERIALS</b>	<b>PP</b> Special polypropylene
<b>PIN MATERIAL</b>	PBT
<b>RUBBER MATERIAL</b>	Thermoplastic high friction (50 ShA hardness)

Palletising area, layer formation system.

# Layer formation.

3A




### APPLICATION PECULIAR FEATURES

- LOW SPEED
- HEAD TRANSFER
- NO PRODUCT ACCUMULATION

### CHAIN / BELT IDEAL FEATURES

- SHORT PITCH TO REDUCE DEAD PLATES
- BOTTOM SURFACE MAXIMIZED TO REDUCE CHAIN / BELT WEAR
- ELONGATION RESISTANCE

	<b>600 SERIES</b>
REGINA PRODUCT RECOMMENDATION	
PITCH	12,7 mm (1/2")
MODULE THICKNESS	8,7 mm (.34")
WIDTHS	85 mm (3.35") std increments
SURFACE	Solid top
MODULE MATERIALS	<b>UP</b> Ultra Performance POM <b>PP</b> Special polypropylene
PIN MATERIAL	Standard applications: PP High cycles applications: PBT

Palletising machine.

# Palletiser

4A



### APPLICATION PECULIAR FEATURES

- LIFT PALLETS
- HEAVY LOADS

### CHAIN / BELT IDEAL FEATURES

- HIGH MECHANICAL AND FATIGUE STRENGTH
- HIGH STIFFNESS
- HIGH TOLERANCE ACCURACY IN CHAIN LENGTH
- CE CERTIFICATION

	<b>CHROMA SERIES</b>
REGINA PRODUCT RECOMMENDATION	
TYPE	Single or double strand chains
PITCH	25,4 mm (1")
MATERIALS	Cromized pins Shaped bushings Special lubrication with BHD oil
OTHER FEATURES AND BENEFITS	High fatigue strength and elongation resistance Chains available with customized attachments Delivered with CE certificate

# DRINKTEC EDITION 2013



**REGINA  
CHAIN**

**PERFORMANCE IN MOTION**

## ITALY

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