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Chains for Paper Converting

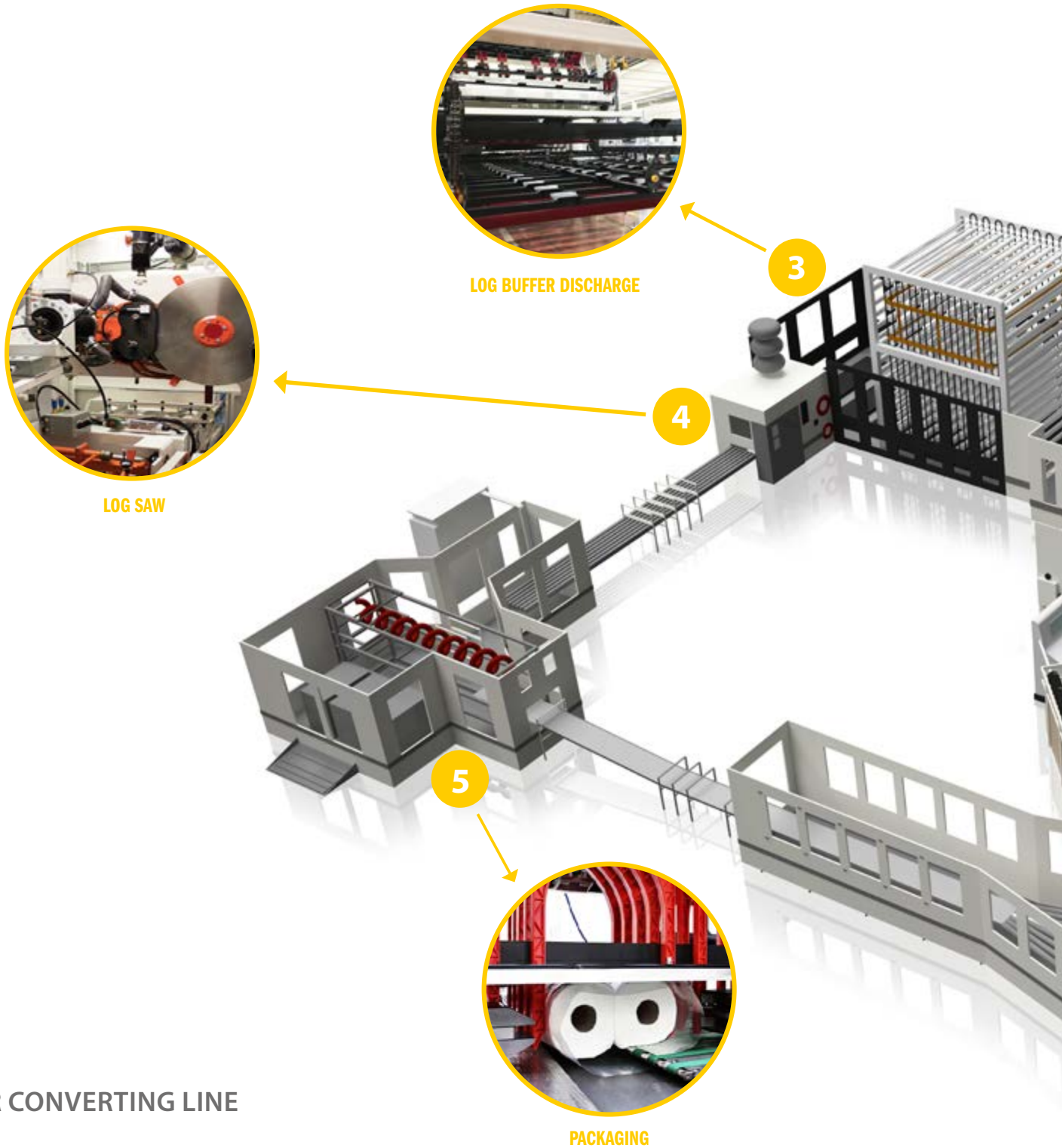




Chains for Paper Converting

Tissue Roll Production

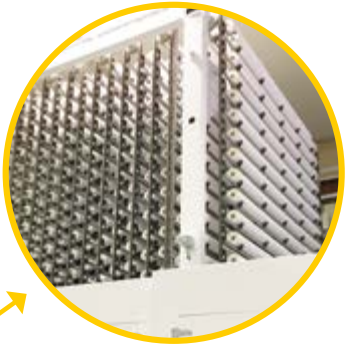
Regina has been manufacturing a full range of special chains dedicated to the paper converting industry for more than 20 years. Closely cooperating with leading industry OEMs and End Users, Regina developed a specific know-how of the chains typically used for tissue roll production: from the core buffering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



PAPER CONVERTING LINE

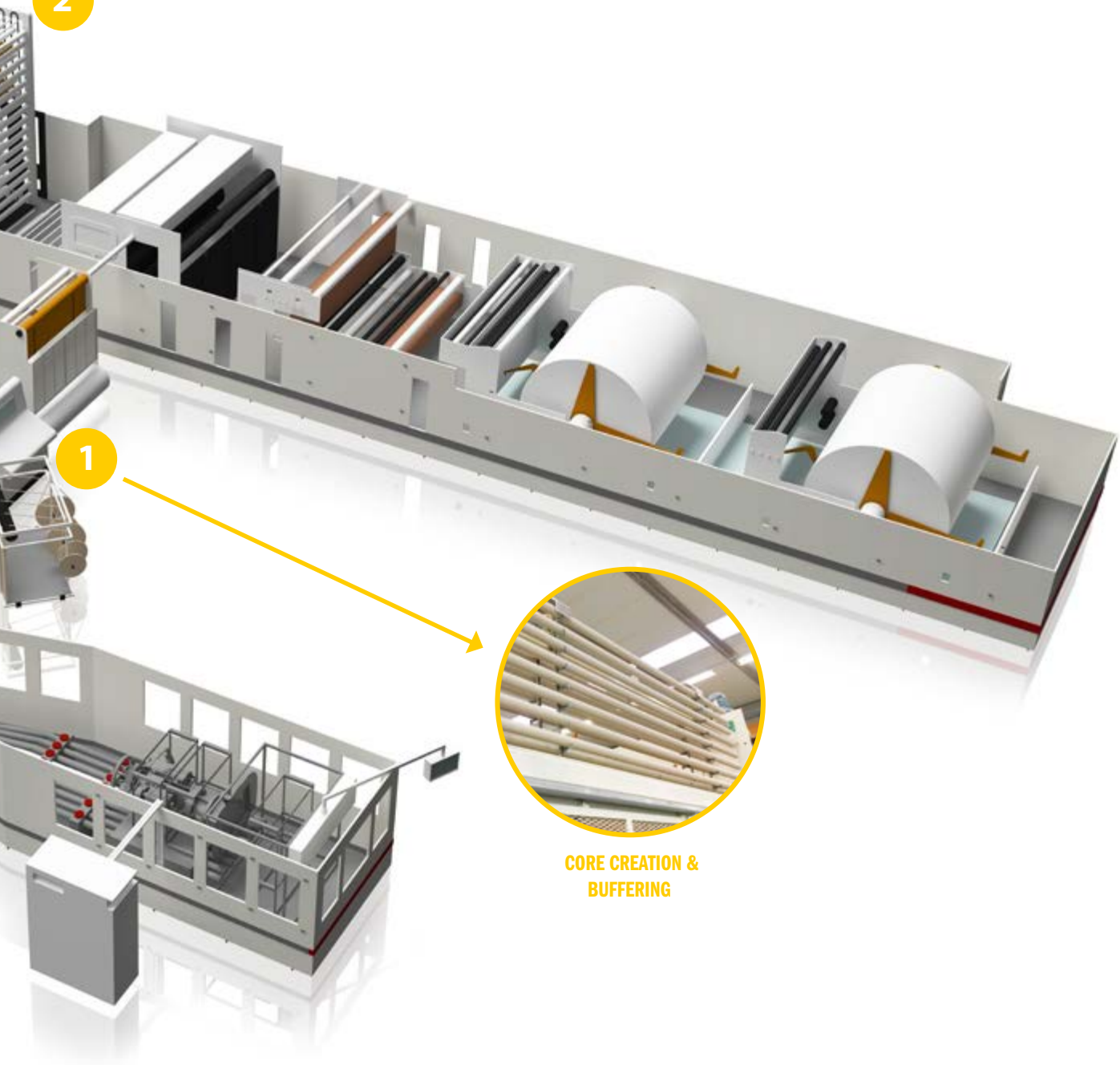


Regina chains for Paper Converting are manufactured exclusively in Regina's European factories.



LOG BUFFER

2



1



CORE CREATION & BUFFERING

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

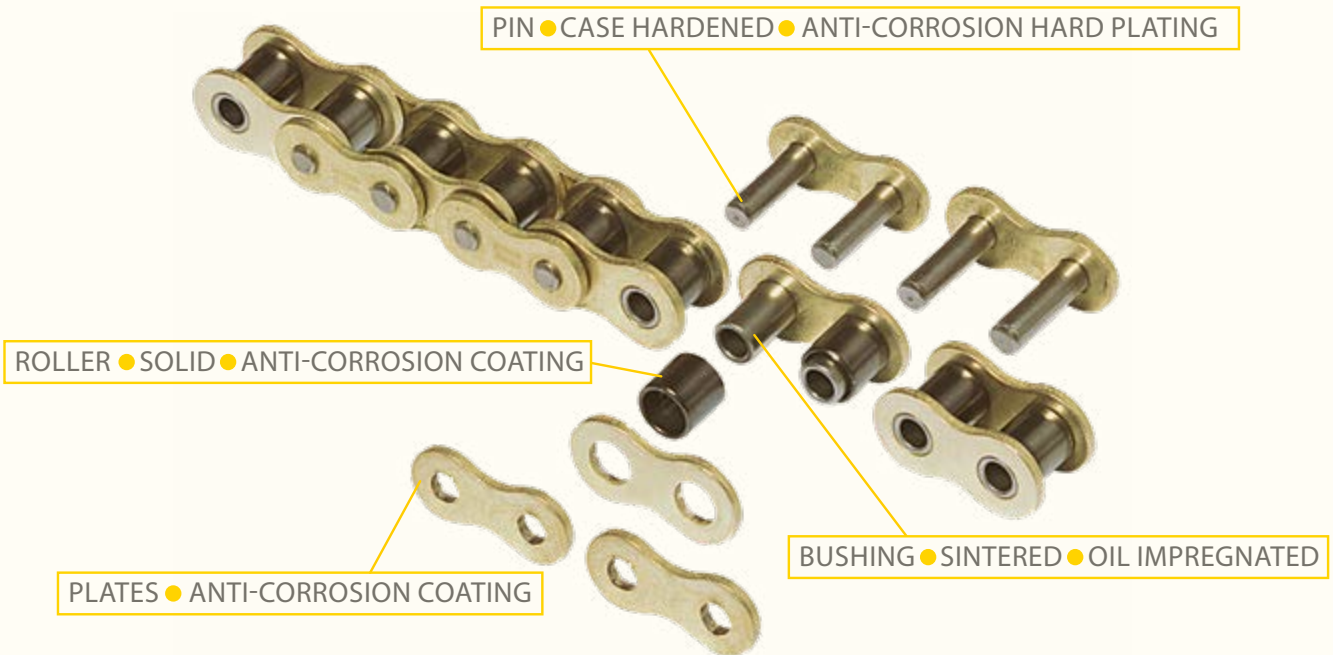
- **STANDARD** BASE CHAIN (REGULAR LUBRICATION)
- **ENDURO** MAINTENANCE - FREE BASE CHAIN

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.

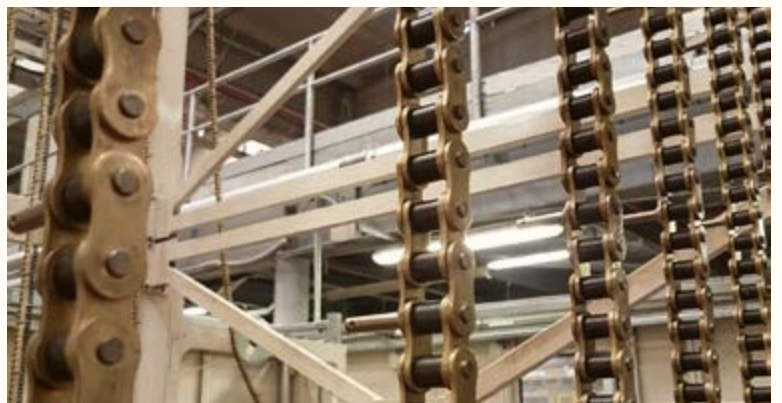


NO OIL
CONTAMINATION
&
NO PAPER POWDER
STICKING



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"



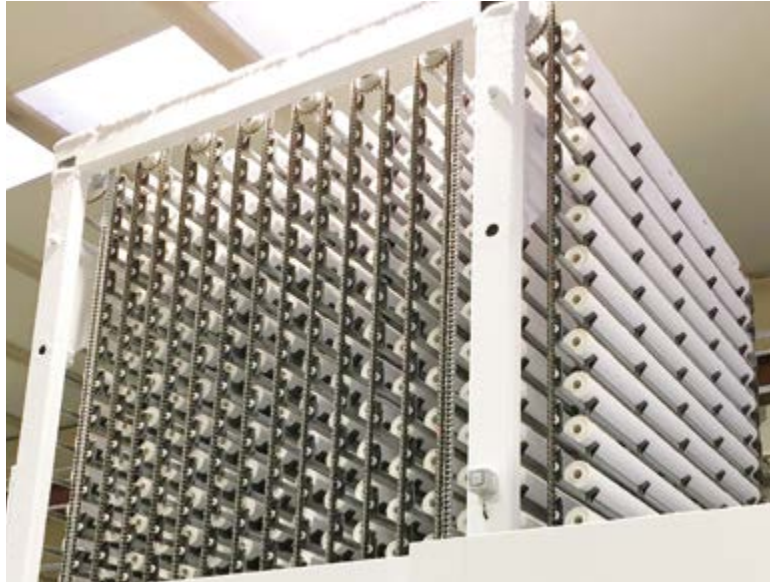
All pictures shown are for illustration purposes only

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"



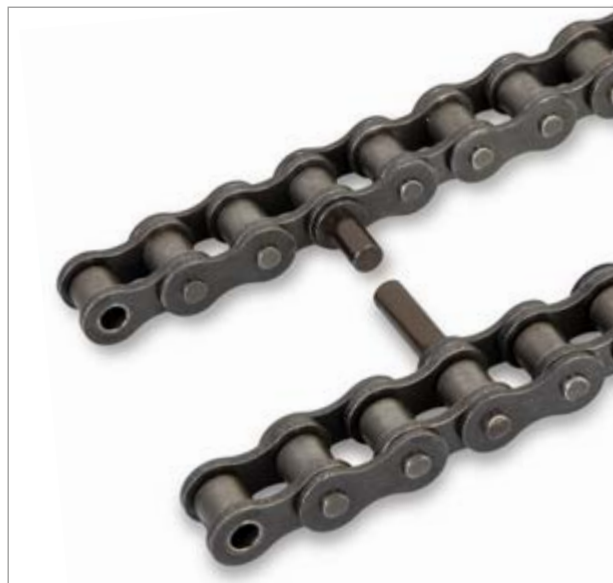
EXTENDED PIN mod. "2011"



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

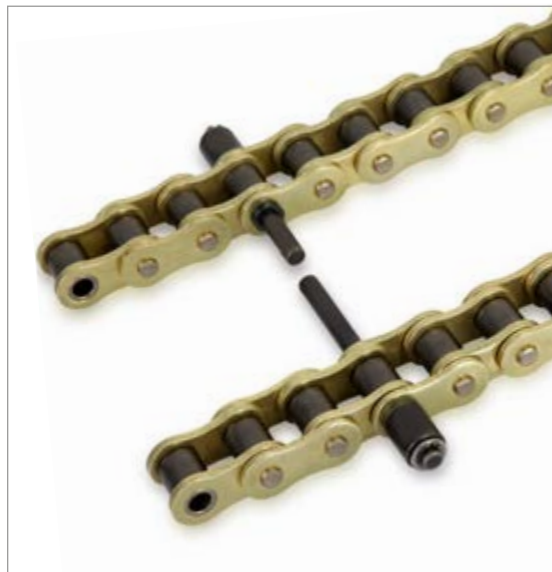
- Dusty environment
- Matched chains for pin alignment
- Lubrication is troublesome
- Wear resistant side rollers



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" 1/4 PITCH

EXTENDED PIN mod. "2012"



EXTENDED PIN mod. "2008"



All pictures shown are for illustration purposes only

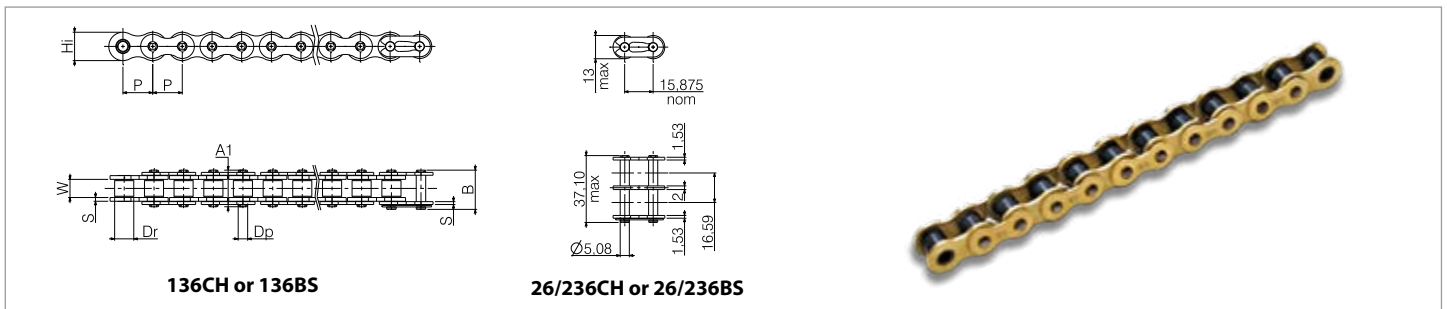
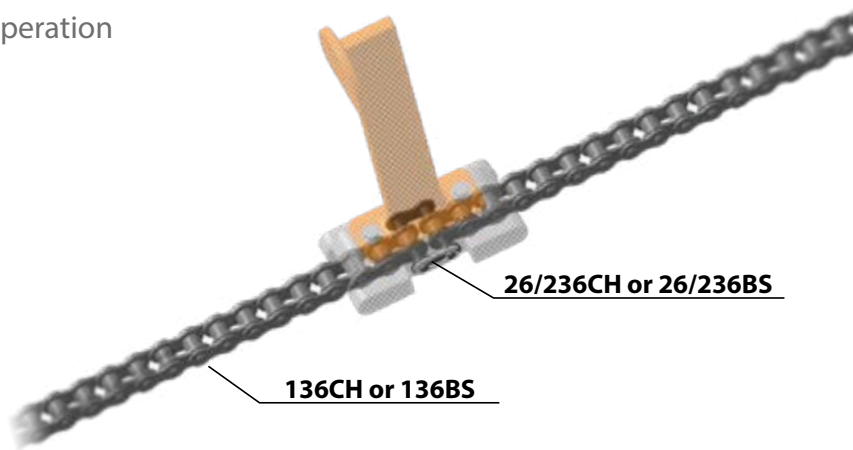
4 LOG SAW

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	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	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)**	<input type="text"/>					

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)**	<input type="text"/>					

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)**	<input type="text"/>					

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)	<input type="text"/>			
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):.....



VISIT OUR WEBSITE



www.reginachain.net

Please send your quotation request to:

sales@reginachain.net



PERFORMANCE IN MOTION

ITALY

REGINA CATENE CALIBRATE S.p.A.
HEAD OFFICE:
Via Monza, 90
23870 Cernusco Lombardone (LC) - Italy
Tel. +39 039 99801
Fax +39 039 9905229
sales@reginachain.net

USA

REGINA USA, INC.
305 E. Mahn Court
Oak Creek, WI 53154 - USA
Tel. 001 414 5710032
Fax 001 414 5710225
sales.us@reginachain.net

FRANCE

REGINA INDUSTRIE s.a.r.l.
Z.A.C. des Chatelliers
34 Rue des Frères Lumière
45800 Saint Jean De Braye - France
Tel. +33 238 836363
Fax +33 238 836413
sales.fr@reginachain.net

MEXICO

REGINA de MEXICO S.A. de C.V.
Av. Aviación 5051-28
Col. San Juan de Ocotan
45019 Zapopan, Jalisco – Mexico
Tel. +52 33 3627 4043
Fax +52 33 3627 3930
sales.mx@reginachain.net

CHINA

REGINA TIANJIN CHAIN & BELT CO., LTD.
Xi Qing Economic Development Area,
Xiang Rui Road n. 17
Tian Xiang Industrial Zone
300385 Tian Jin - China
Tel. +86 22 83961223
Fax +86 22 83961202
sales.cn@reginachain.net

UNITED KINGDOM

REGINA INTERNATIONAL LIMITED
Unit 1, Dyneley Road,
Greenbank Business Park
Whitebirk, Blackburn,
Lancs BB1 3AB - United Kingdom
Tel. +44 1254 661116
Fax +44 1254 59456
sales.uk@reginachain.net

ARGENTINA

REGINA INTERNATIONAL S.A.
Diagonal 190,
1788-1655 José Leon Suarez
Prov. Buenos Aires – Argentina
Tel. +54 11 47296667
Fax +54 11 47203210
sales.ar@reginachain.net

GERMANY

SALES OFFICE
Tel. +49 1752636326
sales.de@reginachain.net

THE NETHERLANDS

SALES OFFICE
Tel. +31 610681114
sales.nl@reginachain.net

SPAIN

CADENAS REGINA ESPAÑA, S.L.
Calle Industria, 37
08120 La Llagosta - Barcelona - España
Tel. +34 93 5742838
Fax +34 93 5740735
sales.es@reginachain.net

INDIA

SALES OFFICE
Tel. +91 9657009001
sales.in@reginachain.net

