CHAIN CONVEYOR TYPE RS

GENERAL

Brand Cimbria

Model RS Chain Conveyor

Capacity range 72–212 m³/h Chain speed up to 0.60 m/s

Application Moving dry bulk materials,

such as grains, pulses and

pellets

Cimbria type RS chain conveyor is designed for moving dry bulk materials, such as grains and grain-like products, but can successfully be used to transport other materials, such as granulate, shavings etc. Cimbria will assist with consulting.

Scraper flaps are bolted onto the chain's flights to move material, to clean the bottom of the conveyor, and to protect the chain from wear.

The chamfered profile is ideal for conveying tasks with frequent change of materials that have a low tolerance to mixing.

FEATURES

- · Single bottom casing with return rollers
- · Dual-side or top loading
- Single strand conveyor chain, pins-and-bush assembly; data sheet: Conveyor Chain
- Welded flights with bolted scraper flaps
- · Manual chain tensioning at tail end
- · Wear plates on bottom

DRIVE SYSTEM

- · Parallel shaft helical gearmotor, hollow shaft
- Gearmotor mounted on right or left hand side as specified

CONTROLLERS

- Overflow sensing
- Rotation sensing (optional)
- · Bearing heat sensing (optional)
- Explosion relief (optional); data sheet 50

ACCESSORIES

- Air cleaning system for tail end
- · Outlet for Q-pipe system
- Top covers for inlet sections
- · Inspection windows
- Sun cover for gearmotor
- Support system; data sheet: Chain Conveyor Support System

Technical data					
Maximum capacity	RS-3	72 m³/h			
	RS-5	119 m³/h			
	RS-7	161 m³/h			
	RS-8	212 m³/h			
Maximum bulk density	850 kg/m ³				
Drive motor size	According to application				
Chain speed	Up to 0.60 m/s				
Sound pressure level	75 to 85 dB(A)				
Maximum length and angle	Depends on the material proper-				
of slope	ties and the length and angle of				
	the conveyor				
Operating conditions	Indoor and outdoor				

NOTE: All capacities in the above table are based on the handling of dry and cleaned wheat.

-15°C to +40°C ambient

Materials						
Casing	Standard	Pre-galvanised steel				
	Optional	Hot-dip galvanised steel				
		Stainless steel				
		Painted steel				
Wear plates, bottom		PE-UHMW, antistatic, 10 mm				
Chain		Steel, oil coated				
Rollers	Standard	RS-3, -5	Nylon			
		RS-7, -8	Steel, oil coated			
	Optional	RS-7	Nylon (ø22 bush)			
Scraper flaps		PE-UHMW, antistatic				

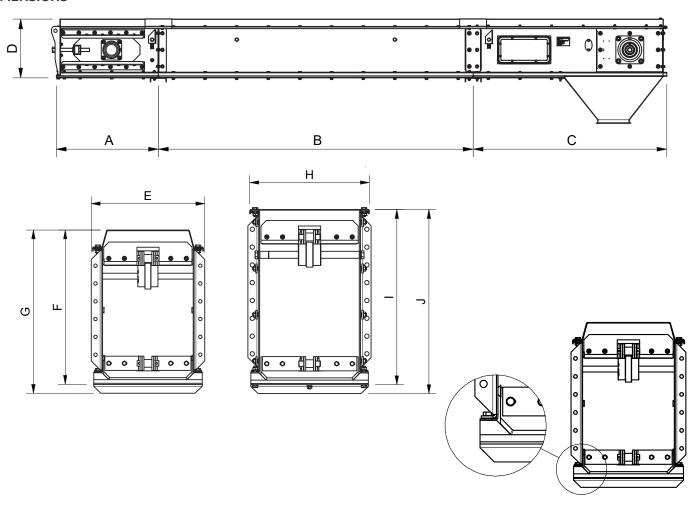
Complia	nce	
Atex	Standard	Non-zone inside
		Non-zone outside
	Optional	Zone 22 or 21 inside
		Zone 22 or 21 outside

NOTE: Specific requirements apply for ATEX compliance.





DIMENSIONS



	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	l [mm]	J [mm]
RS-3	670	490 / 990 / 1 990 / 3 000	1 225	372	265	374	399			
RS-5	670	490 / 990 / 1 990 / 3 000	1 225	434	331	434	459			
RS-7	670	490 / 990 / 1 990 / 3 000	1 225	492				336	492	517
RS-8	670	490 / 990 / 1 990 / 3 000	1 225	530				404	530	560

	Grain layer thickness [mm]	Grain layer width [mm]	Thickness, top plate [mm]	Thickness, side plate [mm]	Thickness, bottom plate [mm]	Weight with material [kg/m]	Driving section [kg]	Intermediate section [kg/m]	Tension section [kg]
RS-3	180	205	2	2	3	70	60	35	58
RS-5	240	255	2	2	3	100	80	45	70
RS-7	290	280	2	3	3	140	120	70	110
RS-8	330	330	2	3	3	165	140	75	100

