

Rexnord has a wide variety of Plate Top and Gripper chains. The roller chain based Plate Top is developed for greater loading capacity and permits even higher speeds and longer runs than slatband chains. The roller based Gripper is perfect for product elevating, lowering, rinsing, sterilizing and inverting, by means of soft rubber gripper elements. The base chain is made of steel or stainless steel.



Features

Plate Top chains

These chains permit a huge loading capacity, higher speeds and longer runs with a single drive. The straight running 843- and the 1843-series have a roller base chain ANSI 40. The 12.7 mm small pitch reduces the sagging effect and permits the use of smaller sprockets. They are recommended for step by step positioning. The straight running 1864- and 963-series have a roller base chain ANSI 60. The sideflexing 1874-, 1873-, and 3873-series have a roller base chain, Side Bow ANSI 63 SB. They also very suitable for step by step positioning. Plate Top chains fitted with steel top plates are designed for abrasive and heavy duty or high-temperature conditions. 963- 1873- and 3873-series, with “snap-on” plastic top plates combine the benefits of a plastic conveying surface with those of a precision roller base chain: less slip-stick, high working load and accurate positioning; the replaceable top plates are clipped on to the protruding pins.

Gripper chains

Main applications of Plate Top Gripper chains can be found in glass works. However, they can be used in various other situations, such as crate handling and can manufacturing. Typical Gripper solutions are omegas for easy crossing of production lines, all lifting and lowering with Gripper chain elevators. The grippers are provided in 2- or 3-finger grippers for smaller products and in D-type Grippers for other applications.

Connection links

All roller based chains are supplied in 10ft sections and provided with a connection link, so that the chains can be coupled very easily.

Sprockets

Plate Top chains don't require special sprockets. Standard ANSI 40 and 60 sprockets will fit; therefore they are not part of Rexnord's standard offering.

Programme

Plate Top	
1864	Straight running chains with steel top plates, suitable for heavy loads, long distances and high speeds. The chain consists of a base roller chain with welded on top plates in various steel alloys. The gap between the plates is 1.6 mmwide
963	Straight running chains with plastic overlapping top plates, therefore a uni-directional travel. The continuous surface facilitates stability and eases operations with unstable products
843	Straight running chains with plastic overlapping top plates, clipped on the protruding pins. Uni-directional travel
1843 TAB	Sideflexing tab chains with plastic top plates. Same construction as 843
1874 TAB	Sideflexing chains with steel "snap-on" top plates to form a continuous flat conveying surface. Hold-down tabs provide positive retention in curves and inclines. They will be used in abrasive and heavy duty or high-temperature conditions
1873 TAB	Sideflexing chains with plastic top plates; bi-directional travel. Also available with a rubber, anti-slip insert for inclined conveying up to 25°. The TAB guides permit to continue either from an inclined run to a plain one or vice versa
3873 TAB	Sideflexing chains with plastic top plates for a continuous surface, even in tight radius. Perfect for transport of trays. The Polycarbonate top plates are extreme resistant against impact

Gripper	
1874 TAB	Fitted with steel top plates for abrasive or high-temperature conditions. The base is a standard roller chain Side Bow ANSI 63 SB. The gripper elements are available as GD (smooth pad) and GJ (grooved pad); as clipped on they are easily replaceable. The clip for the TAB guide is riveted on the top plate.
1843 TAB	Fitted with thermoplastic top plates for a quieter and smoother operation; these mini-gripper chains enable reduction of plant weight, increase of conveying speed and dry service. The base is a standard roller chain Side Bow ANSI 43 SB. The clipped on gripper elements are available as GD (smooth pad) and GJ (grooved pad). These chains are specially suited for conveying ampoules, test tubes and other minute products, such as small industrial components
1873 TAB	Fitted with thermoplastic top plates for a quieter and smoother operation, enabling reduction of plant weight, increase of conveying speed and dry service. The base chain is a standard roller chain Side Bow ANSI 63 SB. GSD/GS2J/GS3J grippers are clipped on for easy replacement, GDB/GJB grippers are resistant to bending.

The chain description consists of respectively the material, type, plate width in inches, GRIP for grippers and a code indicating the gripper execution: D for D-style grippers, providing a smooth pad or flat surface; J for grooved path, in some cases combined with the number of gripper fingers per link.

Application

Plate Top Chain Type	Clean, dry, light duty	Clean, wet, light duty	Abrasive, dry, light duty	Abrasive, wet, light duty	Clean, dry, heavy duty	Clean, wet, heavy duty	Abrasive, dry, heavy duty	Abrasive, wet, heavy duty	Incline conveyor
1864									
1864 SS									
963									
843									
1843 TAB									
1874 TAB									
1873 TAB, LF Top Plate									
3873 TAB									
HFP 1873 TAB									

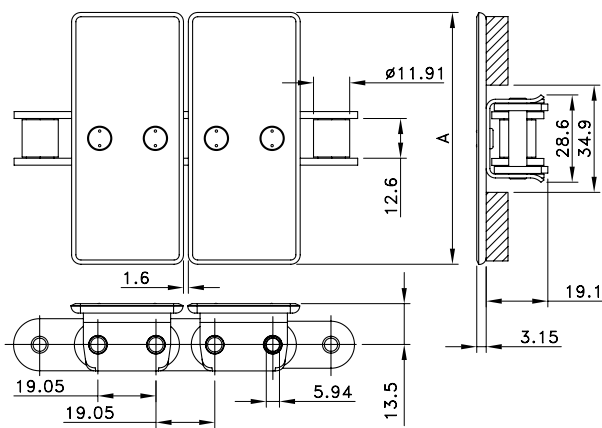
Application

Gripper Chain Type	Small empty product elevator	Small full product elevator	Large empty product elevator	Large full product elevator	Rinser application, ambient	Rinser application, high temperature
1874 TAB, Stainless Steel Top Plate						
1843 TAB, LF top plate						
1873 TAB, HP top plate						
1873 TAB, LF top plate						

Steel base chains are recommended for dry applications, stainless steel base chains are recommended for wet applications.

Optional Best choice

Straight Run ¾" Pitch Steel Top Plate

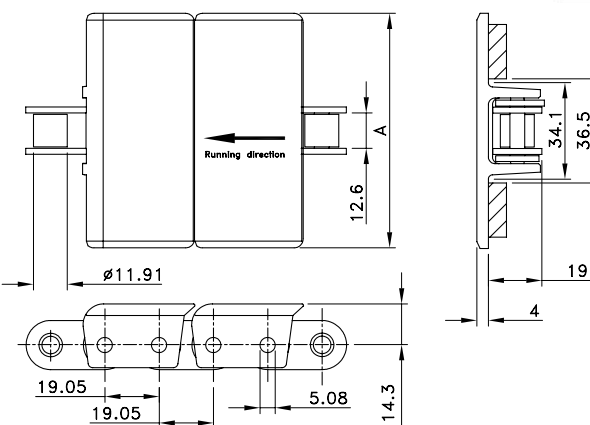


Chain Type	Code Number	Plate Width		Weight	Working Load (max.)
		A			
		mm	inch	kg/m	N (21°C)
Steel Top Plate/Steel Base Chain					
S1864 S-3.25IN	10144787	82.5	3.25	3.33	4500
S1864 S-4.5IN	10144788	114.3	4.50	4.00	
S1864 S-6IN	10144789	152.4	6.00	4.40	
S1864 S-7.5IN	10144790	190.5	7.50	4.80	
Stainless Steel Top Plate/Stainless Steel Base Chain					
SS1864 SS-3.25IN	10144792	82.5	3.25	3.33	3400
SS1864 SS-4.5IN	10144793	114.3	4.50	4.00	
SS1864 SS-6IN	10144794	152.4	6.00	4.40	
SS1864 SS-7.5IN	10144795	190.5	7.50	4.80	

Standard length: 3.048 m – 10 feet (160 links). Min. backflex radius 305 mm.



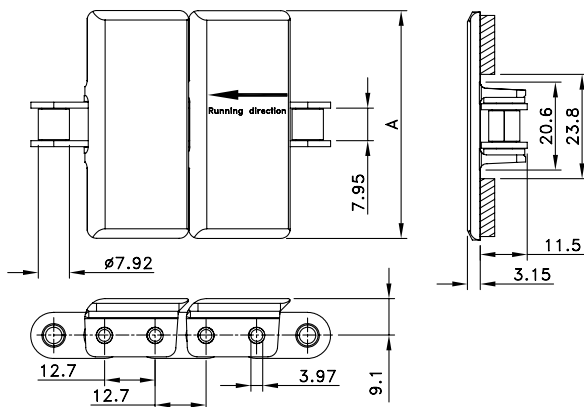
Straight Run ¾" Pitch Plastic Top Plate



Chain Type	Code Number	Plate Width		Weight	Working Load (max.)
		A			
		mm	inch	kg/m	N (21°C)
LF-Acetal Top Plate/Steel Base Chain					
LF963 S-3.25IN	10177766	82.5	3.25	2.10	2700
LF963 S-4.5IN	10177768	114.3	4.50	2.23	
LF963 S-6IN	10177770	152.4	6.00	2.53	
LF963 S-7.5IN	10177771	190.5	7.50	2.68	
LF-Acetal Top Plate/Stainless Steel Base Chain					
LF963 SS-3.25IN	10177772	82.5	3.25	2.10	1900
LF963 SS-4.5IN	10177773	114.3	4.50	2.23	
LF963 SS-6IN	10177774	152.4	6.00	2.53	
LF963 SS-7.5IN	10177775	190.5	7.50	2.68	

Standard length: 3.048 m – 10 feet (160 links). Min. backflex radius 153 mm.

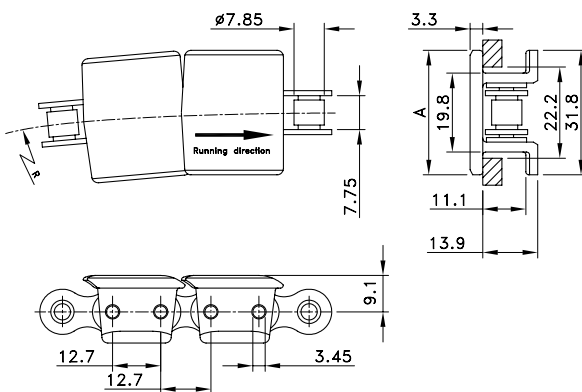
Straight Run ½" Pitch Plastic Top Plate



Chain Type	Code Number	Plate Width A		Weight	Working Load (max.)
		mm	inch	kg/m	N (21°C)
LF-Acetal Top Plate/Steel Base Chain					
LF843-1.38IN	10373764	34.9	1.38	0.83	2700
LF843-1.44IN	10373765	36.5	1.44	0.84	
LF843-2IN	10373766	50.8	2.00	0.89	
LF843-3.25IN	10373767	82.5	3.25	1.03	
LF-Acetal Top Plate/Stainless Steel Base Chain					
LF843 SS-1.375IN	10177709	34.9	1.38	0.83	1900
LF843 SS-1.438IN	10177710	36.5	1.44	0.84	
LF843 SS-2IN	10177711	50.8	2.00	0.89	
LF843 SS-3.25IN	10177712	82.5	3.25	1.03	

Standard length: 3.048 m – 10 feet (240 links).
Min. backflex radius 153 mm.

Sideflex ½" Pitch Tab Plastic Top Plate



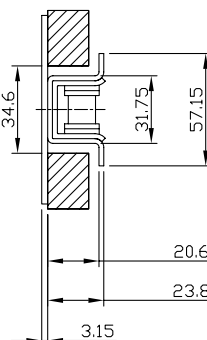
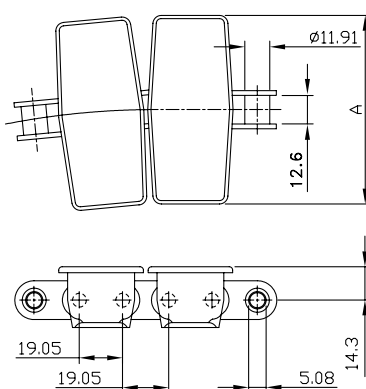
1843 MO Pin Plate
(Part #10084585)
Identifies Connector Link



Upon request

Chain Type	Code Number	Plate Width A		Weight	Loose Top Plate	Working Load (max.)	Sideflex Radius (min)	Connection Link	
		mm	inch	kg/m	Code Number	N (21°C)	mm	Type	Code Number
LF-Acetal Top Plate/Steel Base Chain									
LF1843TAB S-1.25IN	10177561	31.8	1.25	0.74	10365405	2700	254	CONN LINK 1843 S	10084585
LF1843TAB S-2IN	10177562	50.8	2.00	0.90	10365406				

Standard length: 3.048 m – 10 feet (240 links).
Min. backflex radius 102 mm.

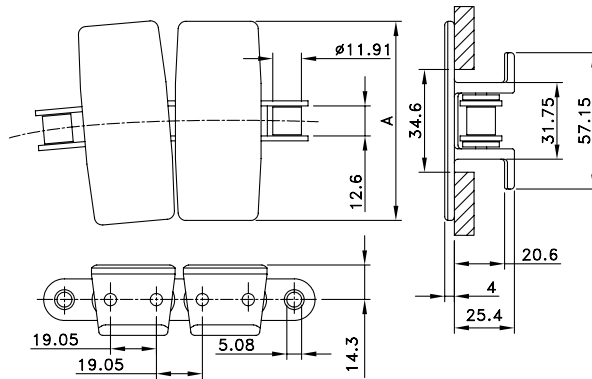


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63 (SS) MO Pin Plate
(Part #10137637)
Identifies Connector Link

Standard length: 3.048 m – 10 feet (160 links).
Min. backflex radius 254 mm.

Sideflex ¾" Pitch Tab Plastic Top Plate



63 Pin Plate
(Part #10370501)
Identifies Connector Link



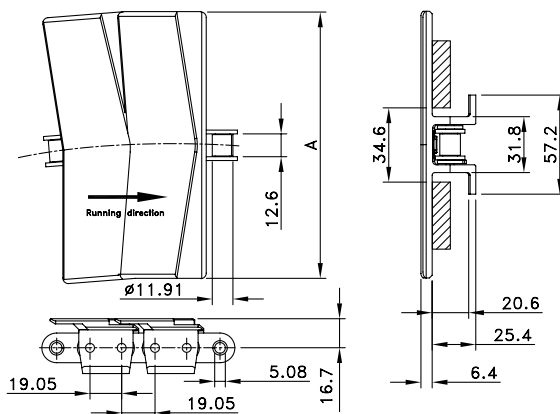
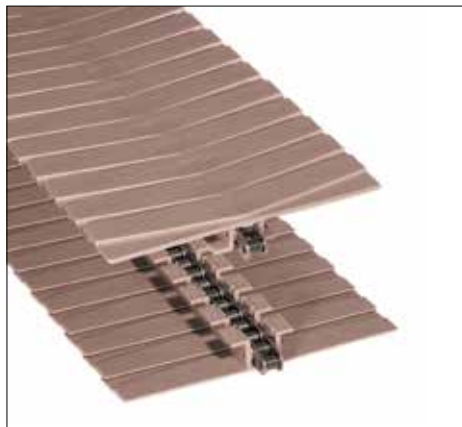
63 (SS) MO Pin Plate
(Part #10137637)
Identifies Connector Link



Chain Type	Code Number	Plate Width		Weight	Loose Top Plate	Working Load (max.)	Sideflex Radius (min)	Connection Link	
		mm	inch					kg/m	Code Number
LF-Acetal Top Plate/Steel Base Chain									
LF1873TAB S-3.25IN	10177569	82.5	3.25	2.10	10365410	4500	390	CL 63_ BTL SP	10370501
LF1873TAB S-4.5IN	10177570	114.3	4.50	2.30	10365524		457		
LF1873TAB S-6IN	10177571	152.4	6.00	2.40	10365525				
LF1873TAB S-7.5IN	10177572	190.5	7.50	2.60	10365523				
LF1873TAB S-10IN	10177566	254.0	10.00	2.80	10365522				
LF1873TAB S-12IN	10177567	304.8	12.00	3.00	10365526				
LF-Acetal Top Plate/Stainless Steel Base Chain									
LF1873TAB SS-3.25IN	10177576	82.5	3.25	2.10	10365410	3400	390	CL 63 SS_KRV UKS BTL SP	10137637
LF1873TAB SS-4.5IN	10177577	114.3	4.50	2.30	10365524		457		
LF1873TAB SS-6IN	10177578	152.4	6.00	2.40	10365525				
LF1873TAB SS-7.5IN	10177579	190.5	7.50	2.60	10365523				
LF1873TAB SS-10IN	10177573	254.0	10.00	2.80	10365522				
LF1873TAB SS-12IN	10177574	304.8	12.00	3.00	10365526				

Standard length: 3.048 m – 10 feet (160 links). Min. backflex radius 305 mm.

Sideflex ¾" Pitch Tab Plastic Top Plate Closed Surface



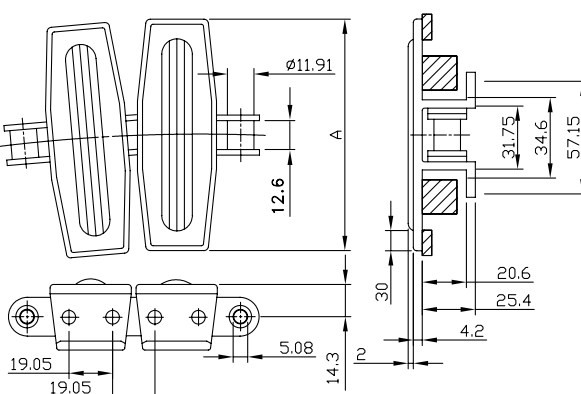
63 (SS) MO Pin Plate
(Part #10137637)
Identifies Connector Link



Chain Type	Code Number	Plate Width A		Weight	Loose Top Plate	Working Load (max.)	Sideflex Radius (min)	Connection Link	
		mm	inch					kg/m	Code Number
LF-Acetal Top Plate/Stainless Steel Base Chain									
LF3873TAB SS-10IN	10177583	254.0	10.00	3.10	10069624	3400	457	CL 63 SS_KRV UKS BTL SP	10137637

Standard length: 3.048 m – 10 feet (160 links).
Min. backflex radius 178 mm.

Sideflex ¾" Pitch Tab Plastic Top Plate With Rubber



63 Pin Plate
(Part #10370501)
Identifies Connector Link



63 (SS) MO Pin Plate
(Part #10137637)
Identifies Connector Link

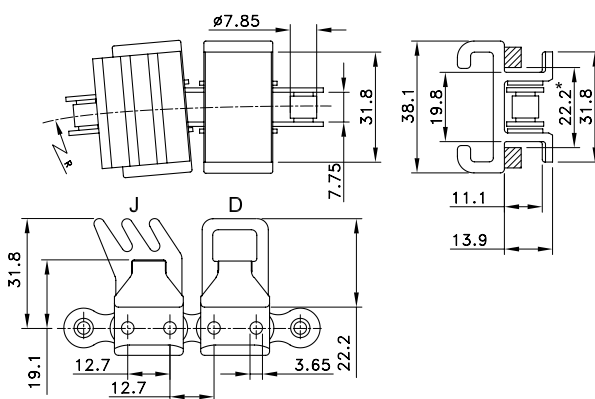


Chain Type	Code Number	Plate Width A		Weight	Loose Top Plate	Working Load (max.)	Sideflex Radius (min)	Connection Link	
		mm	inch	kg/m	Code Number	N (21°C)	mm	Type	Code Number
LF-Acetal Top Plate/Steel Base Chain									
LF1873TAB SG S-7.5IN 1SGD60 T1P	10177531	190.5	7.50	3.10	10177526	4500	457	CL 63_BTL SP	10370501
LF1873TAB SG-10IN D60	10373916	254.0	10.00	3.40	10177527				
LF1873TAB SG S-12IN 1SGD60 T1P	10177529	304.8	12.00	3.60	10177528		610		
LF-Acetal Top Plate/Stainless Steel Base Chain									
LF1873TAB SG SS-7.5IN 1SGD60 T1P	10177532	190.5	7.50	3.10	10177526	3400	457	CL 63 SS_KRV UKS BTL SP	10137637
LF1873TAB SG-10IN D60 SS	10373925	254.0	10.00	3.40	10177527				
LF1873TAB SG SS-12IN 1SGD60 T1P	10373923	304.8	12.00	3.60	10177528		610		

Standard length: 3.048 m – 10 feet (160 links).
Rubber: SEBS grey; 60 shore A hardness. Other rubber patterns and materials are possible.
Min. backflex radius 305 mm.

Minimum order quantity 30.48 m – 100 feet.

Gripper ½" Pitch Plastic Tab



1843 MO Pin Plate
(Part #10084585)
Identifies Connector Link



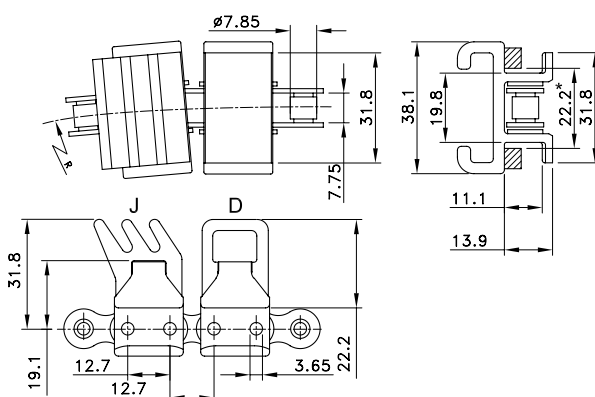
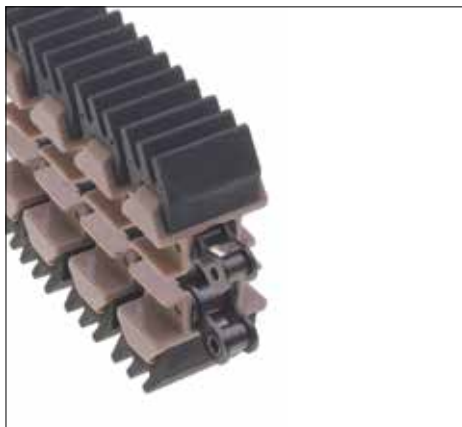
1843 (SS) MO Pin Plate
(Part #10084587)
Identifies Connector Link



Chain Type	Code Number	Plate Width A		Weight	Working Load (max.)	Sideflex Radius (min)	Connection Link	
		mm	inch	kg/m	N (21°C)	mm	Type	Code Number
LF-Acetal Top Plate/Steel Base Chain								
LF1843TAB GRIP S-1.5IN D NEO BK 40	10373972	38.1	1.50	1.20	2700	254	CONN LINK 1843 S	10084585
LF-Acetal Top Plate/Stainless Steel Base Chain								
LF1843TAB GRIP SS-1.5IN D NEO BK 40	10373974	38.1	1.50	1.20	1900	254	CONN LINK 1843 SS	10084587

Standard length: 3.048 m – 10 feet (240 links).

3-Finger Gripper ½" Pitch Plastic Tab



1843 MO Pin Plate
(Part #10084585)
Identifies Connector Link



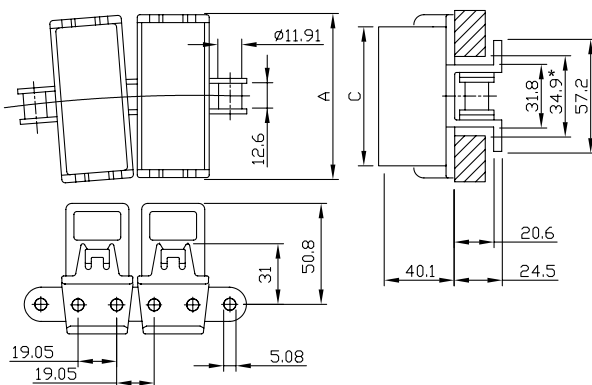
1843 (SS) MO Pin Plate
(Part #10084587)
Identifies Connector Link



Chain Type	Code Number	Plate Width		Weight	Working Load (max.)	Sideflex Radius (min)	Connection Link						
		A					mm	inch	kg/m	N (21°C)	mm	Type	Code Number
		mm	inch										
LF-Acetal Top Plate/Steel Base Chain													
LF1843TAB GRIP S-1.5IN J NEO BK 40SH	10177557	38.1	1.50	1.20	2700	254	CONN LINK 1843 S	10084585					
LF-Acetal Top Plate/Stainless Steel Base Chain													
LF1843TAB GRIP SS-1.5IN J NEO BK 40	10373975	38.1	1.50	1.20	1900	254	CONN LINK 1843 SS	10084587					

Standard length: 3.048 m – 10 feet (240 links).

Snap-On Closed Gripper ¾" Pitch Plastic Tab



63 Pin Plate
(Part #10370501)
Identifies Connector Link

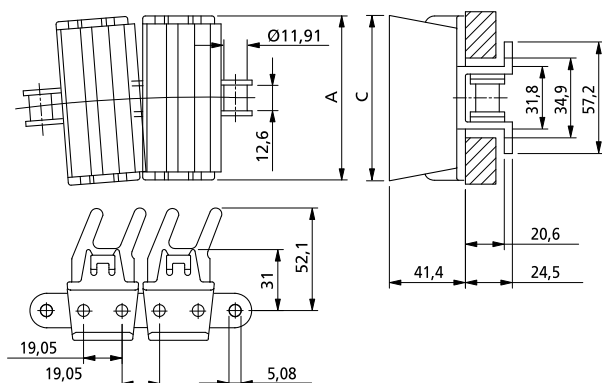
63 (SS) MO Pin Plate
(Part #10137637)
Identifies Connector Link



Chain Type	Code Number	Plate Width A		Gripper Width C	Weight	Working Load (max.)	Sideflex Radius (min)	Connection Link	
		mm	inch	mm	kg/m	N (21°C)	mm	Type	Code Number
HP-Acetal Top Plate/Steel Base Chain									
HP1873TAB GRIP S-3.25IN SD EPDM GY 50	10373940	82.5	3.25	70	2.90	4500	381	CL 63_BTL SP	10370501
HP1873TAB GRIP S-4.5IN SD EPDM GY 50	10373938	114.3	4.50	102	3.00				
HP-Acetal Top Plate/Stainless Steel Base Chain									
HP1873TAB GRIP SS-3.25IN SD EPDM GY 50	10373944	82.5	3.25	70	2.90	3400	381	CL 63_SS_KRV UKS BTL SP	10137637
HP1873TAB GRIP SS-4.5IN SD EPDM GY 50	10373936	114.3	4.50	102	3.00				

Standard length: 3.048 m – 10 feet (160 links).

Snap-On 2-Finger Gripper ¾" Pitch Plastic Tab



63 Pin Plate
(Part #10370501)
Identifies Connector Link

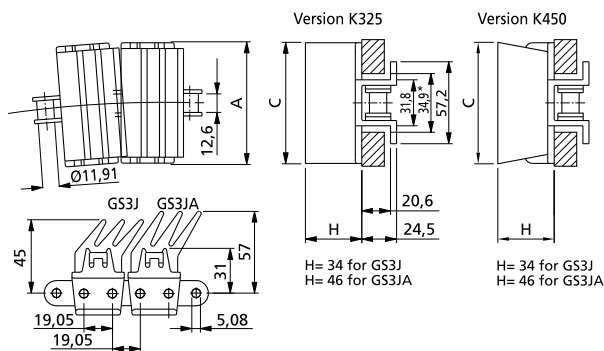
63 (SS) MO Pin Plate
(Part #10137637)
Identifies Connector Link



Chain Type	Code Number	Plate Width A		Gripper Width C	Weight	Working Load (max.)	Sideflex Radius (min)	Connection Link	
		mm	inch	mm	kg/m	N (21°C)	mm	Type	Code Number
HP-Acetal Top Plate /Steel Base Chain									
HP1873TAB GRIP S-3.25IN S2J EPDM BK 45	10373939	82.5	3.25	77	2.90	4500	381	CL 63_ BTL SP	10370501
HP1873TAB GRIP S-4.5IN S2J EPDM BK 45	10373941	114.3	4.50	108	3.00				
HP-Acetal Top Plate /Stainless Steel Base Chain									
HP1873TAB GRIP SS-3.25IN S2J EPDM BK 45	10373943	82.5	3.25	77	2.90	3400	381	CL 63 SS_KRV UKS BTL SP	10137637
HP1873TAB GRIP SS-4.5IN S2J EPDM BK 45	10373945	114.3	4.50	108	3.00				

Standard length: 3.048 m – 10 feet (160 links).

Snap-On 3-Finger Gripper ¾" Pitch Plastic Tab



63 Pin Plate
(Part #10370501)
Identifies Connector Link

63 (SS) MO Pin Plate
(Part #10137637)
Identifies Connector Link

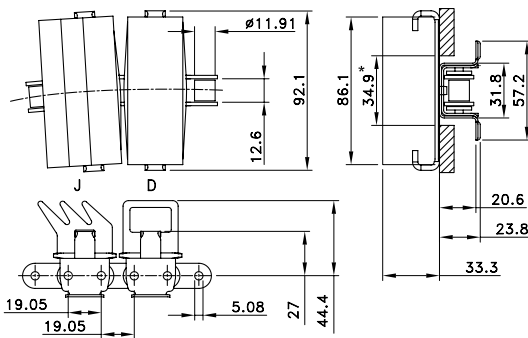


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Chain Type	Code Number	Plate Width A		Gripper Width C	Weight	Working Load (max.)	Sideflex Radius (min)	Connection Link	
		mm	inch	mm	kg/m	N (21°C)	mm	Type	Code Number
HP-Acetal Top Plate/Steel Base Chain									
HP1873TAB GRIP S-3.25IN S3J EPDM GY 55	10301910	82.5	3.25	82.5	2.90	4500	381	CL 63_BTL SP	10370501
HP1873TAB GRIP S-4.5IN S3J EPDM GY 55	10373932	114.3	4.50	107	3.00				
HP-Acetal Top Plate/Stainless Steel Base Chain									
HP1873TAB GRIP SS-3.25IN S3J EPDM GY 55	10373942	82.5	3.25	82.5	2.90	3400	381	CL 63 SS_KRV UKS BTL SP	10137637
HP1873TAB GRIP SS-4.5IN S3J EPDM GY 55	10373917	114.3	4.50	107	3.00				
HP-Acetal Top Plate/Steel Base Chain									
HP1873TAB GRIP S-3.25IN S3JA EPDM GY 45	10177525	82.5	3.25	82.5	2.90	4500	381	CL 63_BTL SP	10370501
HP1873TAB GRIP S-4.5IN S3JA EPDM BK 45	10373933	114.3	4.50	109	3.00				
HP-Acetal Top Plate/Stainless Steel Base Chain									
HP1873TAB GRIP SS-3.25IN S3JA EPDM GY 45	10303011	82.5	3.25	82.5	2.90	3400	381	CL 63 SS_KRV UKS BTL SP	10137637
HP1873TAB GRIP SS-4.5IN S3JA EPDM BK 45	10373934	114.3	4.50	109	3.00				

Standard length: 3.048 m – 10 feet (160 links).

Snap-On 3-Finger Gripper ¾" Pitch Steel Tab



63 Pin Plate
(Part #10370501)
Identifies Connector Link

63 (SS) MO Pin Plate
(Part #10137637)
Identifies Connector Link

Chain Type	Code Number	Plate Width A		Gripper Width C	Working Load (max.)	Sideflex Radius (min)	Connection Link	
		mm	inch	mm	N (21°C)	mm	Type	Code Number
Steel Top Plate/Steel Base Chain								
S1874TAB GRIP S-3.625IN D NEO BK 40	10373893	92.1	3.63	5.60	4500	381	CL 63_BTL SP	10370501
S1874TAB GRIP S-3.625IN J EPDM WH 50SH	10144933	92.1	3.63	5.60	4500	381	CL 63_BTL SP	10370501
Stainless Steel Top Plate/Stainless Steel Base Chain								
SS1874TAB GRIP SS-3.625IN D NEO BK 40	10373894	92.1	3.63	5.60	3400	381	CL 63_SS_KRV UKS BTL SP	10137637
SS1874TAB GRIP SS-3.625IN J EPDM BK 50	10463288	92.1	3.63	5.60	3400	381	CL 63_SS_KRV UKS BTL SP	10137637

Standard length: 3.048 m – 10 feet (160 links).