



# REGINA CHAIN

**PERFORMANCE IN MOTION**



**ENDURO SERIES MAINTENANCE FREE CHAINS**

# Enduro maintenance free chains.

Regina ENDURO chains are designed to operate in “lube-free” applications.

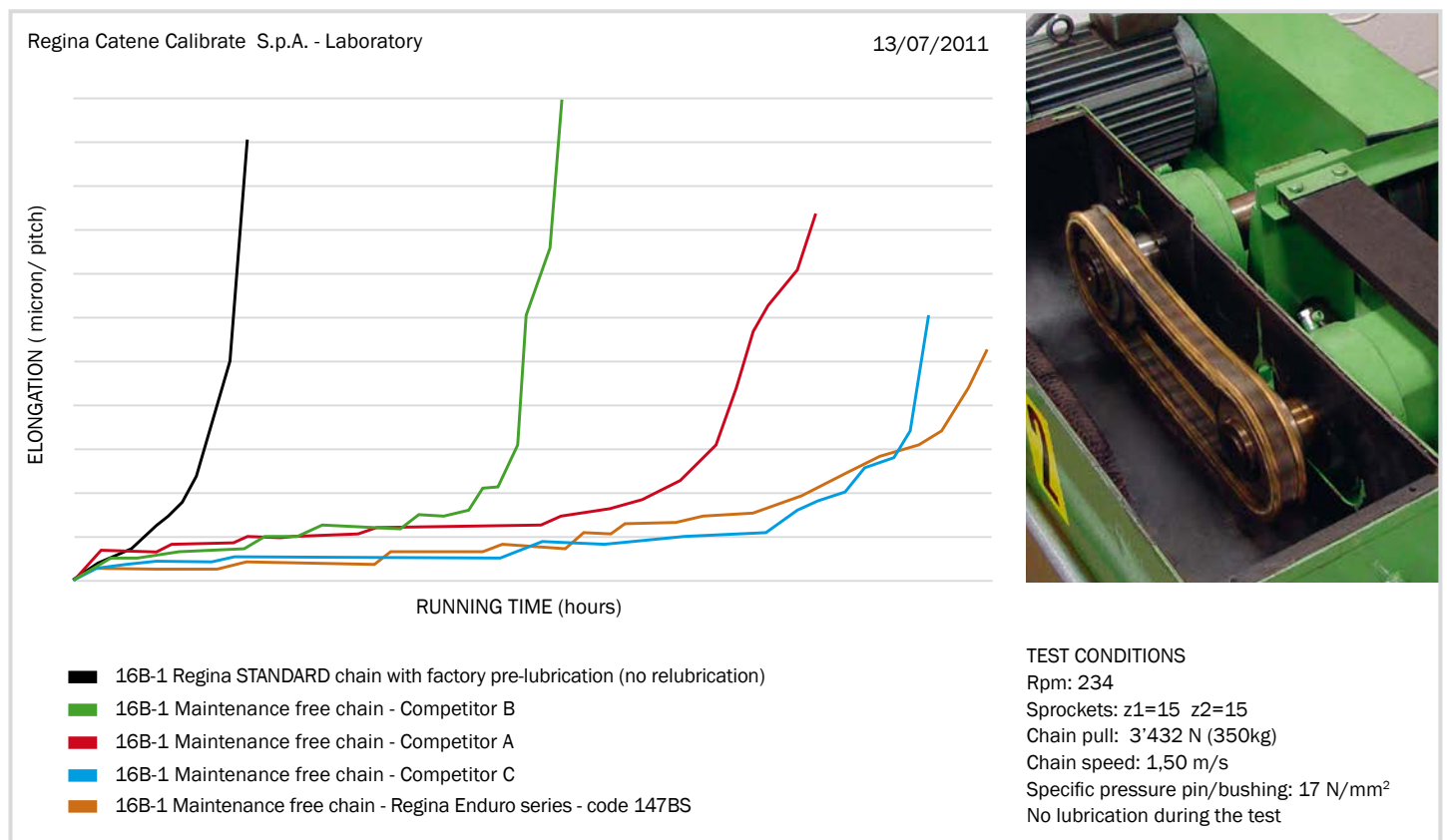
Designed to work without periodic maintenance, Regina ENDURO chains are ideal for applications where regular lubrication is difficult or not allowed, and where product contamination has to be avoided.

Regina ENDURO chains fit standard sprockets of ISO roller chains and are available in both European (BS) and American (ANSI) standard, with pitches from 1/2” to 1”, in simplex and duplex versions.

## Wear resistance.

ENDURO chains outlast standard chains without periodic lubrication. The unique technology and “heavy wall” design of the sintered bushing ensures excellent wear resistance.

## Comparative wear test - 16B-1 chains with sintered bushings.



### BENEFITS

- DRAMATIC WEAR LIFE INCREASE COMPARED TO STANDARD CHAINS IN UN-LUBRICATED CONDITIONS
- ELIMINATE NEED FOR PERIODIC LUBRICATION
- NO PRODUCT OR EQUIPMENT CONTAMINATION
- RESISTANCE TO CORROSION IN MILDLY AGGRESSIVE ENVIRONMENT
- SAVINGS IN LUBRICATION AND MAINTENANCE COSTS

### APPLICATION LIMITS

- MAXIMUM SPEED: 2 M/SEC
- MAXIMUM SPECIFIC PRESSURE: 20 N/MM<sup>2</sup>
- TEMPERATURE OPERATING RANGE: -30 °C ÷ +150 °C
- MILD CORROSIVE ENVIRONMENT
- ABSENCE OF ABRASIVE CONTAMINATION



If your application exceeds the above limits, please contact Regina Technical Service for further analysis.

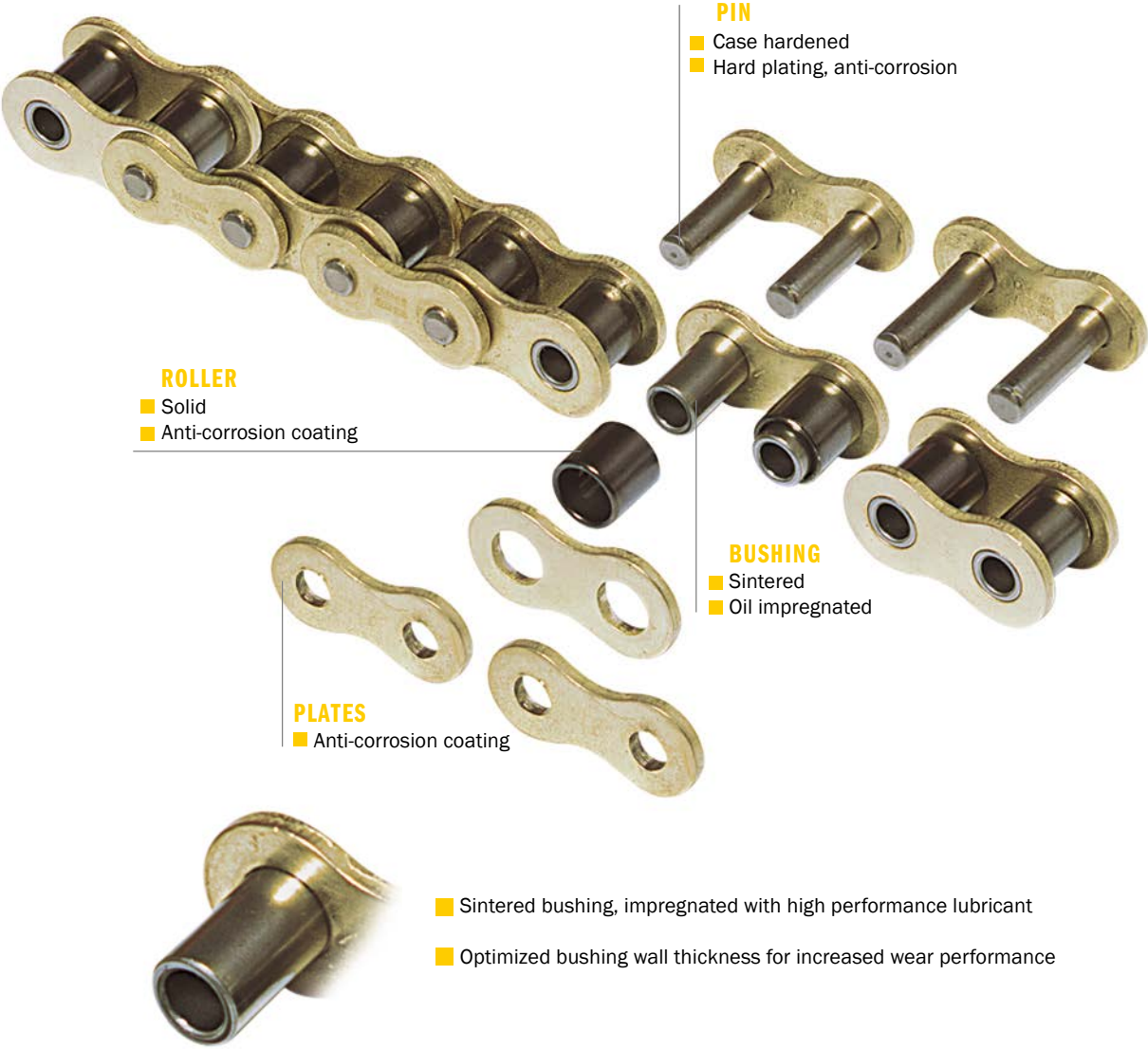


Regina ENDURO chains, as well as all other Regina products, are manufactured in Regina's European Factories.

# Enduro maintenance free chains.

## Technical characteristics.

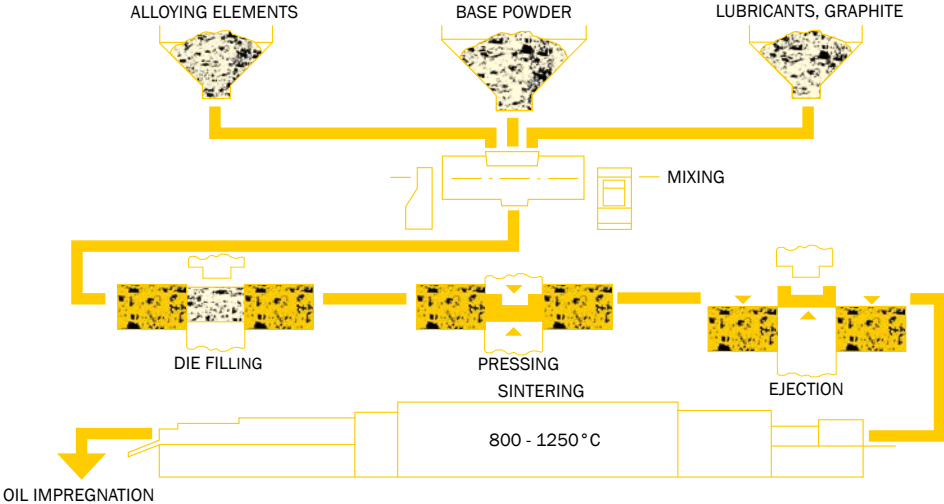
- “Heavy wall” sintered bushing, impregnated with USDA H1 food approved oil
- Hard plated pin
- Galvanically coated plates and rollers for resistance to mildly aggressive environment



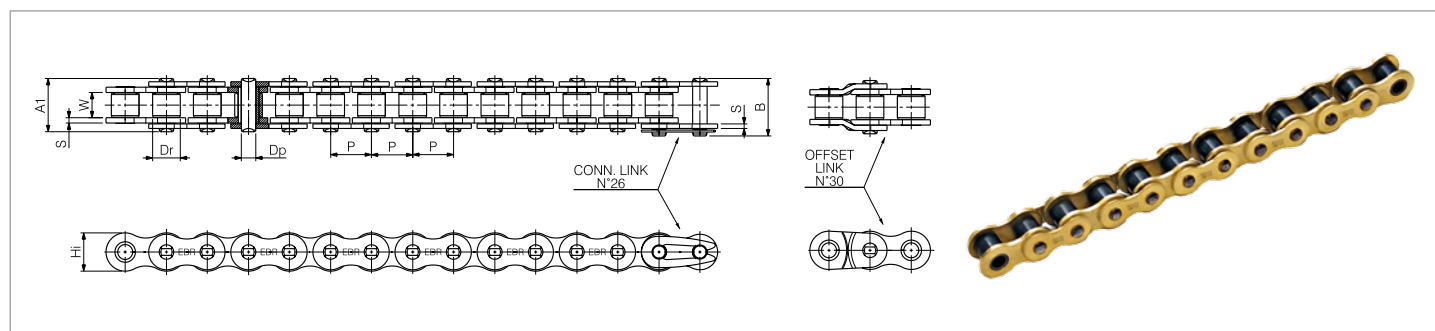
### The sintering process.

A blend of metallic powders is pressed into the desired shape and sintered at high temperature.

The porosity left in the material is then filled with high quality oil through a vacuum process.



## SINGLE STRAND



Regina	Iso	Pitch P		Roller Diam. Dr	Inside Width W	Plate High Hi	Plate Thickness S	Pin Diam. Dp	Pin Width A1	Max Width B	Working Surface	Average Tensile Strength	Suggested Working Load (max)	Std. loose parts	
ref	ref	mm	inches	mm	mm	mm	mm	mm	mm	mm	mm <sup>2</sup>	kN	N	Conn. Link	Offset Link

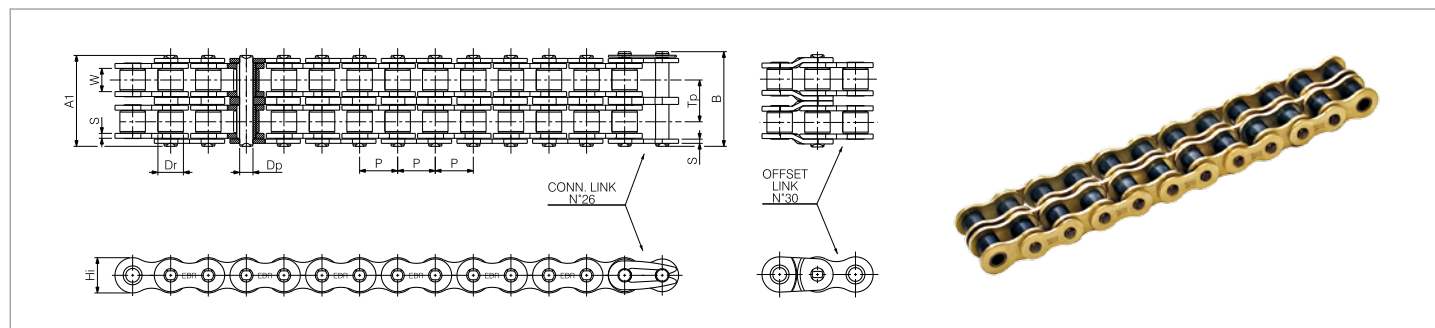
### EUROPEAN SERIES

126BS	08B-1	12,70	1/2	8,51	7,75	11,85	1,63/1,40	4,45	16,50	24,00	50	18,60	1000	26	30
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	1380	26	30
140BS	12B-1	19,05	3/4	12,07	11,68	18,08	1,85/1,70	5,72	22,50	30,00	89	33,00	1780	26	30
147BS	16B-1	25,40	1	15,88	17,02	21,08	3,80/3,00	8,28	35,90	46,00	210	63,35	4200	26	30

### AMERICAN SERIES

A40BS	08A-1	12,70	1/2	7,92	7,85	11,85	1,63/1,53	3,98	16,50	23,00	44	17,15	880	26	30
A50BS	10A-1	15,875	5/8	10,16	9,40	15,15	2,00/2,00	5,09	20,50	28,00	70	26,00	1400	26	30
A60BS	12A-1	19,05	3/4	11,91	12,57	18,08	2,30/2,30	5,72	25,80	33,00	101	37,25	2020	26	30
A80BS	16A-1	25,40	1	15,88	15,75	24,13	3,15/3,15	7,94	33,50	40,00	180	64,70	3600	26	30

## DOUBLE STRAND



Regina	Iso	Pitch P		Roller Diam. Dr	Inside Width W	Plate High Hi	Plate Thickness S	Pin Diam. Dp	Pin Width A1	Max Width B	Working Surface	Average Tensile Strength	Suggested Working Load (max)	Std. loose parts		Trasversal Pitch Tp
ref	ref	mm	inches	mm	mm	mm	mm	mm	mm	mm	mm <sup>2</sup>	kN	N	Conn. Link	Offset Link	mm

### EUROPEAN SERIES

226BS	08B-2	12,70	1/2	8,51	7,75	11,85	1,63/1,40	4,45	30,40	38,20	100	35,10	2000	26	30	13,92
236BS	10B-2	15,875	5/8	10,16	9,65	15,15	2,00/1,53	5,09	35,80	44,00	138	42,00	2760	26	30	16,59
240BS	12B-2	19,05	3/4	12,07	11,68	18,08	1,85/1,70	5,72	42,00	51,20	178	66,00	3560	26	30	19,46
247BS	16B-2	25,40	1	15,88	17,02	21,08	3,80/3,00	8,28	68,00	78,80	420	127,50	8400	26	30	31,88

### AMERICAN SERIES

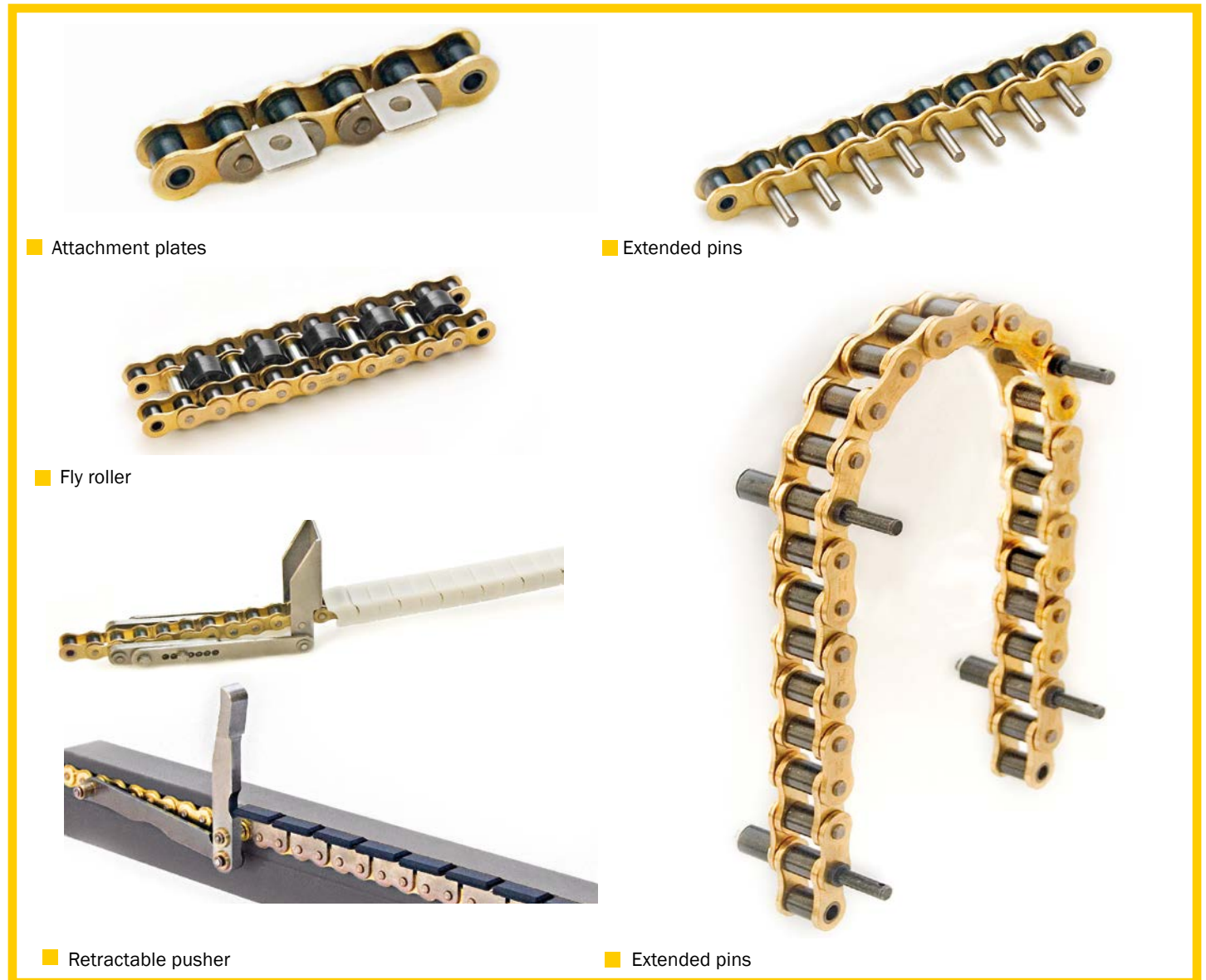
A40BS-2	08A-2	12,70	1/2	7,92	7,85	11,85	1,63/1,53	3,98	30,90	38,60	88	34,30	1760	26	30	14,38
A50BS-2	10A-2	15,875	5/8	10,16	9,40	15,15	2,00/2,00	5,09	38,40	46,60	140	52,00	2800	26	30	18,11
A60BS-2	12A-2	19,05	3/4	11,91	12,57	18,08	2,30/2,30	5,72	48,80	58,00	202	74,50	4040	26	30	22,78
A80BS-2	16A-2	25,40	1	15,88	15,75	24,13	3,15/3,15	7,94	62,70	73,50	360	129,45	7200	26	30	29,29

Some ENDURO chains dimensions may differ from ISO standard, but their engagement with standard ISO sprocket is guaranteed.

# Enduro maintenance free chains.

## Special Configurations.

Regina ENDURO chains can be equipped with attachment plates or produced in special configurations.



## FIELDS OF APPLICATION

### INDUSTRIES:

- Packaging
- Food
- Printing
- Automotive
- Tissue
- Electronics
- Medical
- Textile
- Conveyors
- and more...





## PERFORMANCE IN MOTION

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