

CHAIN CONVEYOR RS

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 102.02.101
- 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
- Slide gates; data sheet 102.02.100
- Inspection windows
- Sun cover for gearmotor
- Support system; data sheet 102.02.102

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/m³	
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 of slope	Depends on the material properties and the length and angle of the conveyor	
Operating conditions	Indoor and outdoor -15°C to +40°C ambient	

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

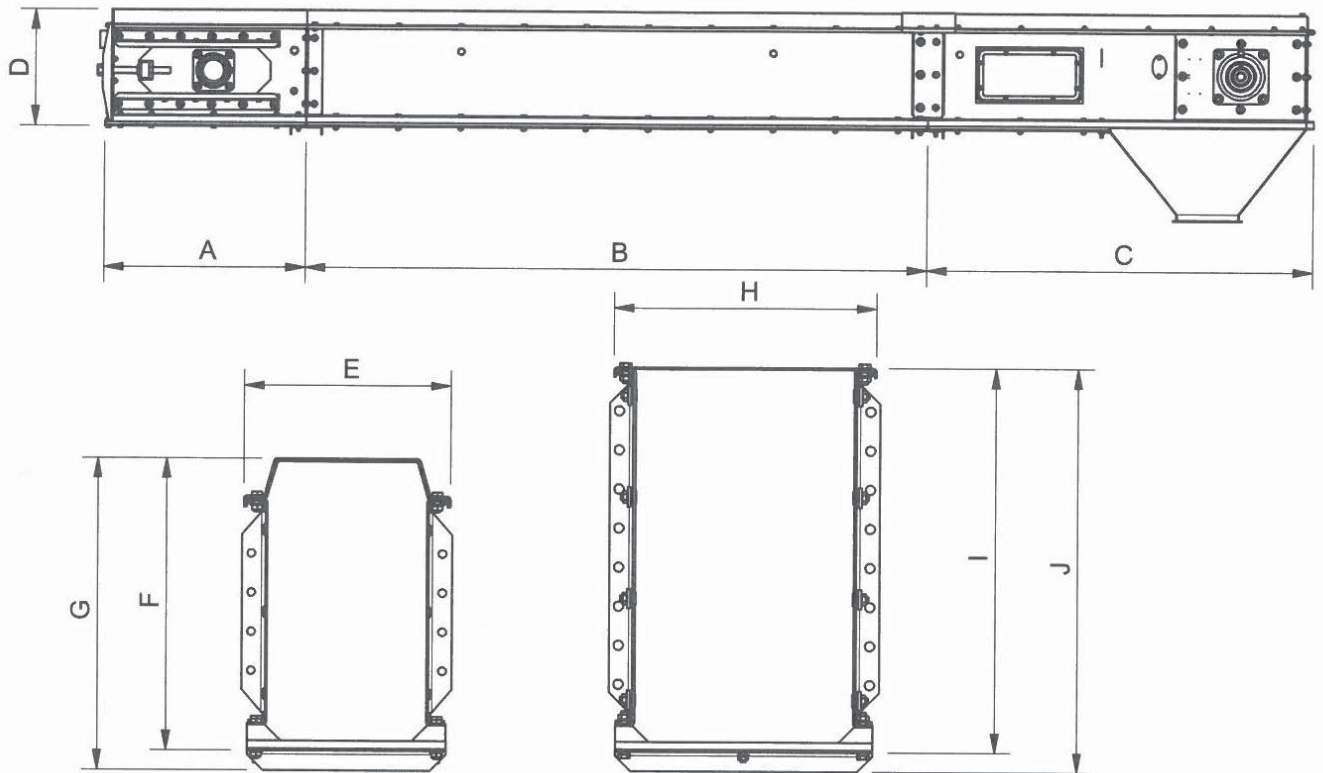
Materials			
Casing	Standard	Pre-galvanised steel	
	Optional	Hot-dip galvanised steel Stainless steel Painted steel	
Wear plates, bottom		PE-UHMW, antistatic, 10 mm	
Chain		Steel, oil coated	
Rollers	Standard	RS-3, -5	Nylon
		RS-7, -8	Steel, oil coated
	Optional	RS-7	Nylon (ø22 bush)
Scraper flaps		PE-UHMW,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

Compliance		
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.

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DIMENSIONS



	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	I [mm]	J [mm]
RS-3	670	490 / 990 / 1990 / 3000	1225	372	265	374	399			
RS-5	670	490 / 990 / 1990 / 3000	1225	434	331	434	459			
RS-7	670	490 / 990 / 1990 / 3000	1225	492				336	492	517
RS-8	670	490 / 990 / 1990 / 3000	1225	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