

Types of Tube

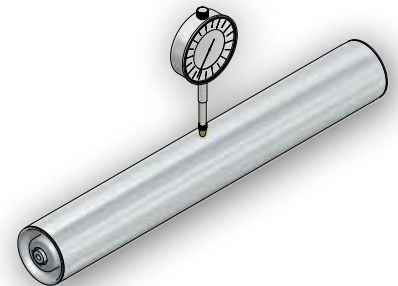
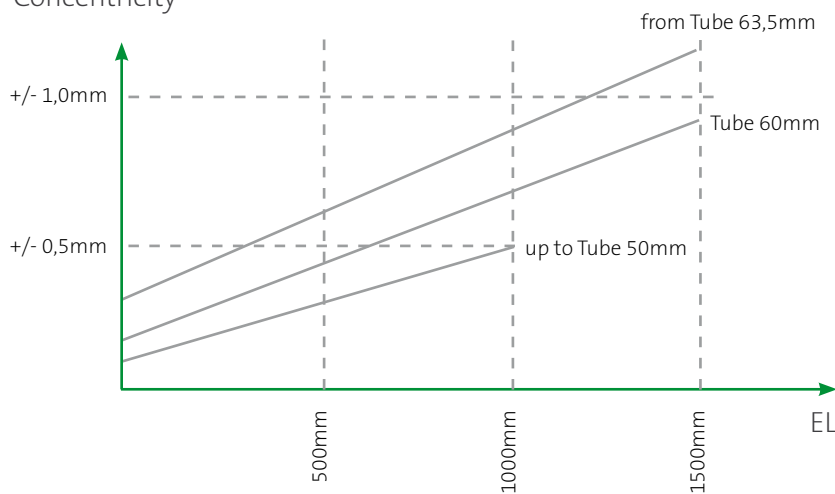
The construction of the transportation facility and the capacity of the tube affect the tube diameter (see end of cover page).

Steel Tubes: Conveyor roller tube EN 10 305-3 (DIN 2394) with limited tolerance material S235JR (ST37)

Tube-Ø in mm	Wall Thickness						
	1mm	1,5mm	2mm	2,9mm	3mm	3,25mm	3,6mm
16	X						
20		X					
30	X	X					
32			X				
40		X	X		X		
50		X	X		X		
60			X		X		
63,5				X			
70			X	X			
80			X*		X		
88,9				X			
108						X	
133							X

Concentricity: The DIN only gives the tolerance for the wall thickness and the rectitude.

Concentricity



* delivered only in dimension 79,5 x 1,75mm

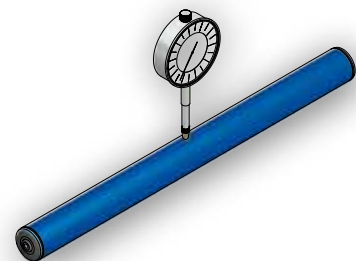
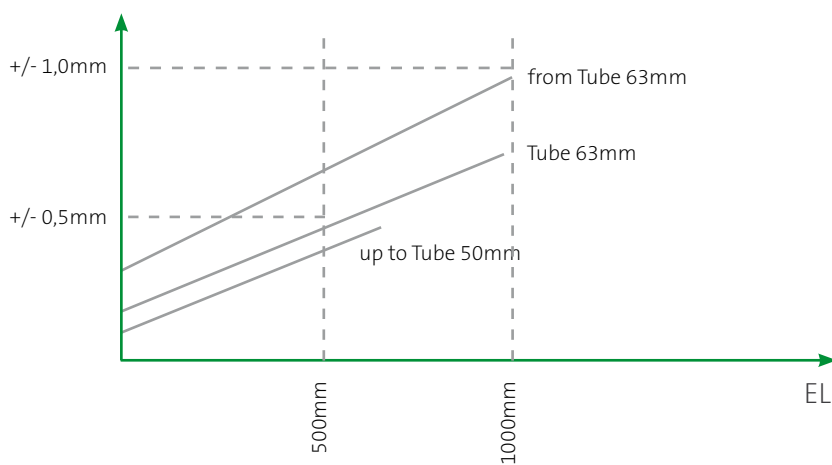
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Plastic Tubes: material – shock resistant special PVC
 Two different colors are available ex stock
 (RAL 5015 / blue – RAL 7032a / light grey).

Tube-Ø in mm	Wall Thickness					
	1,5 mm	1,8 mm	2,3 mm	2,8 mm	3 mm	7 mm
20	X					
30		X				
40			X			
50				X		
63					X	
90						X

Concentricity: The DIN only gives the tolerance for the wall thickness and the rectitude.

Concentricity



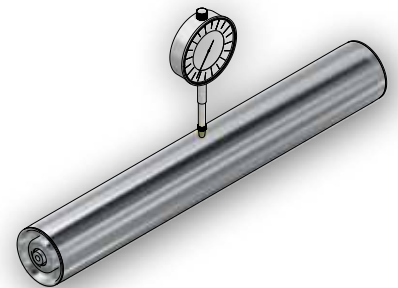
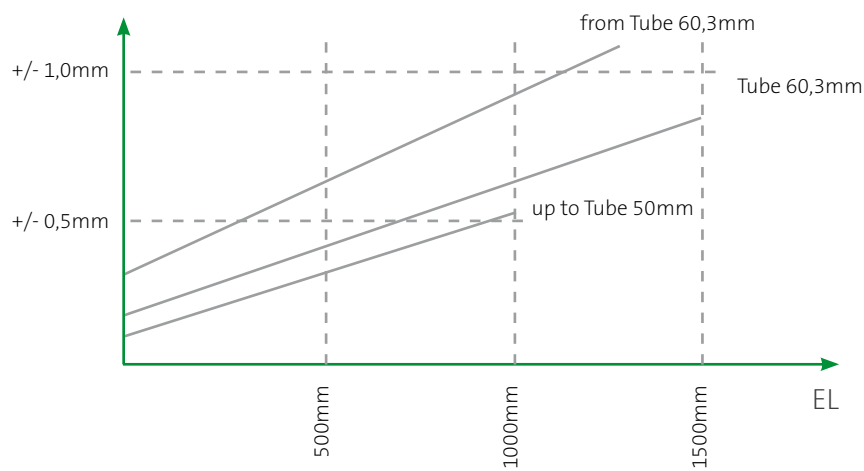
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Stainless Steel Tubes: material 1.4301 (X5CrNi18-10 or AISI 304)

Tube-Ø in mm	Wall Thickness					
	1mm	1,5mm	1,65mm	2mm	2,9mm	3mm
16	X					
20	X					
30	X	X				
40		X				
50		X		X		
60,3			X			
80				X		X
88,9					X	

Concentricity: The DIN only gives the tolerance for the wall thickness and the rectitude.

Concentricity



Types of Tube

Rollex offers several types of surface treatments and coatings. Depending on the requirement you can choose between the following tube surface refinements:

- Untreated: The roller tubes are not treated. They are designated with the code ST (Steel Tube), N2 (Stainless Steel Tube), KB or KGH (Plastic Tube).
- Galvanized: The galvanizing has a thickness of around 0,8µm. It is for corrosion protection, but please note that this protection can be destroyed by mechanic and thermic influences. At this parts the tubes may start rusting. Galvanized tubes are marked with the code STI. Driven roller that have to be galvanized in total (incl. Drive Element) have the code ST with the addition „galvanized in total“.
- PVC-Coating: The PVC-Coating will be made by air pressure. Rollex offers several different styles and dimensions:

PVC 60° Shore silver grey:

Tube-Ø	PVC 2 mm	PVC 3 mm	PVC 5 mm
30 mm	X		
40 mm	X	X	X
50 mm	X	X	X
60 mm	X	X	X
80 mm	X	X	X
88,9 mm	X	X	X
108 mm		X	X

PVC 60° Shore silver grey - antistatic:

Tube-Ø	PVC 2 mm	PVC 3 mm	PVC 5 mm
50 mm	X	X	
60 mm	X	X	

PVC 88° Shore black:

Tube-Ø	PVC 2 mm	PVC 3 mm	PVC 5 mm
50 mm		X	
60 mm		X	X

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Rubberizing: The tube will be coated with a black neoprene NBR-Rubber. This will be glued and grinded the required thickness. Hardness is around 60° Shore and it is available for all popular tube dimensions.
Tube 40 with 5mm coating can be delivered with rubber sleeves (standard) or as vulcanised coating

PU-Baytec Coating: Tubes can even be coated with a PU (Polyurethan). You can choose between PU Baytec 73° Shore black and the more expensive, because more labor-intensive PU nature, in different grades (70 – 90° Shore).

Epoxy Resin-Coating: Rollex steel roller with epoxy resin coating. In case of order please mention RAL color code.

Nitrocarburisation: This means the enrichment of the tube surface layer with nitrogen and carbon by thermochemical means. This causes a nitrided case containing a compound layer and a diffusion layer. It is a hardening method for surfaces, that means the depth is only max. 0,2mm. The border zone only has a hardness of max. 540 HV1.

Description:	Steel Tube	Steel	ST
		Galvanized	STI
		PVC-coated	STP2-5
		Rubberized	STG
		PU-coated	STPU
		Epoxy resin coated	STR
		Nitrocarburized	STH
Plastic Tube	PVC shock-resistant blue RAL 5010	KB	
	PVC shock-resistant grey RAL 7032	KGH	
Stainless Steel Tube	Material 1.4301	N2	