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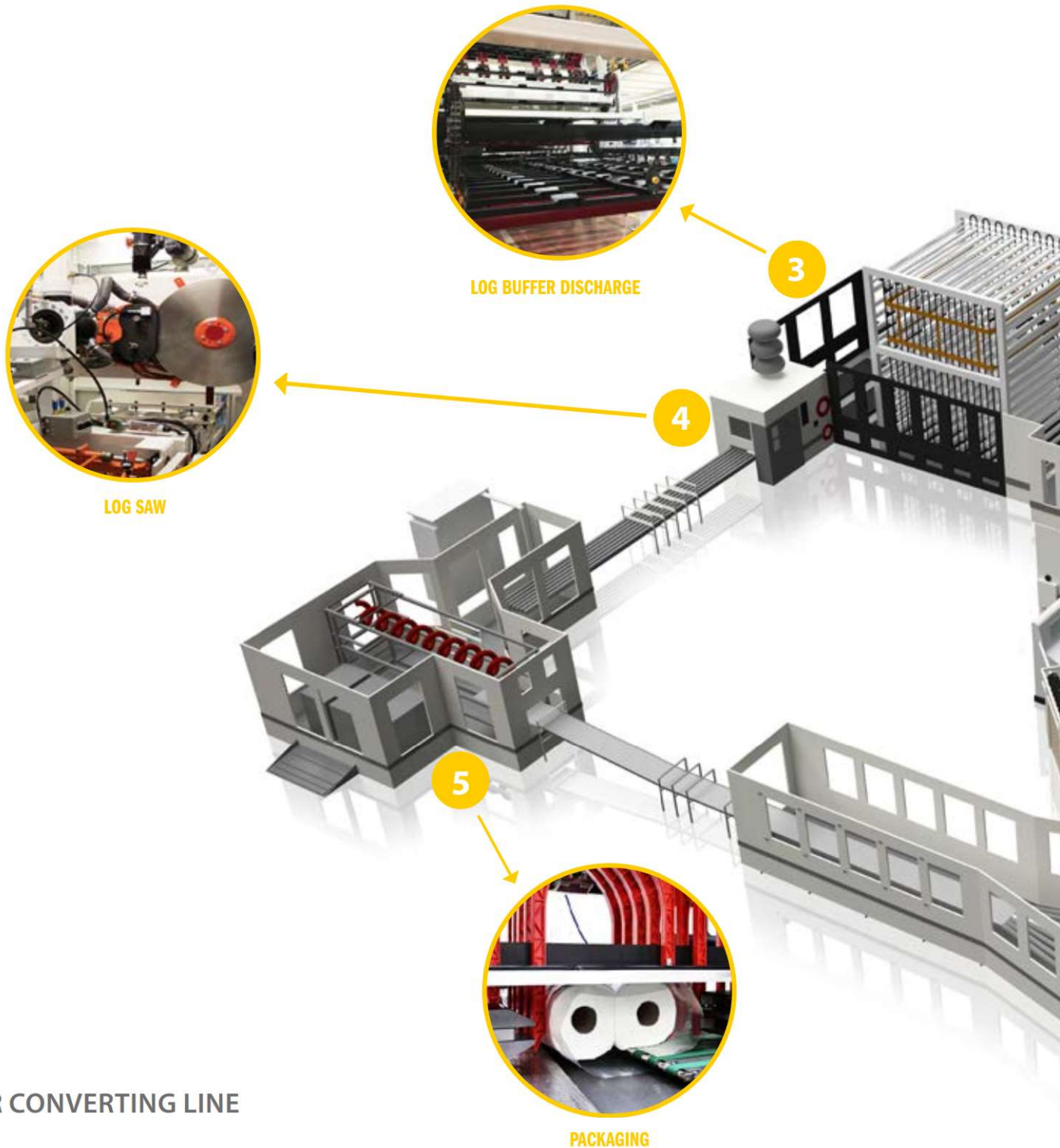
Chains for Paper Converting



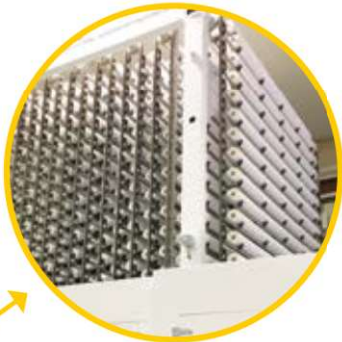
Chains for Paper Converting

Tissue Roll Production

Regina has been manufacturing a full range of special chains dedicated to the paper converting industry for more than 20 years. Closely cooperating with leading industry OEMs and End Users, Regina developed a specific know-how of the chains typically used for tissue roll production: from the core buffering to the packaging of the finished products.

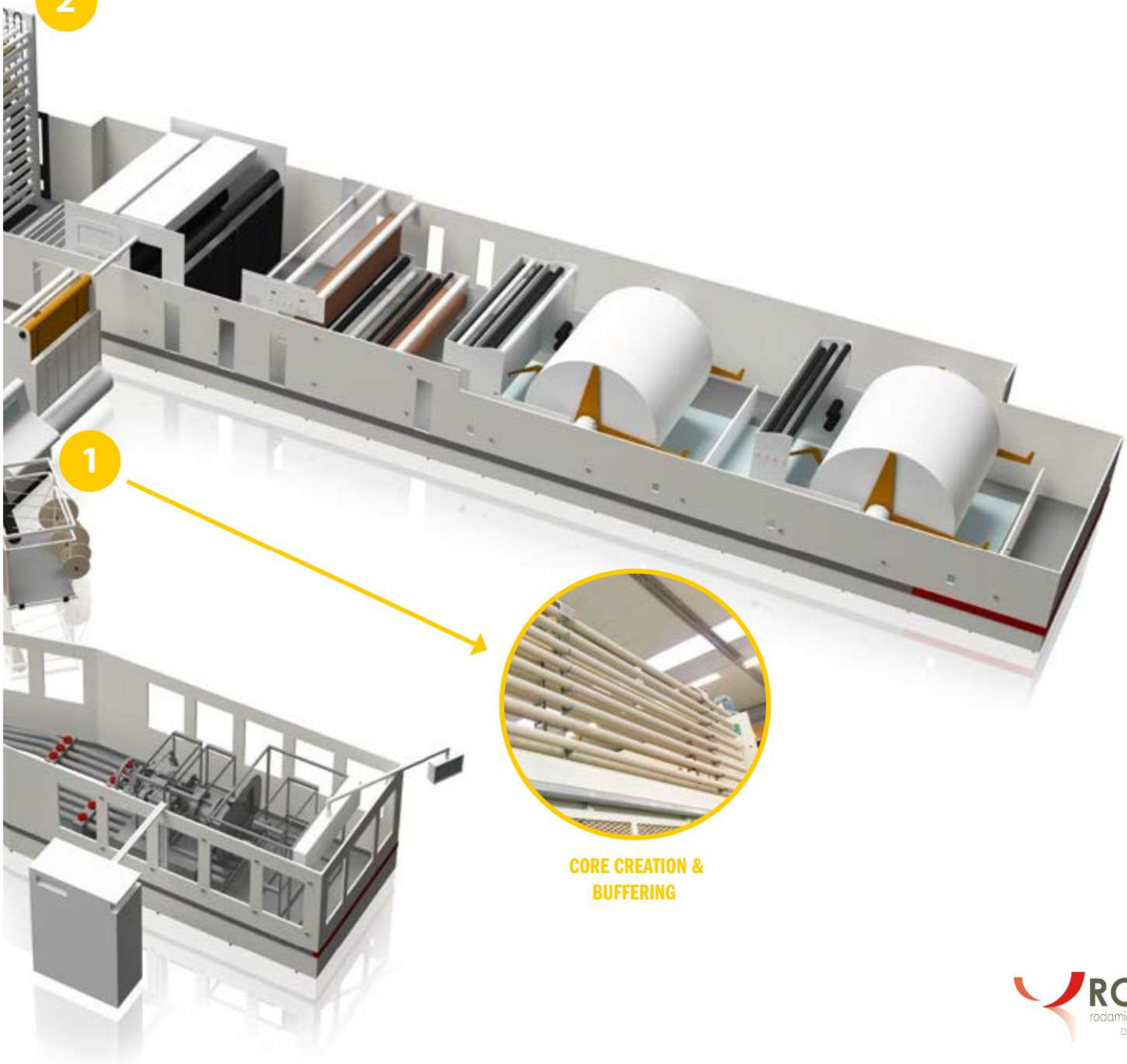


PAPER CONVERTING LINE



LOG BUFFER

2



1



CORE CREATION &
BUFFERING

ALL THE CHAINS USED IN THE 5 SECTIONS OF THE PAPER CONVERTING LINE ARE AVAILABLE IN:

- **STANDARD** BASE CHAIN (REGULAR LUBRICATION)
- **ENDURO** MAINTENANCE - FREE BASE CHAIN

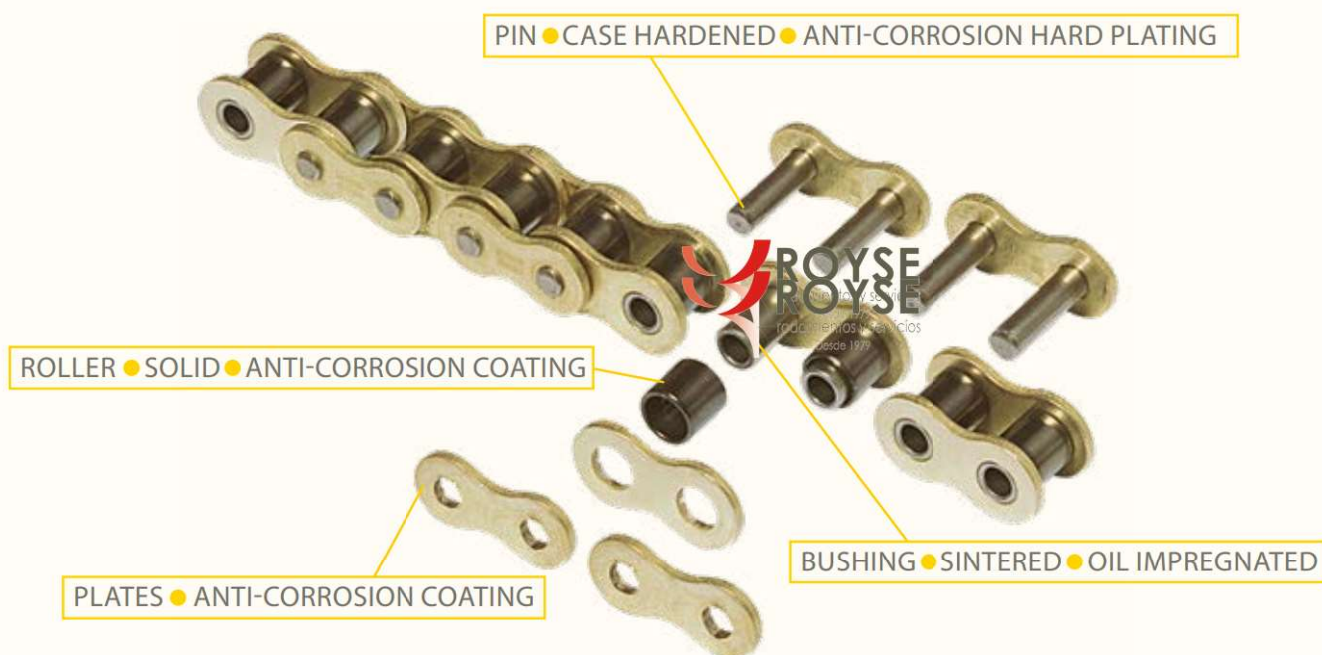


ENDURO MAINTENANCE FREE CHAINS (PREMIUM)

Designed to work in "LUBE-FREE" applications without periodic maintenance, Regina ENDURO chains are ideal for applications where regular lubrication is difficult or not allowed and where product contamination has to be avoided.



NO OIL
CONTAMINATION
&
NO PAPER POWDER
STICKING



BENEFITS

- Dramatic wear life increase compared to standard chains in un-lubricated conditions
- Eliminate need for periodic lubrication
- No product or equipment contamination
- Savings in lubrication and maintenance costs



1 CORE CREATION & BUFFERING

Buffering of the carton cores through multiple chains running in parallel. Chains are equipped with specific tower plates and are matched for an even support of the cores.

APPLICATION SPECIFIC FEATURES

- Dusty environment
- Lubrication not allowed
- Avoid product contamination



Examples for core creation & buffering

ISO 10B-1 - 15,875 mm - 5/8" PITCH

TOWER SHAPED PLATE mod. "145"



TOWER SHAPED PLATE WITH EXTENDED PINS mod. "1027"



TOWER SHAPED PLATE mod. "1029"

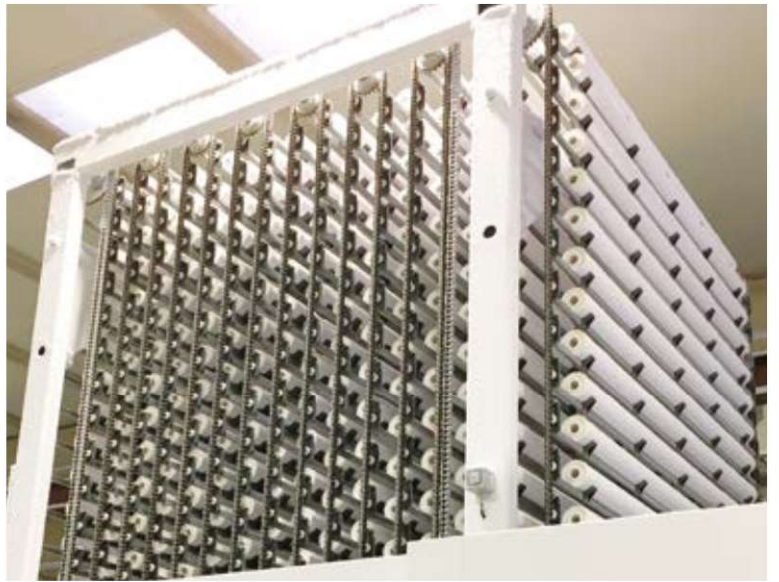


2 LOG BUFFER

First-In First-Out buffering section efficiently regulates the rhythm of the line. The accumulator is located after the rewinder and before the log saw, and it employs two chains running in parallel, 1" or 1" ¼ pitch with extended pins, to secure the log gondola.

APPLICATION SPECIFIC FEATURES

- Dusty environment
- Long center distance
- Lubrication is troublesome
- Matched chains for gondola alignment



Examples for log buffer

ISO 16B-1 - 25,4 mm - 1" PITCH

EXTENDED PIN mod. "2042"



EXTENDED PIN mod. "257"



EXTENDED PIN mod. "256"



EXTENDED PIN mod. "2028"



EXTENDED PIN mod. "2045-2046"



EXTENDED PIN mod. "2011"



EXTENDED PIN mod. "288"



EXTENDED PIN mod. "2005-2006"



3 LOG BUFFER DISCHARGE

Horizontal log conveyor that connects the buffer to the log saw station.

APPLICATION SPECIFIC FEATURES

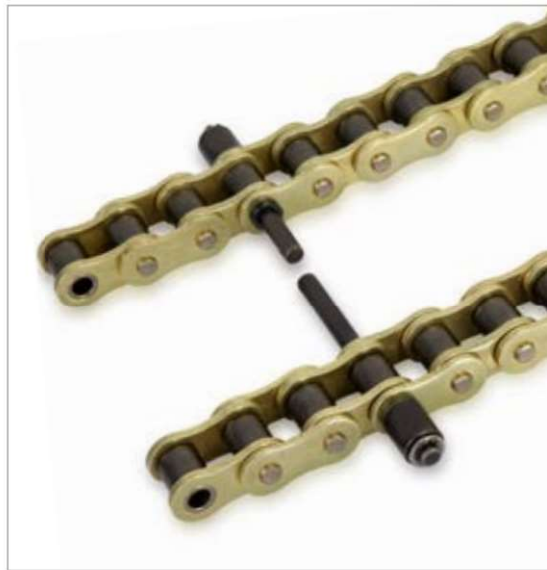
- Dusty environment
- Matched chains for pin alignment
- Lubrication is troublesome
- Wear resistant side rollers



Examples for log buffer discharge

ISO 16B-1 - 25,4 mm - 1" PITCH

EXTENDED PIN mod. "2043-2044"

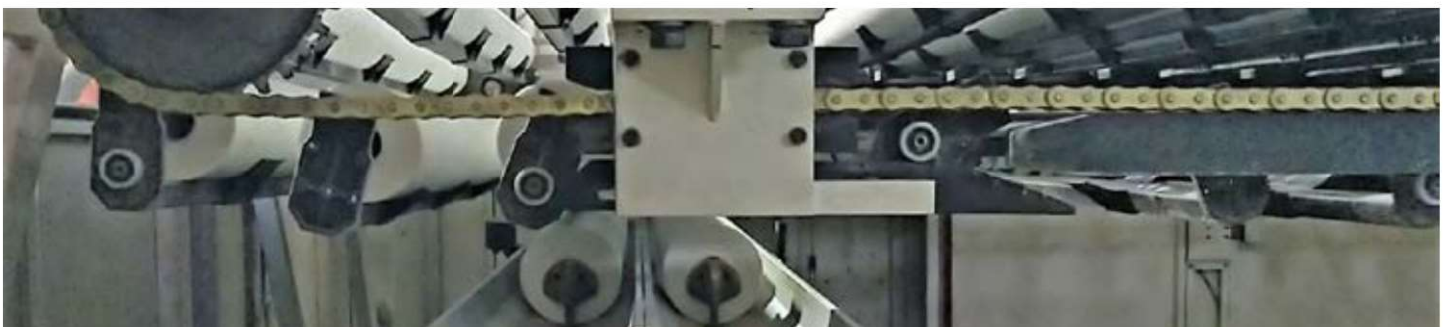


ISO 20B-1 - 31,75 mm - 1" ¼ PITCH

EXTENDED PIN mod. "2012"



EXTENDED PIN mod. "2008"



All pictures shown are for illustration purposes only

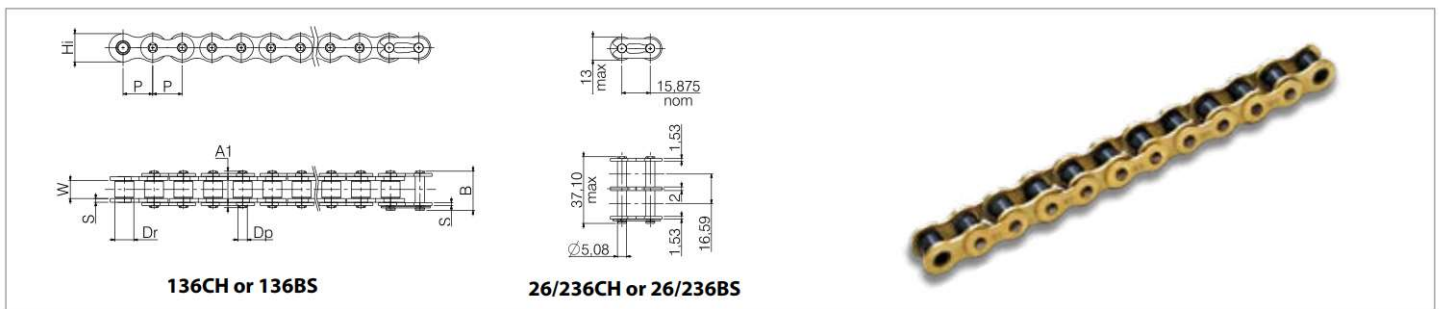
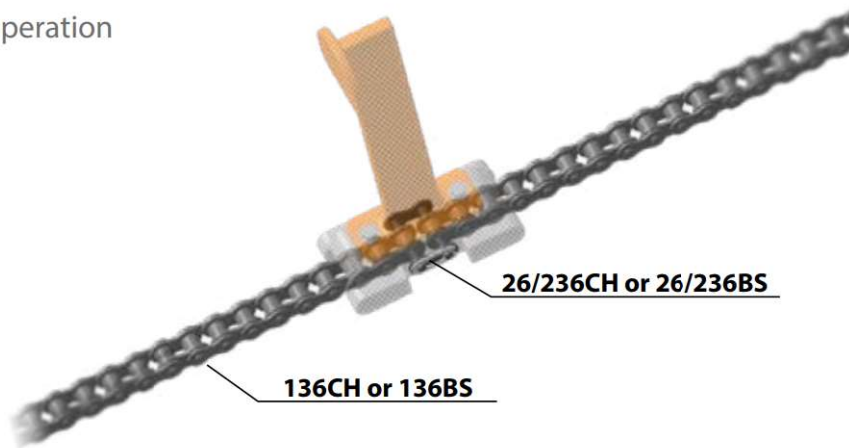
4 LOG SAW

Logs are cut in rolls by means of a rotating saw, which precisely defines the final length of the product. A pusher, which is connected to the 5/8" pitch feeder chain by means of a duplex connecting link, feeds the log intermittently towards the log saw.



APPLICATION SPECIFIC FEATURES

- Dusty environment
- Lubrication is troublesome
- Maintenance-free operation
- Intermittent drive



REGINA	ISO	PITCH		ROLLER DIAM.	INSIDE WIDTH	PLATE HEIGHT	PLATE THICKNESS	PIN DIAM.	PIN WIDTH	MAX WIDTH	WORKING SURFACE	AVERAGE TENSILE STRENGTH	LOOSE PARTS CONN.	OFFSET	STD SUPPLIED LENGTH
ref	ref	mm	inches	Dr	W	Hi	S	Dp	A1	B	mm ²	kN	LINK	LINK	m
136CH	10B-1	15,875	$\frac{5}{8}$	10,16	9,65	14,73	1,63/1,53	5,08	19,10	27,00	69	24,80	26	30	10
136BS	10B-1	15,875	$\frac{5}{8}$	10,16	9,65	15,15	2,00/1,53	5,09	19,60	27,00	69	24,80	26	30	3,048

5 PACKAGING

In the last section of the line, the rolls are sorted in groups and wrapped in customized bundlers. Different types of packaging format can be realized. Regina offers a wide range of customized chains for this part of the line. A palletizing area is present at the very end of the line, where the final product is ready to be shipped or stored.

APPLICATION SPECIFIC FEATURES

- Dusty environment
- Lubrication is troublesome
- Specific length requirement



EXAMPLES OF APPLICATIONS



Quotation request: Chains for Paper Converting



Requested by	Date
Phone	E-mail
Company Name	OEM or End User

Section 1 : Core Creation & Buffering

Attachment	mod. "145"	mod. "1027"	mod. "1029"	10B-1 - 15,875 mm - 5/8" pitch		
Frequency "F" of the attachment	every 6 links	every 7 links	every 8 links	every 9 links	every 10 links	Other:
Chain Type	Enduro Maintenance - free		Standard Regular lubrication			
Matched*	2x2	3x3	4x4	5x5		
Total Quantity (in meters, pcs)**						

Section 2 : Log Buffer

Attachment	mod. "2042"	mod. "257"	mod. "256"	mod. "2028"	mod. "2045-2046"	16B-1 - 25,4 mm - 1" pitch
	mod. "2011"	mod. "288"	mod. "2005-2006"		20B-1 - 31,75 mm - 1" 1/4 pitch	
Frequency "F" of the attachment	every 8 links	every 9 links	every 10 links	every 11 links	every 12 links	Other:
Chain Type	Enduro Maintenance - free		Standard Regular lubrication			
Total Quantity (in meters, pcs)**						

Section 3 : Log Buffer Discharge

Attachment	mod. "2043-2044"	16B-1 - 25,4 mm - 1" pitch	mod. "2012"	mod. "2008"	20B-1 - 31,75 mm - 1" 1/4 pitch	
Frequency "F" of the attachment	every 8 links	every 9 links	every 10 links	every 11 links	every 12 links	Other:
Chain Type	Enduro Maintenance - free		Standard Regular lubrication			
Total Quantity (in meters, pcs)**						

Section 4 : Log Saw

Chain Type	Enduro Maintenance - free	Standard Regular lubrication	Chroma Higher wear resistance	10B-1 - 15,875 mm - 5/8" pitch
Chain Quantity (in meters)				
n° of duplex connecting links	Supplied as multiple of 10 pieces		

Please send your quotation request to:

✉ sales@reginachain.net



Please contact our technical service to request your customized Regina chain!

* 2x2 means 2 matched chains working in parallel; 3x3 means 3 matched chains working in parallel

** Fill in with the overall quantity of chain in meters and the total n° of chains in pieces (pcs) Example: 6 meters, 2 chains (3 meters per chain)

Purpose

☐ **Replacement**

Selection making criteria: ☐ Price ☐ Quality ☐ Delivery time ☐ Other:.....

Current lifetime (working h):

Replacement reason (breakage, wear/elongation, corrosion):.....

Current supplier:.....

Competitor(s):.....

☐ **New Application**

Selection making criteria: ☐ Price ☐ Quality ☐ Delivery time ☐ Other:.....

Expected lifetime (working h):

Availability of Drawings?:.....

Competitor(s):.....




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