

PRECISE, SAFE, ECONOMICAL

SMOOTH-RUNNING ALUMINIUM ROLLERS



Aluminium web guide rollers from INOMETA have been tried and tested over many years. Their sophisticated design with extremely smooth running guarantees high technical reliability and productivity. We manufacture using a modular system with pre-produced components. This ensures competitiveness and short delivery times. The wide range of smooth-running rollers represents a large selection of application-oriented solutions.

Web guide roller with dead shaft type BA

Installation situation: The roller body rotates, the axle remains rigid.

Advantages: Lower friction in the bearings, low wear and heat generation, high speeds possible. A fixed axle ensures constant and stable movement, resulting in precise material guidance and processing. This is particularly important in applications where high quality standards are required, such as in the printing, packaging, or film processing industries. The fixed axle reduces vibrations that can be caused by rotating parts. This leads to a longer service life for the roller and the connected components.

Web guide roller with stub shafts type BB

Installation situation: The roller body rotates, the stubs remain rigid.

Advantages: Lower friction in the bearings, low wear and heat generation, high speeds possible. Compensates for slight axial misalignments between the machine walls. Lighter than BA types.

Web guide roller with journals type BC

Installation situation: The journals are firmly connected to the roller body and form a single unit.

Mounting: The journals run in bearings that are permanently installed in the machine wall.

Advantages: Robust construction. This design is the first choice for driven rollers.

Custom-designed metal rollers

One of our strengths is the custom manufacture of metal rollers according to customer specifications.

We work closely with you to manufacture products in accordance with the requirements determined by the respective application. All aluminium web guide rollers can be finished with our functional PROTEK® coatings.

Your advantages at a glance

- Precise path guidance for consistently high product quality
- Low weight and minimal inertia reduce drive loads and increase energy efficiency
- Excellent damping properties minimize vibrations and improve smoothness of operation
- Function-specific surfaces optimize material flow and adhesion
- Maximum manufacturing capability up to 1,500 mm in diameter and 12,000 mm in roller body length

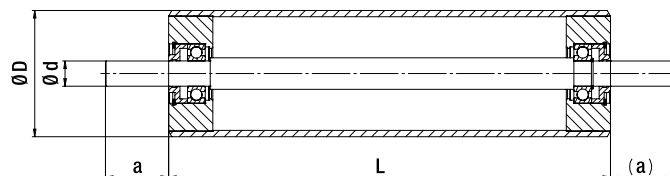


Top quality paired with many years of experience

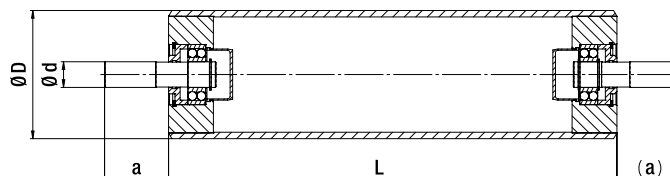


Modular system with prefabricated components

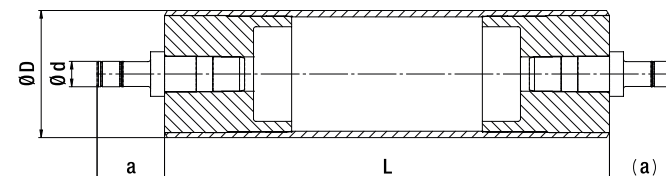
WEB GUIDE ROLLER WITH DEAD SHAFT TYPE BA



WEB GUIDE ROLLER WITH STUB SHAFTS TYPE BB



GUIDE ROLLER WITH JOURNALS TYPE BC



INOMETA WEB GUIDE ROLLER WITH DEAD SHAFT (TYPE BA), STUB SHAFTS (TYPE BB) OR JOURNALS (TYPE BC)

NOMINAL ROLLER DIAMETER			D	[mm]	60	80	100	120	140	150	160	180	200
Diameter tolerance					0/-1				0/-2,5				
Max. recommended roller width		L _{max}	[mm]		1200	1900	2200	2600	3350	3600	3800	4300	4800
Balancing quality at balancing speeds up to 600 m/min		G			6,3			2,5					
Journal diameter	BA-, BB-Typ	d	[mm]	20								30	
	BC-Typ			≥ 15								≥ 30	
Journal length		a	[mm]	Optional, symmetrical (asymmetrical on request)									
Mounting thread according to DIN 332D		BA-, BB-Typ			M12							M16	
Axle/journal material					Steel								
Roller tube and base material					Aluminium								
Roller body surface					Aluminium ground or finely turned, hard-coated or PROTEK®								
Roller body shape					Standard cylindrical (Optional: concave or convex)								
Concentricity and cylindrical shape for base body					0,3 mm or 0,035 mm for L ≤ 1000 mm 0,3 mm or 0,035 mm/m for L ≥ 1000 mm								
BEARING TYPES		BA-Typ			6004, 6204,6206								
Fixed and floating bearing arrangement with labyrinth seal and lifetime lubrication. Temperature resistance up to 80 °C.		BB-Typ			1302, 1204, 1206								

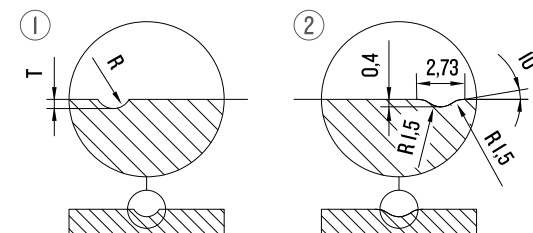
We would be happy to provide you with detailed information about our custom roller solutions during a personal meeting.

SPIRALS

We offer the following standard groove shapes for spirals:

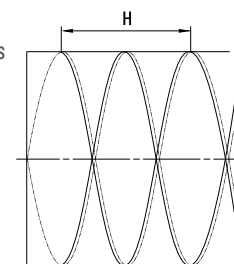
RADIUS SHAPES

- ① Radius R = 2, 3, 4 or 6 mm
Depth T = up to 1 mm (depending on the radius)
- ② Radius shape with tail
Standard designs for spirals



VRVL = from the outside right and from the outside left, extending across the entire roller body, with a pitch (H) and number of threads as desired

VMRL = Running from the center to the right and left, across the entire roller body, with a pitch (H) as desired



Example of VRVL