

Product Overview

Festoon Systems



CONDUCTIX
wampfler




Ⓞ DELACHAUX GROUP

Our festoon systems at a glance

The Conductix-Wampfler festoon systems contain equipment for steel ropes, C-rails, square-rails and I-beams. It is flexible and adaptable to the customers needs. The energy transmission systems for straight-, circular- and curved-tracks contain all components needed to achieve the best solution.

Even in harsh environments such as silo installations or waste water treatment plants, reliability and durability are guaranteed.

In high speed applications with heavy loads such as grab cranes, ship to shore container cranes, stacker cranes and conveyor systems, Conductix-Wampfler heavy festoon systems with optional motor driven trolleys come into operation.

	Steel rope		C-rail					Square-rail	
									
Application	<ul style="list-style-type: none"> For light energy supply systems with up to 3 cables. For applications which do not allow the installation of C-rails 		<ul style="list-style-type: none"> Standard cranes Overhead bridge cranes Hoisting devices Conveyor systems Cleantech Special engineering 					<ul style="list-style-type: none"> Circular and curved tracks Highly dusty environments 	
Trolley design	<ul style="list-style-type: none"> Plastic 		<ul style="list-style-type: none"> Galvanized steel Stainless steel (0230 und 0240) For explosion-proof areas 					<ul style="list-style-type: none"> Galvanized steel Stainless steel (0270) For explosion-proof areas 	
Programm	0210	0215	0230	0240	0250	0255	0260	0270	0280
Max. travel speed** [m/min]	40	50	80	100	100	120	120	70	80
Max. load capacity/trolley** [kg]	6	20	20	32	50	80	125	25	36
Max. system length [m]	30	100	80	120	150	150	150	150	200
Rope diameter [mm]	6 - 8	8 - 12							
Rail dimensions [mm]			30x32x2 (1,5)	40x40x2,5	50x50x3,5	63x63x4	80x80x5	30x30x2	40x40x3
Roller diameter [mm]	18/(36)	28/(52)	25	32	40	52	62	25/32	40
Support diameter [mm]	50/80	50/80	50 - 250	50 - 320	80 - 320	125 - 320	125 - 320	50 - 250	50 - 320
Flat cable	○	○	○	○	○	○	○	○	○
Round cable	○	○	○	○	○	○	○	○	○
Drive									
Features	<ul style="list-style-type: none"> One or two rollers Cable trolley with hook or ball joint for cable holder Ideal control unit trolley 		<ul style="list-style-type: none"> Cable trolley with hook or ball joint for cable holder Ideal control unit trolley 					<ul style="list-style-type: none"> Cable trolley with hook or ball joint for cable holder Ideal control unit trolley 	

All systems can be delivered pre-assembled. Old systems may be disassembled and disposed of by request.

Do you need a special solution for your application? – Feel free to contact us!

Here are some applications with Conductix-Wampfler festoon systems:



Main power supply of a longitudinal scraper bridge in a waste water treatment plant



Hose-transportation in a truck washing facility



Power supply of the crab on an overhead bridge crane



Application

- Standard cranes
- Special overhead bridge cranes
- Conveyor systems
- Electric trains

Trolley design

- Plastic / aluminum (0314)
- Galvanized steel with stainless steel components (0320-0330)

Application

- Stackers cranes
- Grab cranes
- Container cranes
- Conveyor systems
- Process cranes

Trolley design

- Galvanized steel with stainless steel components

Application

- STS-container cranes
- Grab cranes
- Ladle cranes
- High speed conveyor systems

Trolley design

- Galvanized steel with stainless steel components

Application

- STS-container cranes
- Grab cranes
- Automatic cranes

Trolley design

- Galvanized steel with stainless steel components

0314	0320	0325	0330	0350	0360	0365	0370	0375	0380	0385
50	100	120	150	160	160	300*	210	300*	300	300
20	80	125	200	350	500	350	350	800	800	800
40	40	50	63	50 – 100	50 – 125	112/125	125/160	125/160	125/160	160
50	80 – 320	125 – 320	125 – 320	125 – 250	260/360/460	360/460	260/360	260/360/460	360/460	260/360/460
○	○	○	○	○			○			
○	○	○	○		○	○		○	○	○
									○	○

Features

- Main rollers (with/without flange)
- Guiding rollers and anti-lift rollers with steel or plastic bandage

Features

- Side-loading cable supports
- Main rollers of large dimensions with steel or plastic bandage

Features

- Reinforced trolley body
- Patented roller arrangement (0365)
- Main rollers with highly wear-resistant plastic bandage

Features

- Reinforced trolley body
- Patented driving concept
- Main rollers with highly wear-resistant plastic bandage
- Drive control with frequency converter

*in combination with motorized trolleys
**depending on roller size/roller material



Supply of the turning-cab on an EOT-crane



Energy and data transmission on a steel-mill-crane



Supply of the crab on a fast travelling STS-container crane

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