

Plastic Chains ED02

MakesMoving

materials

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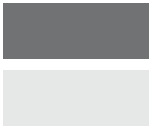
ACETAL RESIN

The acetal resin offers very good mechanical specifications, excellent wear resistance and a low coefficient of friction. Used in the manufacturing of plates for flat top chains, it is an economical alternative to our LFA material. FDA (Food and Drug Administration) approved for direct contact with food.

Working temperatures:

- 40° C / + 80° C (dry environment)
- 40° C / + 65° C (wet environment)

Colour: grey, white



SLX

EXTRA ADDITIVATED ACETAL RESIN

Internally lubricated polyacetal for high-speed applications. Recommended on application for PET containers and bottling lines. Increased wear resistance.

FDA (Food and Drug Administration) approved for direct contact with food.

Working temperatures:

- 40° C / + 80° C (dry environment)
- 40° C / + 65° C (wet environment)

Colour: light grey



LFA / WAF / WLF

LOW FRICTION ACETAL RESIN

This material has a low coefficient of friction, high wear resistance and excellent resistance to chain tension.

It is recommended for high load, high speed applications. FDA (Food and Drug Administration) approved for direct contact with food.

Working temperatures:

- 40° C / + 80° C (dry environment)
- 40° C / + 65° C (wet environment)

LFA colours: light brown, blue
WAF/WLF colour: white



AK

HIGH WEAR RESISTANT ACETAL RESIN

Very special material with aramidic fibers and low friction coefficient recommended on dry applications for glass container, PET container and bottling lines.

Working temperatures:

- 40° C / + 80° C (dry environment)
- 40° C / + 65° C (wet environment)

Colour: dark grey, yellow



SP

SUPER PERFORMANCE ACETAL RESIN

The super performance resin has a lower coefficient of friction than LFA material. Plate wear and pitch elongation are reduced; it is suitable for high speed applications and reduced lubrication. FDA (Food and Drug Administration) approved for direct contact with food.

Working temperatures:

- 40° C / + 80° C (dry environment)
- 40° C / + 65° C (wet environment)

Colour: dark grey



MDA

ACETAL RESIN WITH A LOW COEFFICIENT OF FRICTION DETECTABLE BY A METAL DETECTOR

Acetal resin detectable by a metal detector or to X-ray machine. Material for use in production and packaging in the food industry. The blue color is optimal for facilitating optical detection by an operator or a camera. It has the same mechanical characteristics as LFA material while also protecting against the build-up of electrostatic charges. FDA (Food and Drug Administration) approved for direct contact with food.⁽¹⁾

Working temperature:

- 40° C / + 80° C (dry environment)
- 40° C / + 65° C (wet environment)

Colour: blue



WRX

WEAR RESISTANT POLYAMIDE COMPOSITE

It is especially wear resistant in abrasive environment and it is suitable for conveying glass containers, mechanical components, sand, etc.

Working temperatures:
- 20° C / + 120° C
(dry environment)

Colour: black



AS

ANTISTATIC ACETAL RESIN

This material offers great protection against static electrical charges. It is ideal for explosive atmosphere and where an electrostatic force may cause product instability.

Working temperatures:
- 40° C / + 80° C
(dry environment)
- 40° C / + 65° C
(wet environment)

Colour: black



PPB

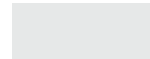
CHEMICAL RESISTANT REINFORCED POLYPROPYLENE

This improved polypropylene has acid and corrosion resistance characteristics; it is specially recommended when a chain is exposed to chemical agents.

Working temperatures:
+ 5° C / + 105° C
(dry environment)
+ 5° C / + 105° C
(wet environment)

PPB chains dimensions are larger than those indicated in the drawing. To know dimensions refer to our Technical Department.

Colour: white



PBT

EXTRA PERFORMANCE POLYESTER RESIN (Available upon request)

It has a very low coefficient of friction and offers an excellent wear resistance. Plate wear and pitch elongation are reduced. It is specially developed for high speed and dry running applications.

Working temperatures:
- 40° C / + 125° C
(dry environment)
- 40° C / + 60° C
(wet environment)

Colour:
green, white, black



HT

GLASS REINFORCED POLYESTER RESIN (Available upon request)

Material with an extremely high resistance to the heat and wear. FDA (Food and Drug Administration) approved for direct contact with food.⁽¹⁾

Working temperatures:
- 40° C / + 140° C
(dry environment)

Colour: black, white



PINS D TYPE
Better seal on the hinge.

SYMBOLS

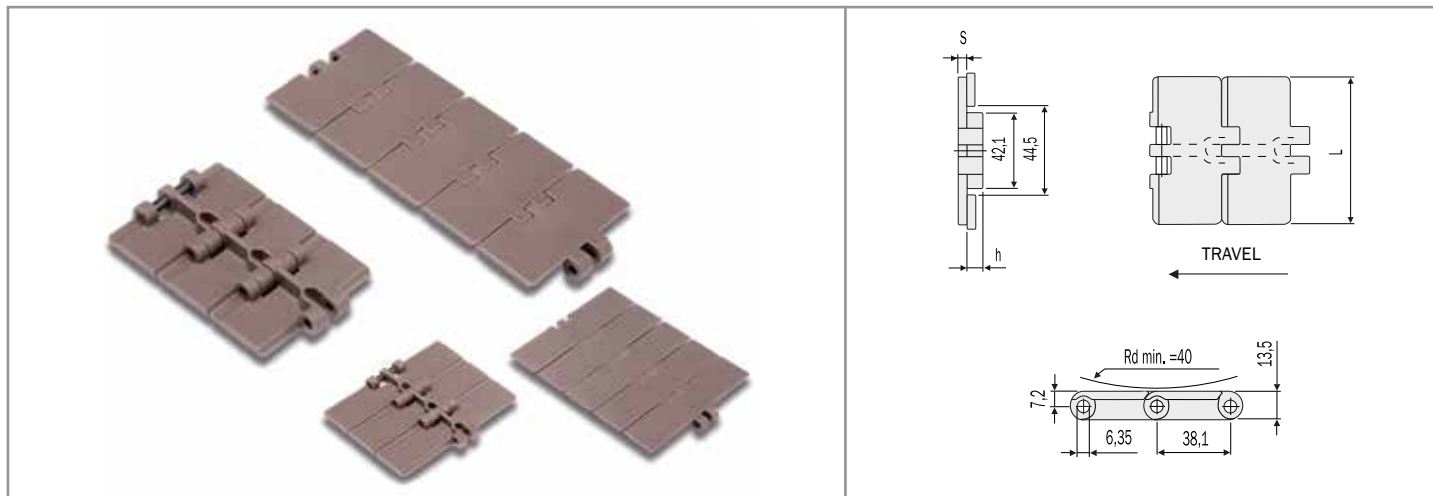


ZERO GAP
It improves the stability of the transported product.

⁽¹⁾ For chains supplied with pins in AISI 304/316 only

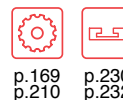
thermoplastic straight running chains

SINGLE HINGE - 820 SERIES



D 820 - ACETAL RESIN

- Plates in self-lubricating acetal resin, grey-coloured.
- Pins in special chrome-nickel stainless steel, work hardened for high resistance.

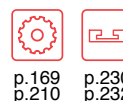


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PRODUCT CODE	INTERNAL CODE	CHARACTERISTICS				
		Width L (mm)	Thickness S (mm)	Height h (mm)	Working Load Max N (21°C)	Weight kg/m
D 820 K250	6.00.020	63.5	4	9.5	1230	0.73
D 820 K325	6.00.040	82.5	4	9.5	1230	0.83
D 820 K343	6.00.043	87.0	4	9.5	1230	0.85
D 820 K350	6.00.060	88.9	4	9.5	1230	0.85
D 820 K400	6.00.070	101.6	4	9.5	1230	0.95
D 820 K450	6.00.080	114.3	4	9.5	1230	1.03
D 820 K600	6.00.100	152.4	4	9.5	1230	1.25
D 820 K750	6.00.110	190.5	4	9.5	1230	1.47

LFA 820 - LOW FRICTION ACETAL RESIN

- Plates in self-lubricating low friction acetal resin, light brown-coloured.
- Pins in special chrome-nickel stainless steel, work hardened for high resistance.



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PRODUCT CODE	INTERNAL CODE	CHARACTERISTICS				
		Width L (mm)	Thickness S (mm)	Height h (mm)	Working Load Max N (21°C)	Weight kg/m
LFA 820 K250	6.10.020	63.5	4	9.5	1230	0.73
LFA 820 K325	6.10.040	82.5	4	9.5	1230	0.83
LFA 820 K330	6.10.042	83.8	4	9.5	1230	0.83
LFA 820 K343	6.10.043	87.0	4	9.5	1230	0.85
LFA 820 K350	6.10.060	88.9	4	9.5	1230	0.85
LFA 820 K400	6.10.070	101.6	4	9.5	1230	0.95
LFA 820 K450	6.10.080	114.3	4	9.5	1230	1.03
LFA 820 K500	6.10.090	127.0	4	9.5	1230	1.10
LFA 820 K600	6.10.100	152.4	4	9.5	1230	1.25
LFA 820 K750	6.10.110	190.5	4	9.5	1230	1.47

- Standard shipping lengths = 80 pitches = 10 feet = 3,048 metres.
- The above-mentioned chains can also be produced in acetal resin, white-coloured. (FOR D820)
- These chains can be supplied either with pins in austenitic stainless steel, work hardened, highly wear resistant, or with pins in thermoplastic resin.

SP 820 - SUPER PERFORMANCE ACETAL RESIN



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- Plates in self-lubricating very low friction acetal resin, dark grey-coloured.
- Pins in special chrome-nickel stainless steel, work hardened for high resistance.

PRODUCT CODE	INTERNAL CODE	CHARACTERISTICS				
		Width L (mm)	Thickness S (mm)	Height h (mm)	Working Load Max N (21°C)	Weight kg/m
SP 820 K325	6.20.040	82.5	4	9.5	1230	0.83
SP 820 K330	6.20.042	83.8	4	9.5	1230	0.83
SP 820 K343	6.20.043	87.0	4	9.5	1230	0.85
SP 820 K350	6.20.060	88.9	4	9.5	1230	0.87
SP 820 K400	6.20.070	101.6	4	9.5	1230	0.95
SP 820 K450	6.20.080	114.3	4	9.5	1230	1.03
SP 820 K600	6.20.100	152.4	4	9.5	1230	1.25
SP 820 K750	6.20.110	190.5	4	9.5	1230	1.47

- Standard shipping lengths = 80 pitches = 10 feet = 3,048 metres.
- These chains can be supplied either with pins in austenitic stainless steel, work hardened, highly wear resistant, or with pins in thermoplastic resin.

AK 820 - HIGH WEAR RESISTANT ACETAL RESIN



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- Plates in a very special acetal resin with aramidic fibers, dark grey-coloured.
- Pins in special chrome-nickel stainless steel, work hardened for high resistance.

PRODUCT CODE	INTERNAL CODE	CHARACTERISTICS				
		Width L (mm)	Thickness S (mm)	Height h (mm)	Working Load Max N (21°C)	Weight kg/m
AK 820 K325	6.80.040	82.5	4	9.5	1230	0.83
AK 820 K330	6.80.042	83.8	4	9.5	1230	0.83
AK 820 K343	6.80.043	87.0	4	9.5	1230	0.85
AK 820 K350	6.80.060	88.9	4	9.5	1230	0.87
AK 820 K400	6.80.070	101.6	4	9.5	1230	0.95
AK 820 K450	6.80.080	114.3	4	9.5	1230	1.03
AK 820 K600	6.80.100	152.4	4	9.5	1230	1.25
AK 820 K750	6.80.110	190.5	4	9.5	1230	1.47

- Standard shipping lengths = 80 pitches = 10 feet = 3,048 metres.
- The above-mentioned chains can also be produced in special acetal resin, with aramidic fibers yellow-coloured.
- These chains can be supplied either with pins in austenitic stainless steel, work hardened, highly wear resistant, or with pins in thermoplastic resin.

WRX 820 - WEAR RESISTANT POLYAMIDE COMPOSITE



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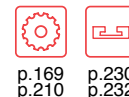
- Plates in thermoplastic wear resistant polyamide composite, black-coloured.
- Pins in special chrome-nickel stainless steel, work hardened for high resistance.

PRODUCT CODE	INTERNAL CODE	CHARACTERISTICS				
		Width L (mm)	Thickness S (mm)	Height h (mm)	Working Load Max N (21°C)	Weight kg/m
WRX 820 K325	6.50.040	82.5	4	9.5	1230	0.83
WRX 820 K343	6.50.043	87.0	4	9.5	1230	0.85
WRX 820 K350	6.50.060	88.9	4	9.5	1230	0.87
WRX 820 K400	6.50.070	101.6	4	9.5	1230	0.95
WRX 820 K450	6.50.080	114.3	4	9.5	1230	1.03

- Standard shipping lengths = 80 pitches = 10 feet = 3,048 metres.
- These chains can be supplied either with pins in austenitic stainless steel, work hardened, highly wear resistant.

AS 820 - ANTISTATIC ACETAL RESIN

- Plates in antistatic conductive acetal resin, black-coloured.
- Pins in special chrome-nickel stainless steel, work hardened for high resistance.



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PRODUCT CODE	INTERNAL CODE	CHARACTERISTICS				
		Width L (mm)	Thickness S (mm)	Height h (mm)	Working Load Max N (21°C)	Weight kg/m
AS 820 K325	6.30.040	82.5	4	9.5	1230	0.83
AS 820 K350	6.30.060	88.9	4	9.5	1230	0.87
AS 820 K400	6.30.070	101.6	4	9.5	1230	0.95
AS 820 K450	6.30.080	114.3	4	9.5	1230	1.03
AS 820 K600	6.30.100	152.4	4	9.5	1230	1.25
AS 820 K750	6.30.110	190.5	4	9.5	1230	1.47

- Standard shipping lengths = 80 pitches = 10 feet = 3,048 metres.
- These chains can be supplied either with pins in austenitic stainless steel, work hardened, highly wear resistant, or with pins in thermoplastic resin.

PPB 820 - CHEMICAL RESISTANT REINFORCED POLYPROPYLENE

- Plates in chemical resistant reinforced polypropylene, white-coloured.
- Pins in chrome-nickel austenitic stainless steel (18% Chrome – 8% Nickel), work hardened for high resistance.



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PRODUCT CODE	INTERNAL CODE	CHARACTERISTICS				
		Width L (mm)	Thickness S (mm)	Height h (mm)	Working Load Max N (21°C)	Weight kg/m
PPB 820 K325	6.40.040	82.5	4	9.5	1000	0.70
PPB 820 K350	6.40.060	88.9	4	9.5	1000	0.74
PPB 820 K400	6.40.070	101.6	4	9.5	1000	0.82
PPB 820 K450	6.40.080	114.3	4	9.5	1000	0.90
PPB 820 K600	6.40.100	152.4	4	9.5	1000	1.05
PPB 820 K750	6.40.110	190.5	4	9.5	1000	1.20

- Standard shipping lengths = 80 pitches = 10 feet = 3,048 metres.
- These chains can be supplied either with pins in austenitic stainless steel, 316 series, work hardened, highly wear resistant, or with pins in reinforced polypropylene.
- PPB chains dimensions are larger than those indicated in the drawing. To know dimensions refer to our Technical Department.

PBT 820 - EXTRA PERFORMANCE POLYESTER RESIN

- Plates in low friction polyester resin, green-coloured.
- Pins in special chrome-nickel stainless steel, work hardened for high resistance.



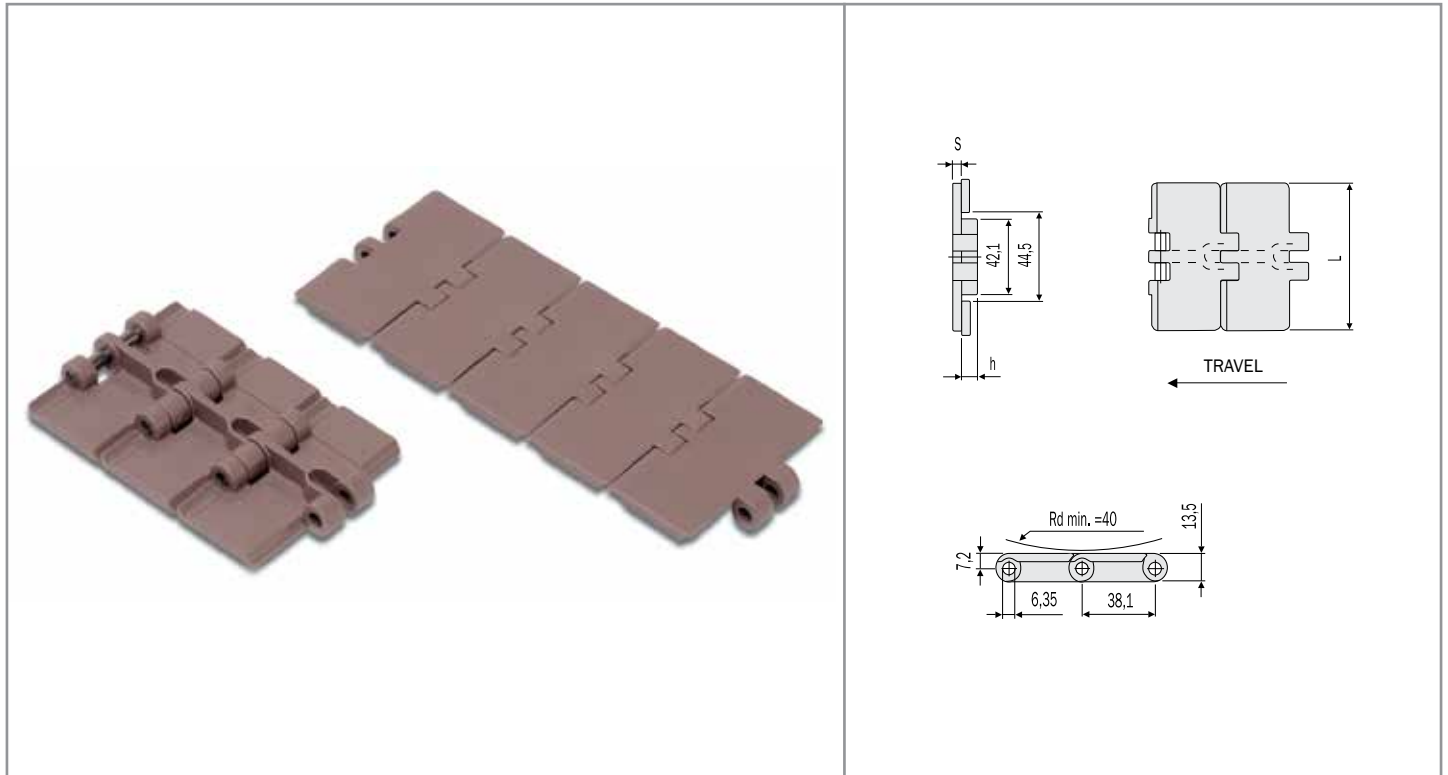
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PRODUCT CODE	INTERNAL CODE	CHARACTERISTICS				
		Width L (mm)	Thickness S (mm)	Height h (mm)	Working Load Max N (21°C)	Weight kg/m
PBT 820 K325	6.70.040	82.5	4	9.5	1230	0.83
PBT 820 K350	6.70.060	88.9	4	9.5	1230	0.85
PBT 820 K400	6.70.070	101.6	4	9.5	1230	0.95
PBT 820 K450	6.70.080	114.3	4	9.5	1230	1.03
PBT 820 K600	6.70.100	152.4	4	9.5	1230	1.25
PBT 820 K750	6.70.110	190.5	4	9.5	1230	1.47

- Standard shipping lengths = 80 pitches = 10 feet = 3,048 metres.
- The above-mentioned chains can also be produced in extra performance polyester resin, white-coloured.
- These chains can be supplied either with pins in austenitic stainless steel, work hardened, highly wear resistant, or with pins in thermoplastic resin.

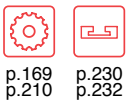
thermoplastic straight running chains

SINGLE HINGE - 831 SERIES - REINFORCED TOP PLATE



LFA 831 - LOW FRICTION ACETAL RESIN

- Plates in self-lubricating low friction acetal resin, light brown-coloured. **Top plate thickness 4,8mm.**
- Pins in special chrome-nickel stainless steel, work hardened for high resistance.

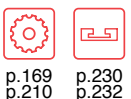


PRODUCT CODE	INTERNAL CODE	CHARACTERISTICS				
		Width L (mm)	Thickness S (mm)	Height h (mm)	Working Load Max N (21°C)	Weight kg/m
LFA 831 K325	6.11.040	82.5	4,8	8.7	1230	1.00
LFA 831 K330	6.11.042	83.8	4,8	8.7	1230	1.02
LFA 831 K400	6.11.070	101.6	4,8	8.7	1230	1.15
LFA 831 K450	6.11.080	114.3	4,8	8.7	1230	1.24
LFA 831 K600	6.11.100	152.4	4,8	8.7	1230	1.51
LFA 831 K750	6.11.110	190.5	4,8	8.7	1230	1.76

- Standard shipping lengths = 80 pitches = 10 feet = 3,048 metres.
- These chains can be supplied either with pins in austenitic stainless steel, work hardened, highly wear resistant, or with pins in thermoplastic resin.

SP 831 - SUPER PERFORMANCE ACETAL RESIN

- Plates in self-lubricating very low friction acetal resin, dark grey-coloured.
- Pins in special chrome-nickel stainless steel, work hardened for high resistance.

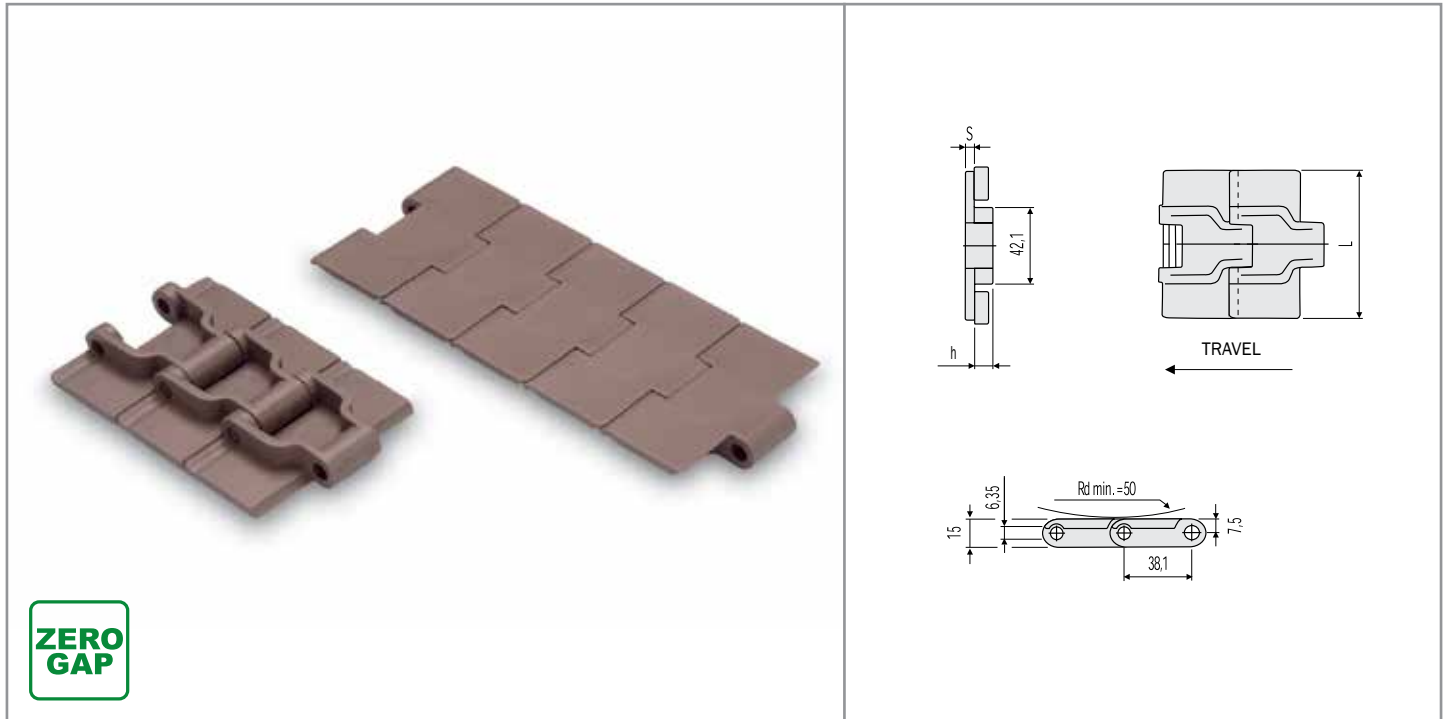


PRODUCT CODE	INTERNAL CODE	CHARACTERISTICS				
		Width L (mm)	Thickness S (mm)	Height h (mm)	Working Load Max N (21°C)	Weight kg/m
SP 831 K325	6.21.040	82.5	4,8	8.7	1230	1.00
SP 831 K330	6.21.042	83.8	4,8	8.7	1230	1.02
SP 831 K400	6.21.070	101.6	4,8	8.7	1230	1.15
SP 831 K450	6.21.080	114.3	4,8	8.7	1230	1.24
SP 831 K600	6.21.100	152.4	4,8	8.7	1230	1.51
SP 831 K750	6.21.110	190.5	4,8	8.7	1230	1.76

- Standard shipping lengths = 80 pitches = 10 feet = 3,048 metres.
- These chains can be supplied either with pins in austenitic stainless steel, work hardened, highly wear resistant, or with pins in thermoplastic resin.

thermoplastic straight running chains

SINGLE REINFORCED HINGE - 828 SERIES - HIGH LOAD CAPACITY



LFA 828 - LOW FRICTION ACETAL RESIN

- Plates in self-lubricating low friction acetal resin, light brown-coloured.
- Pins in special chrome-nickel stainless steel, work hardened for high resistance.



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PRODUCT CODE	INTERNAL CODE	CHARACTERISTICS				
		Width L (mm)	Thickness S (mm)	Height h (mm)	Working Load Max N (21°C)	Weight kg/m
LFA 828 K325	6.18.240	82.5	4	11	2100	1.05
LFA 828 K330	6.18.242	83.8	4	11	2100	1.08

SP 828 - SUPER PERFORMANCE ACETAL RESIN

- Plates in self-lubricating very low friction acetal resin, dark grey-coloured.
- Pins in special chrome-nickel stainless steel, work hardened for high resistance.



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PRODUCT CODE	INTERNAL CODE	CHARACTERISTICS				
		Width L (mm)	Thickness S (mm)	Height h (mm)	Working Load Max N (21°C)	Weight kg/m
SP 828 K325	6.28.240	82.5	4	11	2100	1.05
SP 828 K330	6.28.242	83.8	4	11	2100	1.08

AK 828 - HIGH WEAR RESISTANT ACETAL RESIN

- Plates in a very special acetal resin with aramidic fibers, dark grey-coloured.
- Pins in special chrome-nickel stainless steel, work hardened for high resistance.



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PRODUCT CODE	INTERNAL CODE	CHARACTERISTICS				
		Width L (mm)	Thickness S (mm)	Height h (mm)	Working Load Max N (21°C)	Weight kg/m
AK 828 K325	6.88.240	82.5	4	11	2100	1.05
AK 828 K330	6.88.242	83.8	4	11	2100	1.08

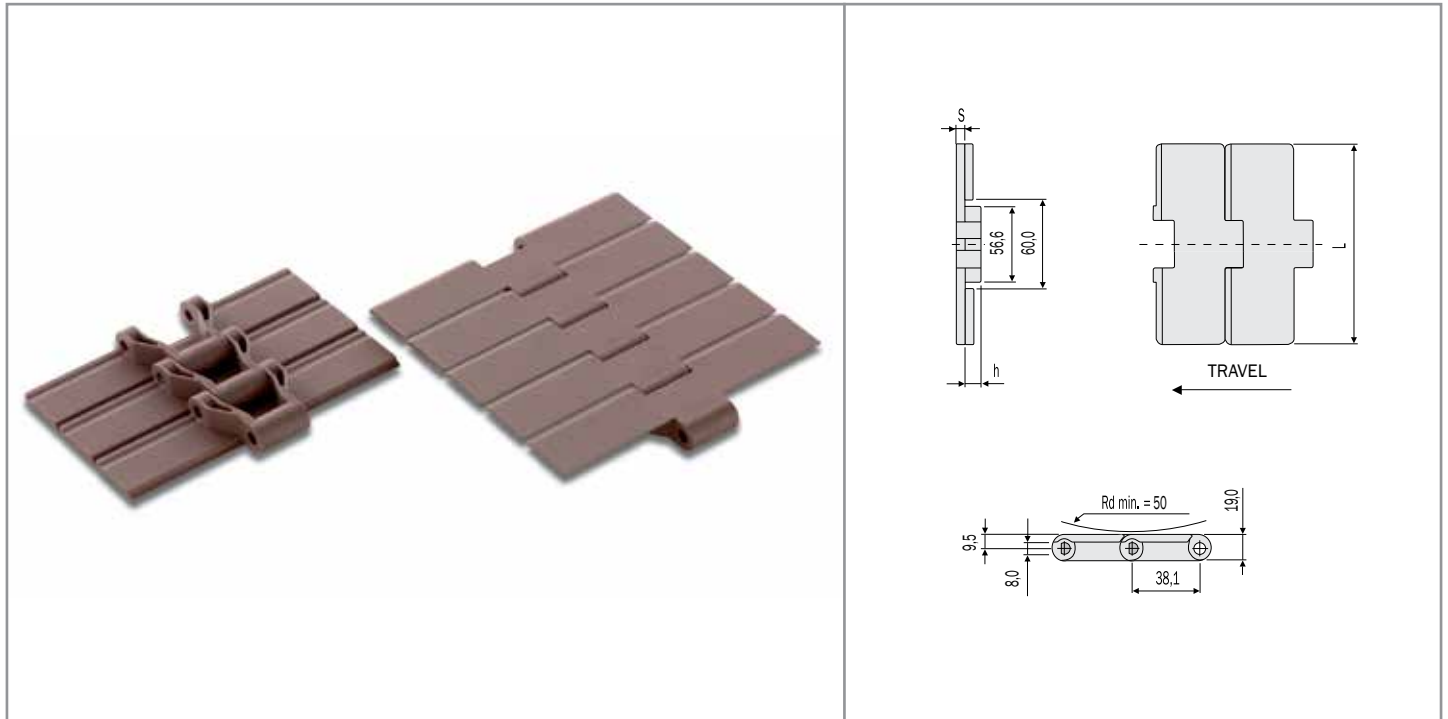
- Standard shipping lengths = 80 pitches = 10 feet = 3,048 metres.

- The above-mentioned chains can also be produced in special acetal resin, with aramidic fibers yellow-coloured. (FOR AK 828)

- These chains can be supplied either with pins in austenitic stainless steel, work hardened, highly wear resistant, or with pins in thermoplastic resin.

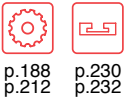
thermoplastic straight running chains

SINGLE REINFORCED HINGE - 8257 SERIES



LFA 8257 - LOW FRICTION ACETAL RESIN

- Plates in self-lubricating low friction acetal resin, light brown-coloured.
- Pins in special stainless steel, 400 series, work hardened, magnetic, highly wear resistant.

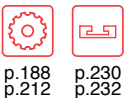


PRODUCT CODE	INTERNAL CODE	CHARACTERISTICS				
		Width L (mm)	Thickness S (mm)	Height h (mm)	Working Load Max N (21°C)	Weight kg/m
LFA 8257 K750	6.10.175	190.5	4,8	14.2	3830	2.20
LFA 8257 K1000	6.10.185	254.0	4,8	14.2	3830	2.55
LFA 8257 K1200	6.10.195	304.8	4,8	14.2	3830	2.90

- Standard shipping lengths = 80 pitches = 10 feet = 3,048 metres.
- These chains can be supplied either with pins in austenitic stainless steel, work hardened, highly wear resistant, or with pins in thermoplastic resin.

SP 8257 - SUPER PERFORMANCE ACETAL RESIN

- Plates in self-lubricating very low friction acetal resin, dark grey coloured.
- Pins in special stainless steel, 400 series, work hardened, magnetic, highly wear resistant.

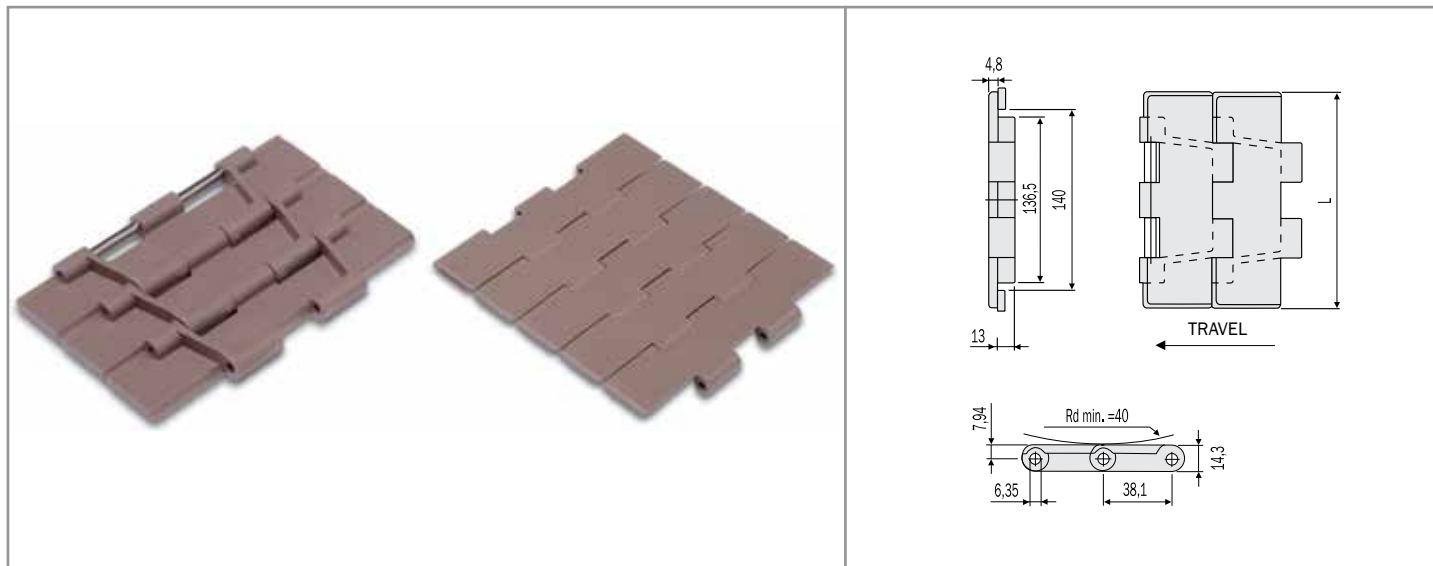


PRODUCT CODE	INTERNAL CODE	CHARACTERISTICS				
		Width L (mm)	Thickness S (mm)	Height h (mm)	Working Load Max N (21°C)	Weight kg/m
SP 8257 K750	6.20.175	190.5	4,8	14.2	3830	2.20
SP 8257 K1000	6.20.185	254.0	4,8	14.2	3830	2.55
SP 8257 K1200	6.20.195	304.8	4,8	14.2	3830	2.90

- Standard shipping lengths = 80 pitches = 10 feet = 3,048 metres.
- These chains can be supplied either with pins in austenitic stainless steel, work hardened, highly wear resistant, or with pins in thermoplastic resin.

thermoplastic straight running chains

DOUBLE HINGE - 821 SERIES



LFA 821 - LOW FRICTION ACETAL RESIN

- Plates in self-lubricating low friction acetal resin, light brown-coloured.
- Pins in special chrome-nickel stainless steel, work hardened for high resistance.



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PRODUCT CODE	INTERNAL CODE	CHARACTERISTICS		
		Width L (mm)	Working Load Max N (21°C)	Weight kg/m
LFA 821 K750	6.14.110	190.5	2680	2.50
LFA 821 K1000	6.14.120	254.0	2680	2.95
LFA 821 K1200	6.14.130	304.8	2680	3.25

SP 821 - SUPER PERFORMANCE ACETAL RESIN

- Plates in self-lubricating very low friction acetal resin, dark grey-coloured.
- Pins in special chrome-nickel stainless steel, work hardened for high resistance.



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PRODUCT CODE	INTERNAL CODE	CHARACTERISTICS		
		Width L (mm)	Working Load Max N (21°C)	Weight kg/m
SP 821 K750	6.24.110	190.5	2680	2.50
SP 821 K1000	6.24.120	254.0	2680	2.95
SP 821 K1200	6.24.130	304.8	2680	3.25

PPB 821 - CHEMICAL RESISTANT REINFORCED POLYPROPYLENE

- Plates in chemical resistant reinforced polypropylene, white-coloured.
- Pins in chrome-nickel austenitic stainless steel (18% Chrome - 8% Nickel), work hardened for high resistance.



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PRODUCT CODE	INTERNAL CODE	CHARACTERISTICS		
		Width L (mm)	Working Load Max N (21°C)	Weight kg/m
PPB 821 K750	6.44.110	190.5	2680	2.50
PPB 821 K1000	6.44.120	254.0	2680	2.95
PPB 821 K1200	6.44.130	304.8	2680	3.25

- Standard shipping lengths = 80 pitches = 10 feet = 3,048 metres.
- These chains can be supplied with pins in austenitic stainless steel, work hardened, highly wear resistant. (FOR LFA 821 - SP 821)
- These chains can be supplied with pins in austenitic stainless steel, 316 series, work hardened, highly wear resistant. (FOR PPB 821)
- PPB chains dimensions are larger than those indicated in the drawing. To know dimensions refer to our Technical Department.