

Rex - OPTI-Plus®

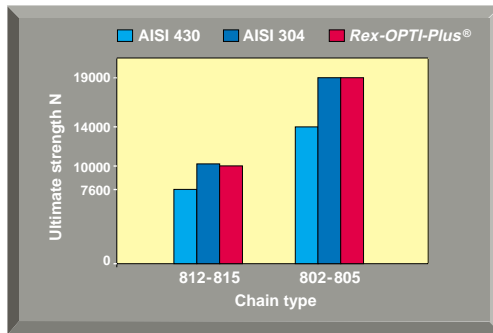
Special-Alloy Stainless Steel

In collaboration with the steel industry, Rexnord has developed a special exclusive alloy of chrome steel with nickel. This results in excellent strength properties, as well as improved corrosion-resistance.

The most outstanding properties of *Rex-OPTI-Plus*® are its high resistance to wear, its ground finish, and 40% higher strength.

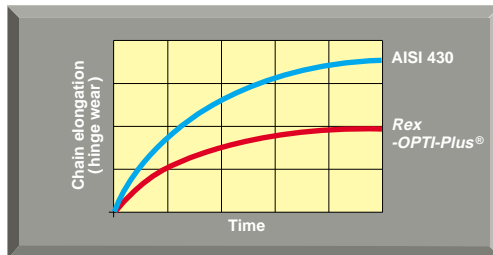
In addition no "break in" is required thus insuring maximum performance from startup. *Rex-OPTI-Plus*® is the preferred choice for new or replacement installations.

Load carrying capacity



Rex-OPTI-Plus® has a 40% higher load carrying capacity than standard ferritic alloys.

Longer sliding wear life



AISI 303

AISI 304

Stainless Steel

An austenitic steel generally known as 18/8 steel offering excellent corrosion and oxidation resistance.

Ideal for the food industry, dairy and cheese production, beer production, and the pharmaceutical industry.

Stainless steel is cold rolled and responsive to magnets.

Rex - HP™

High Performance

Rex HP™ High Performance.

Longer sliding wear life, reduced chain elongation, lowest available friction.

This material has the lowest coefficient of friction, available on the market.

This material is especially suitable for applications, where external lubrication is not possible.

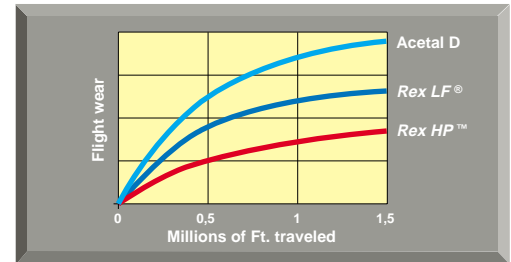
Operating temperature of *Rex HP*™ material:

in air (- 40 to + 80 °C)

in hot water (+ 65 °C)

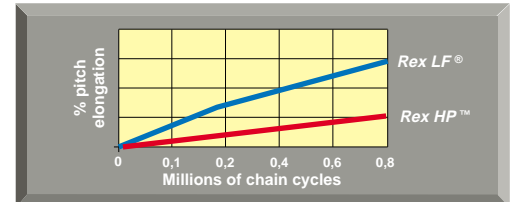
Colour: dark grey.

Longer sliding wear life *



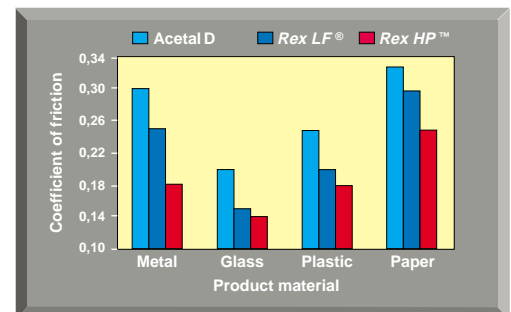
Rex HP™ high performance resin can increase wear life up to 40%. Extensive testing has proven that new HP material can reduce wear as much as 40% over acetal and 25% over *Rex LF*® acetal

Reduced chain elongation *

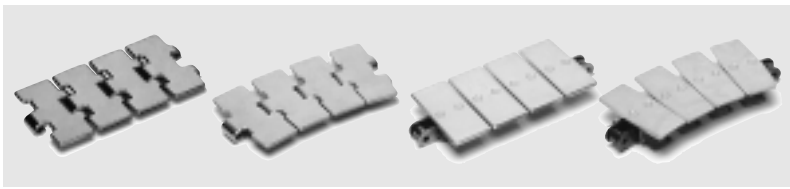


New technology virtually eliminates break-in stretch and reduces elongation due to wear. Through extensive testing, Rexnord has achieved the optimum design to minimize break-in wear while maximizing overall performance.

Lowest available friction *

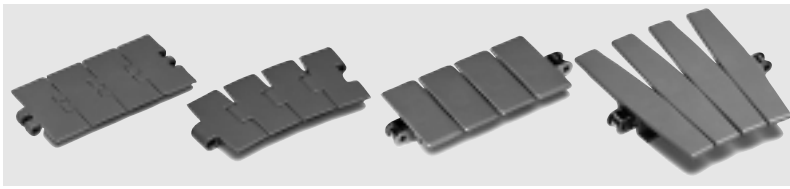


* = Graph shows comparative results at high-speed, dry operation.



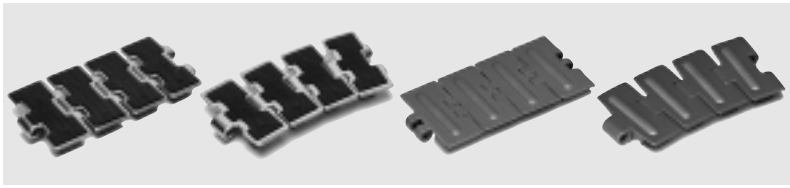
Steel TableTop® and Plate Top Chains

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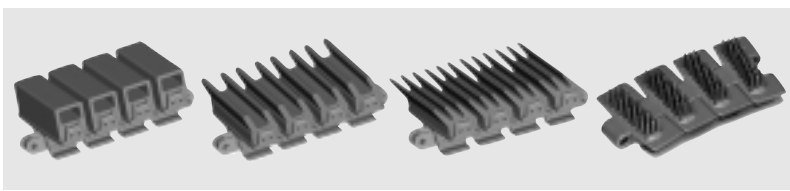
Thermoplastic TableTop® and Plate Top Chains

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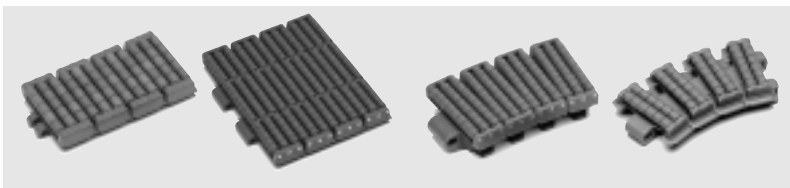
Chains for Incline Conveying

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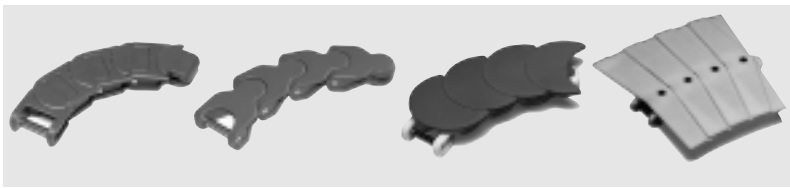
Gripper Chains

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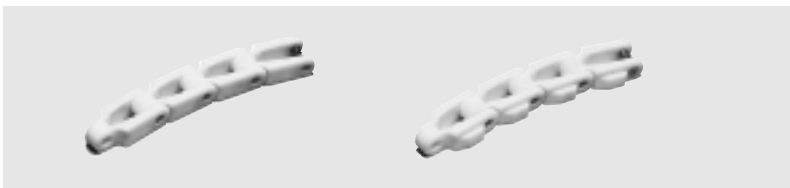
Low Backline Pressure Chains

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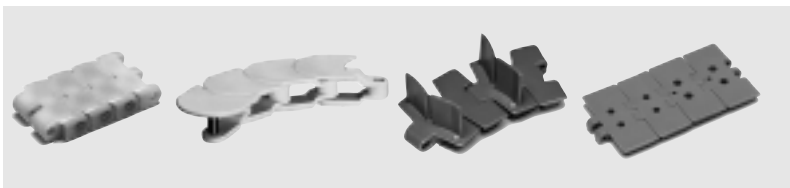
Multiflex Chains

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Case Conveyor Chains

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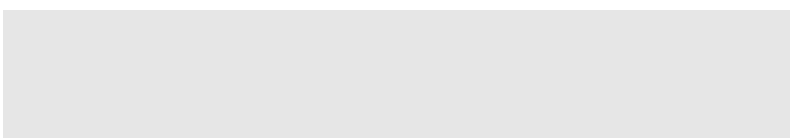
Special Chains

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Sprockets and Idler Wheels Corner Tracks and Straight Tracks

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Engineering Manual

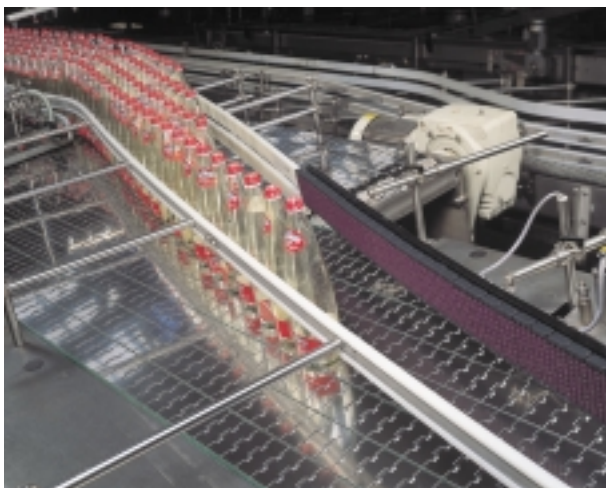
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Steel TableTop[®] and Plate Top Chains

Rex - **OPTI-Plus**[®] Chains

- *exclusive heat treated material*
- *improved ground surface finish*
- *reduced gap*
- *improved all around flatness*
- *improved harder pin material*
- *high wear resistance*
- *higher working load*
- *longer life and better product handling*



Steel TableTop® Chains

Straight Running

Steel TableTop® chains are especially suitable for:

- bottle transport (bottles in all shapes and sizes!)
- parts handling like bearings or gears

The above are just a few examples. Rexnord steel TableTop® chains can transport virtually anything!

Double hinge TableTop® chains, for especially high demands with regard to

- strength
- wear resistance

Rex - OPTI-Plus® = 40% higher strength, ground finish

Straight Running: Single Hinge, 38.1mm \triangleq 1½" Pitch

Rexnord Chain No.	Finish μm	Plate Material	Width K mm	Plate Gap G mm	Radius min. Rd mm	Weight kg/m
S815-K325* S815-K450 S815-K750		Carbon Steel Heat Treated	82,5 114,3 190,5	1,8	150	2,6 3,3 5,1
SS812-K325	0,3	Stainless Steel Material No. 1.4016	82,5	2,8	80	2,6
SSR812-K325 SSX812-K325	0,3 0,18	Rex - OPTI-Plus®	82,5	2,8	80	2,6 2,6
SSY812-K350	0,18		88,9	1,6	150	2,7
SSC812-K250	0,3		63,5	1,6	150	2,4
SSC812-K263*			66,8			2,4
SSC812-K300*			76,2			2,5
SSC812-K325			82,5			2,6
SSC812-K330*			83,8			2,6
SSC812-K350			88,9			2,7
SSC812-K400			101,6			3,0
SSC812-K450			114,3			3,3
SSC812-K600		152,4	4,2			
SSC812-K750		190,5	5,1			
SS815-K325* SS815-K400* SS815-K450 SS815-K600* SS815-K750*		Austenitic Steel Chrom Nickel 18/8	82,5 101,6 114,3 152,4 190,5	1,8	150	2,6 3,0 3,3 4,2 5,1

* = Available upon request and minimum order quantity.

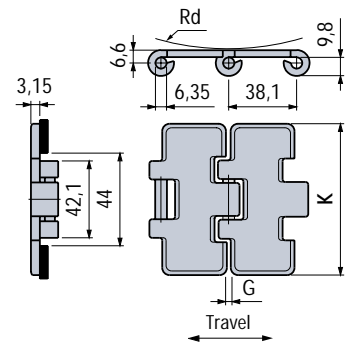
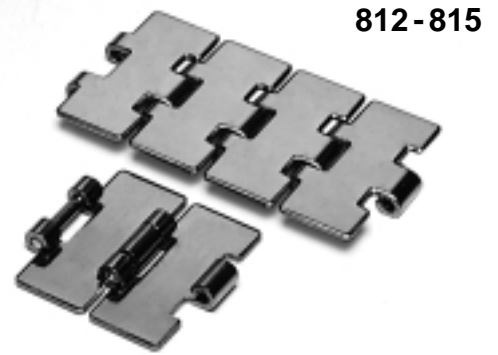
Pin material for S 815: case hardened steel.

Pin material for SS 812: stainless steel AISI 304.

Pin material for all other chains: wear resistant stainless steel.

Standard length: 80 pitches 10 ft (3.048 m)

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Straight Running: Double Hinge, 38.1 mm \triangleq 1½" Pitch

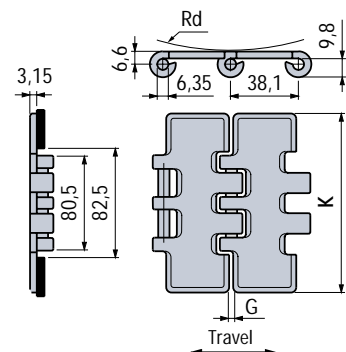
Rexnord Chain No.	Finish μm	Plate Material	Width K mm	Plate Gap G mm	Radius min. Rd mm	Weight kg/m
SS802-K750	0,6	Stainless Steel Material No. 1.4016	190,5	1,8	150	5,8
SSC802-K750	0,3	Rex - OPTI-Plus®	190,5	1,6	150	
SSC805 A-K750		Austenitic Steel Chrom Nickel 18/8	190,5	1,8	150	

Pin material for SSC 805: stainless steel AISI 304.

Pin material for all other chains: wear resistant stainless steel.

Standard length: 80 pitches 10 ft (3.048 m)

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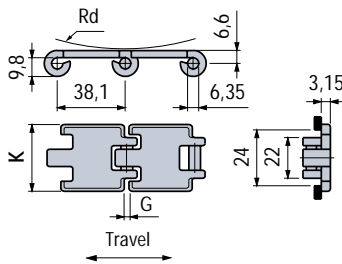


Series 512. Chains with one inch pitch are recommended for all applications involving the transport of small-sized products. A further advantage is their compact design.

Steel TableTop[®] Chains

Straight Running

SSR 812 - K 125/175



Rex - OPTI-Plus[®] = 40% higher strength, ground finish

Straight Running: Single Hinge, 38.1mm \triangleq 1 1/2" Pitch, Narrow Design

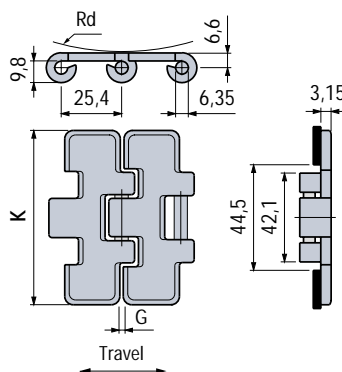
Rexnord Chain No.	Finish μm	Plate Material	Width K mm	Plate Gap G mm	Radius min. Rd mm	Weight kg/m
SSR812-K125 SSR812-K175	0,3	Rex - OPTI-Plus[®]	32,0 44,5	2,8	80	1,1 1,3

Pin material: wear resistant stainless steel
Standard length: 80 pitches 10 ft (3.048 m)

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512



Straight Running: Single Hinge, 25.4mm \triangleq 1" Pitch

Rexnord Chain No.	Finish μm	Plate Material	Width K mm	Plate Gap G mm	Radius min. Rd mm	Weight kg/m
SSC512-K217 SSC512-K236 SSC512-K250 SSC512-K283 SSC512-K325 SSC512-K350 SSC512-K400	0,6	Cr-Ni Steel	55,0 60,0 63,5 72,0 82,5 88,9 101,6	1,6	100	2,29 2,41 2,49 2,65 2,86 3,01 3,26

Pin material: wear resistant stainless steel
Standard length: 120 pitches 10 ft (3.048 m)

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Steel TableTop[®] Chains

Sideflexing

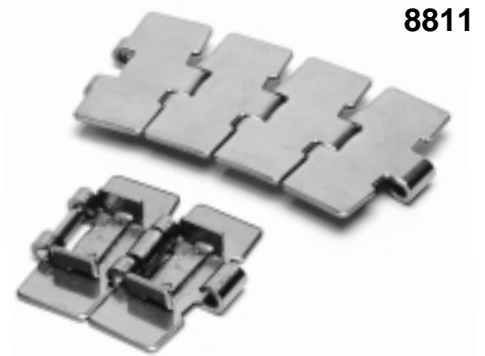
The higher demands placed on modern high-performance lines with regard to efficiency, safety and noise reduction led logically to the development of a new generation of sideflexing chains for:

- chains with bevelled guide shoes
- chains with hold-down tabs.

Its flatness and surface quality with circumferential chamfer as well as its distortion-free welding make this chain especially suitable for pressureless combiners.

The altered position and design of the hold-down tabs produce a self-cleaning effect and considerable increased stability.

Rex - OPTI-Plus[®] = 40% higher strength, ground finish



8811

Sideflexing: Single Hinge, 38.1mm \triangle 1 1/2" Pitch

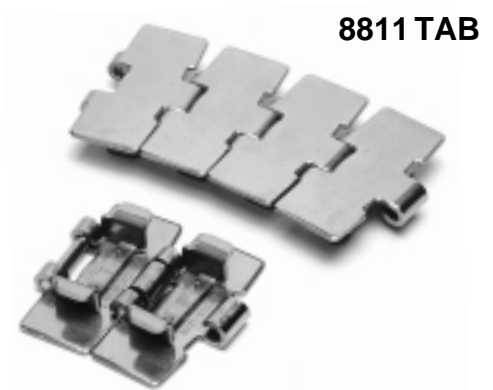
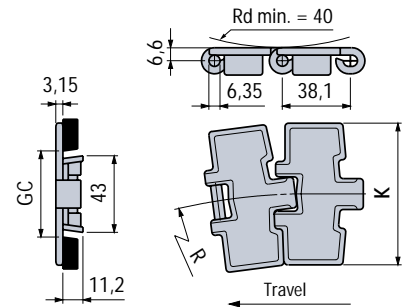
Rexnord Chain No.	Finish μm	Plate Material	Width K mm	Radius min. R mm	GC		Weight kg/m
					Straight mm	Curve mm	
SSC8811-K325	0,3	Rex - OPTI-Plus[®]	82,5	457	44,5	41,4	2,9
SSC8811-K350*			88,9	500			3,1
SSC8811-K450*			114,3	610			3,6
SSC8811-K750			190,5	610			5,3
SSX8811-K325*	0,18		82,5	457			2,9

* = Available upon request and minimum order quantity.
Pin material: wear resistant stainless steel
Standard length: 80 pitches 10 ft (3.048 m)

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8811 TAB

Sideflexing: Single Hinge, 38.1mm \triangle 1 1/2" Pitch

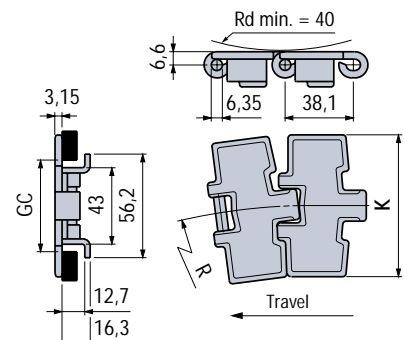
Rexnord Chain No.	Finish μm	Plate Material	Width K mm	Radius min. R mm	GC		Weight kg/m
					Straight mm	Curve mm	
SSC8811TAB-K325	0,3	Rex - OPTI-Plus[®]	82,5	457	46	44,2	3,1
SSC8811TAB-K350*			88,9	500			3,3
SSC8811TAB-K450			114,3	610			3,8
SSC8811TAB-K750			190,5	610			5,5
SSX8811TAB-K325	0,18		82,5	457			3,1

* = Available upon request and minimum order quantity.
Pin material: wear resistant stainless steel
Standard length: 80 pitches 10 ft (3.048 m)

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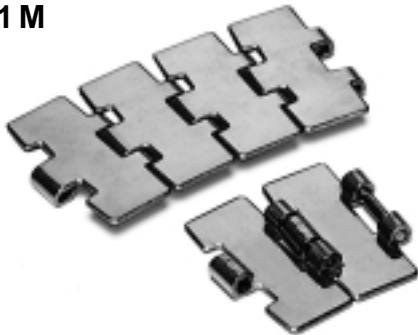
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Steel TableTop[®] Chains

Sideflexing

881 M



Rex - OPTI-Plus[®] = 40% higher strength, ground finish

Magnetic System

Sideflexing: Single Hinge, 38.1mm \triangleq 1 1/2" Pitch

Rexford Chain No.	Finish μm	Plate Material	Width K mm	Radius min. R mm	GC		Weight kg/m
					Straight mm	Curve mm	
SSC 881 M - K325	0,3	Rex - OPTI-Plus[®]	82,5	457	45	44,2	2,5
SSC 881 M - K450			114,3	500			3,2
SSC 881 M - K750			190,5	500			4,9
SSX 881 M - K325	0,18		82,5	457			2,5

Pin material: wear resistant stainless steel
Standard length: 80 pitches 10 ft (3.048 m)

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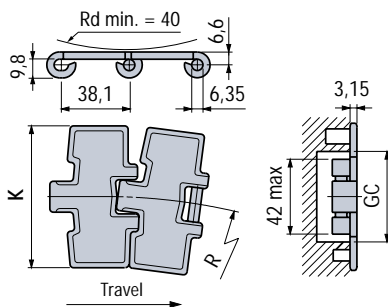


Plate Top Chains

With Steel Top Plates

Series 1864. Plate top chains with steel top plates are especially suitable for heavy loads, long distances and high speeds. The chain consists of a base roller chain with steel plates welden on. Similarly to the TableTop® chains, various steel alloys are available for the plates. The gap between the plates is 1,6 mm wide.

Series 1874 TAB. The sideflexing plate top chain utilizes the advantage of a precision built base roller chain with "snap on" top plates to form a continuous flat conveying surface. Hold-down tabs are used to provide positive retention in curves and inclines.

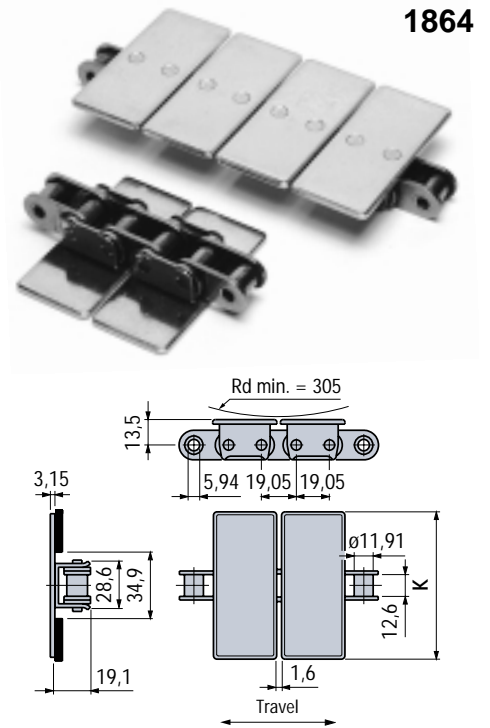
Straight Running

Straight Running: Steel and Stainless Steel Top Plates, 19.05mm \triangleq 3/4" Pitch

Rexnord Chain No.	Material		Width K mm	Weight kg/m
	Base Chain	Top Plate		
1864-K325 1864-K450	Steel	Steel	82,5 114,3	3,33 4,0
1864A-K325 1864A-K450*	Steel	Stainless Steel	82,5 114,3	3,33 4,0
1864SS-K325* 1864SS-K450	Stainless Steel	Stainless Steel	82,5 114,3	3,33 4,0

* = Available upon request and minimum order quantity.
Standard length: 160 pitches 10 ft (3.048 m)

Standard ANSI 60



Sideflexing

Sideflexing: Steel and Stainless Steel Top Plates, 19.05 mm \triangleq 3/4" Pitch

Rexnord Chain No.	Material		Width K mm	Radius min. R mm	GC		Weight kg/m
	Base Chain	Top Plate			Straight mm	Curve mm	
1874TAB-K325 1874TAB-K450 1874TAB-K600 1874TAB-K750	Steel	Steel	82,5 114,3 152,4 190,5	381 381 457 610	34,1	34,6	4,2 4,8 5,7 6,4
1874TABSS-K325 1874TABSS-K450 1874TABSS-K600 1874TABSS-K750	Stainless Steel	Stainless Steel	82,5 114,3 152,4 190,5	381 381 457 610	34,1	34,6	4,2 4,8 5,7 6,4

Standard length: 160 pitches 10 ft (3.048 m)

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Standard ANSI 60

