

WORLD-
CLASS

CORE TRANSMISSION
COMPONENTS SUPPLIER

PROVIDER

OF CORE TRANSMISSION
COMPONENTS

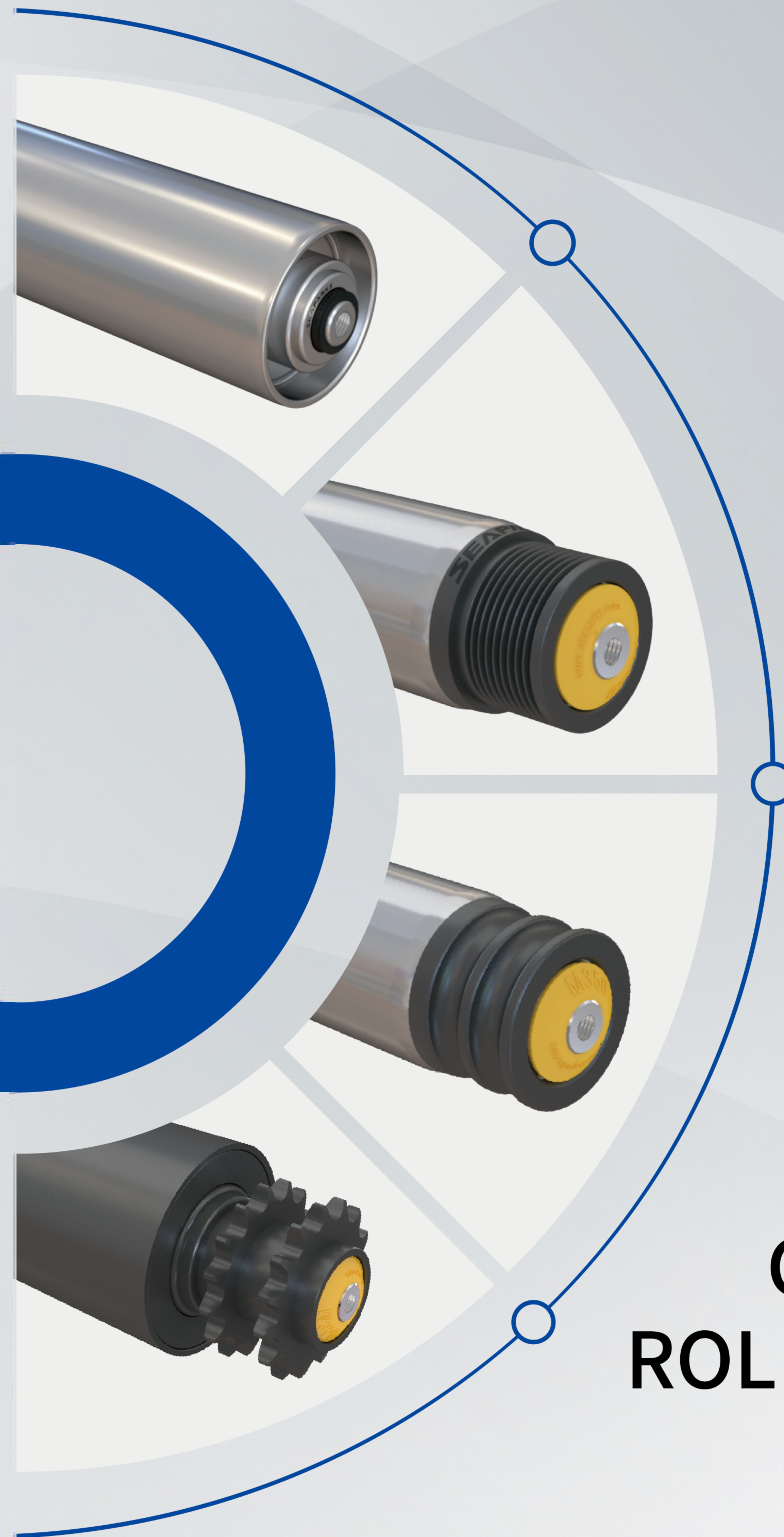
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WhatsApp



**CONVEYING
ROLLER SERIES**

SEAPARKS

Catalog

SEAPARKS
www.seaparks.com

A

Gravity Conveyor Roller Series

Products for medium-duty materials:
Series L150, Series M120, Series M170
Products for heavy-duty materials:
Series H120, Series H145

03-18

B

Driven Conveyor Roller Series

Products for medium-duty materials:
Series M350
Products for heavy-duty materials:
Series H395

19-25

C

Curve Conveyor Roller Series

Products for light to medium-duty materials:
Series CM170
Series CM350

26-30



COMPANY PROFILE

About

Seaparks has adhered to a key principle: top quality, low price, energy saving, and high efficiency since established in 2002. Seaparks has specialized in innovative design and lean manufacturing of drum motors for over 20 years. More than one million “AMROLL” drum motors are operating well in various conveying equipment worldwide.

Our “AMROLL” drum motors have been exported to more than 40 countries and regions, and widely applied to the fields of airport baggage handling, security inspection machines, postal, parcel, food processing, pharmaceutical handling, warehousing and so on. Seaparks has become a truly world-class supplier of key power transmission components for the conveyor industry.

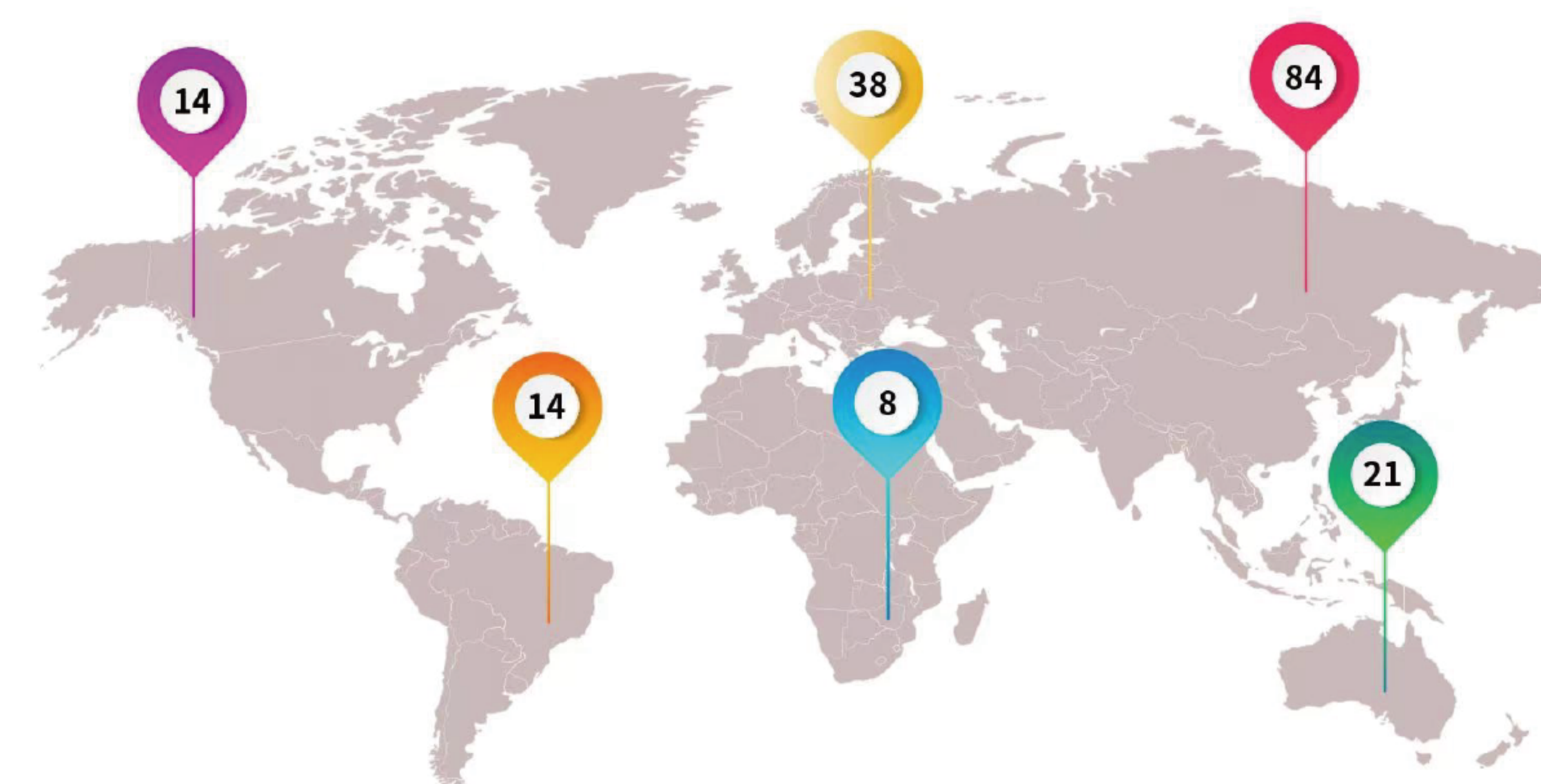


Global sales network

SEAPARKS

WORLD MAP

Customer Profile



亚洲	Asia
欧洲	Europe
非洲	Africa
大洋洲	Oceania
北美洲	North America
南美洲	South America

CORPORATE MISSION

- Focusing on the challenges and innovation requirements customers concerned
- Providing competitive solutions and services for conveyor equipment transmission
- Continuing to create maximum value for customers

Product information

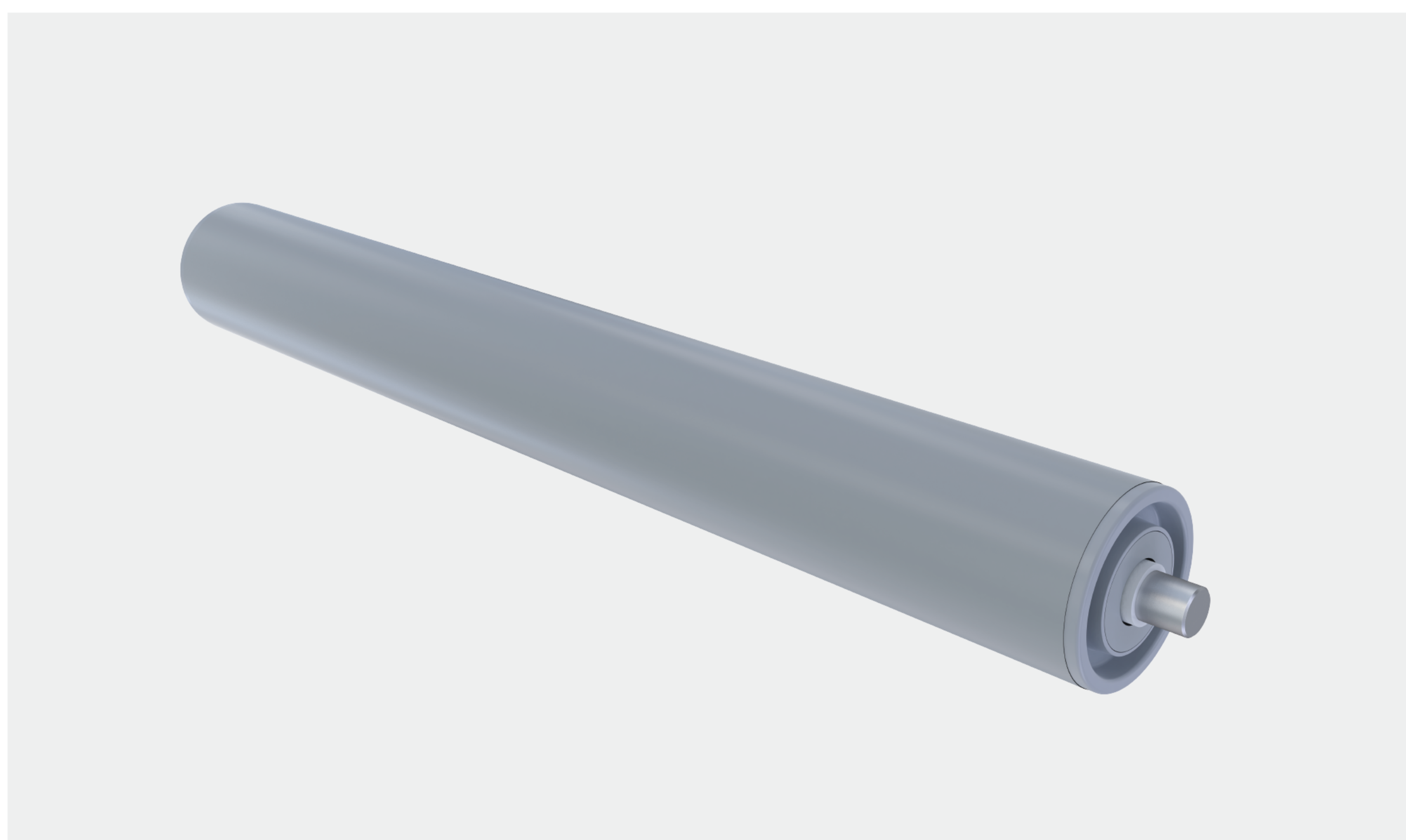
Products	Application	Series	Features	Temperature range	Low Noise	Water-proof	Gravity	PolyVee	Sprocket	Round belt	Timing belt	Load capacity[kg]	Diameter [mm]
Gravity Conveyor Roller Series	for medium-duty materials	L150	Plastic ball housings	-5°C~+40°C	●	-	●	-	-	-	-	50	φ38/φ50
	for medium-duty materials	M120	Steel bearing	-30°C~+80°C	●	-	●	-	-	-	-	220	φ38/φ50/φ60
	for medium-duty materials	M170	Plastic bearing	-5°C~+40°C	●	●	●	-	-	-	-	155	φ50/φ60
	for heavy-duty materials	H145	Plastic bearing	-5°C~+40°C	●	●	●	-	-	-	-	500	φ76/φ80/φ89
	for heavy-duty materials	H120	Steel bearing	-30°C~+80°C	●	-	●	-	-	-	-	500	φ80/φ89
Driven Conveyor Roller Series	for medium-duty materials	M350	Belt drive/ Chain drive	-5°C~+40°C	●	●	-	●	●	●	●	155	φ50/φ60
	for heavy-duty materials	H395	Chain drive	-5°C~+40°C	●	●	-	-	●	-	-	500	φ80/φ89
Curve Conveyor Roller Series	for light to medium-duty materials	CM170	Tapered sleeve based on M170 series	-5°C~+40°C	●	●	●	-	-	-	-	30	φ50
	for light to medium-duty materials	CM350	Tapered sleeve based on M350 series	-5°C~+40°C	●	●	-	●	●	●	-	30	φ50

●=suitable ●=limited suitability -=not suitable

Steel conveyor rollers Series L150

Application area

Container conveyor system, in which rollers are usually used to convey packaged food, applicable ambient temperature range: -5 °C ~ +40 °C



Product features

- Flexible Rotation** — The plastic ball bearings enable smooth and quick rotation, making them suitable for light-load conveyance.
- Good Chemical Stability** — The cylinder body is usually made of PVC engineering plastic.
- Low Noise** — Compared to other series of products, it has slightly higher operating noise.

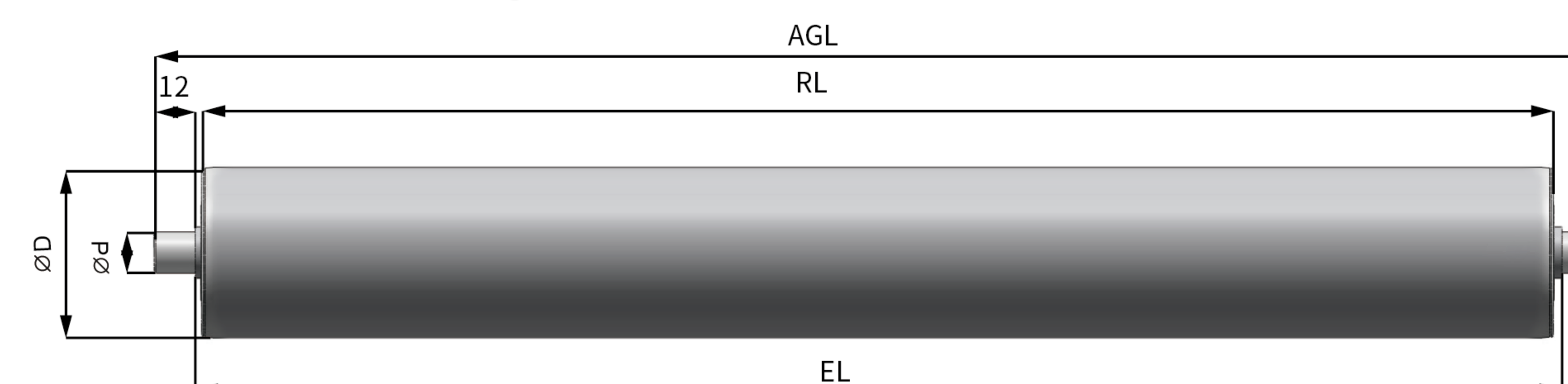
Model Parameters

- Pipe Parameters** — Diameter 50x2.5mm or 38X1.5mm, made of PVC.
- Shaft Parameters** — Diameter 12mm, made of 45# steel or stainless steel 304.
- End Cap Parameters** — Plastic end cap with special plastic ball bearings embedded.
- Bearing Specifications** — Plastic bearings with inner and outer rings made of polyoxymethylene (POM), and balls made of stainless steel.
- Processing Technology** — Spring-press fit axial, and others.

Load capacity

Ø Tube/ thickness (mm)	Ø Shaft (mm)	Installation method	Max. static load [kg] at installation length [mm]							
			100	200	300	400	500	600	700	800
φ38X1.5	φ12	Spring-press fit	10	8	5	3.5	2	1.2	-	-
φ50X2.5	φ12	Spring-press fit	50	50	25	15	10	6.5	5	3.6

Dimensional drawing

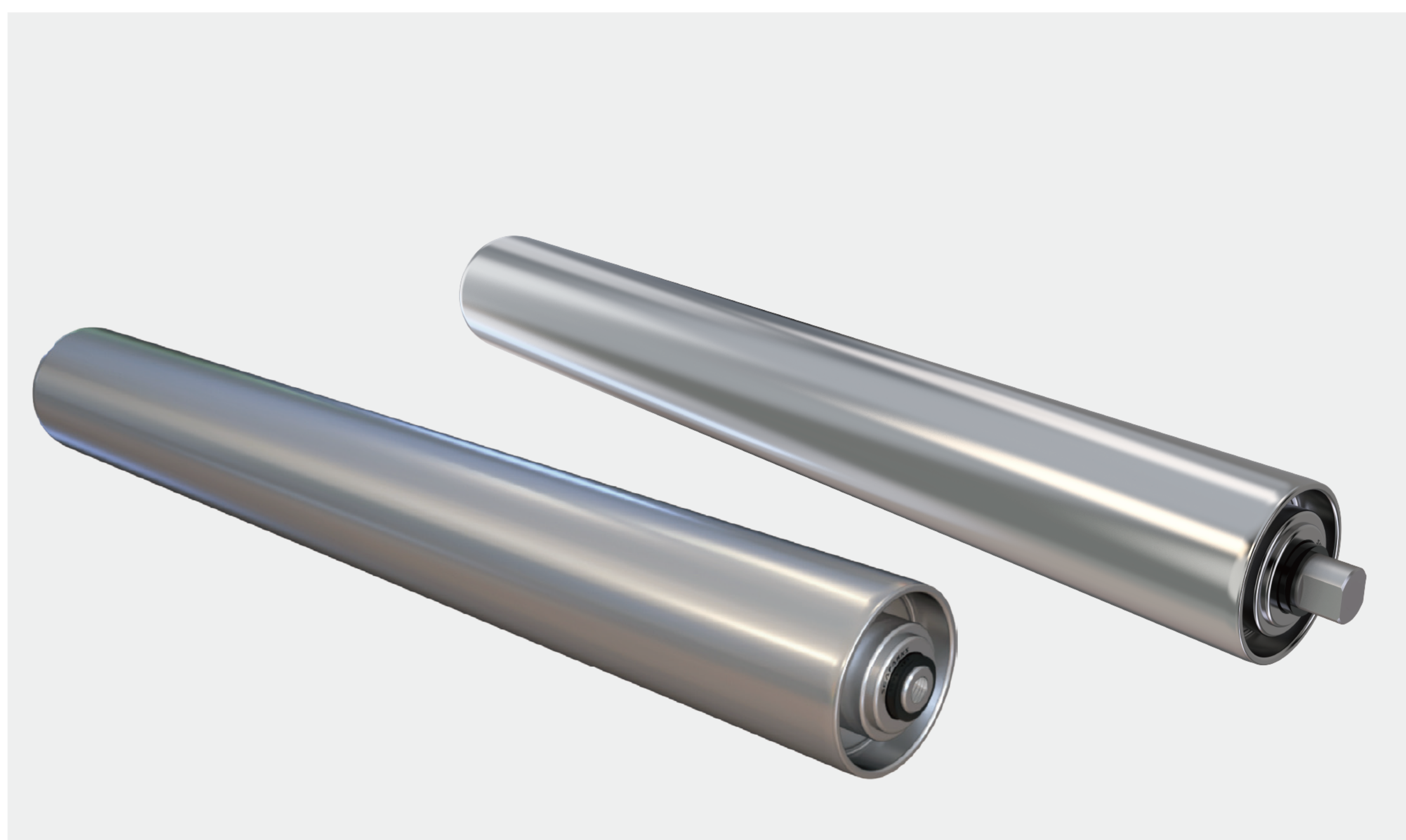


Ø Tube/ thickness (mm)	Ø Shaft (mm)	Bearing model	Installation method	Dimensional relationship		
				RL=TL+16	EL=RL+8	AGL=EL+22
φ38X1.5	φ12	Stainless Steel Ball & Plastic Ring	Spring-press fit	RL=TL+16	EL=RL+8	AGL=EL+22
φ50X2.5	φ12	Stainless Steel Ball & Plastic Ring	Spring-press fit	RL=TL+7.4	EL=RL+7	AGL=EL+22

Steel conveyor rollers Series M120

Application area

Can be applied to the transportation of items such as cardboard, containers, drums, or tires, suitable for gravity or sliding conveyor roller lines. Can also be used for belt conveyor idlers (non-tensioning or with wrap angles). The models with steel bearing seats are designed for low-temperature or high-temperature environments. Temperature range: -30°C~+80°C.



Product features

- Extremely high reliability — The product operates well in various environments, including high and low temperatures, and has low requirements for the usage environment.
- Low noise — The precision ball bearing is fixed in the steel stamping bearing seat, which ensures quiet operation.
- Side loading — The Tube end is designed with a rounded shape, which enables easy loading of materials from the side and eliminates axial forces through the use of ball bearings.
- Stable structure — The non-drive side bearing components can be axially fixed in multiple ways, and the perfect closing radius is added to achieve a stable product structure.
- Anti-static design — The entire series can be made anti-static.

Model Parameters

- Tube Data — $\phi 50 \times 1.5 \text{mm}$, $60 \times 2.0 \text{mm}$, material is Q235B or stainless steel 304
- Shaft Data — $\phi 12 \text{mm}$ (for tube with $\phi 50$), 15mm (for tube with $\phi 60$), material is 45# or stainless steel 304
- End Cap Data — Precision ball bearings are fixed in steel stamping bearing seats
- Bearing Data — 6001Z, 6002Z, made of bearing steel or stainless steel
- Processing Technology — Internal and external thread, milling, spring-pressed shaft, surface knurling, punching, etc.

Load capacity

Ø Tube/ thickness (mm)	Ø Shaft (mm)	Installation Method	Maximum static load (kg) for installation length (mm)							
			200	400	600	800	1000	1200	1400	1600
$\phi 38 \times 1.2$	$\phi 12$	Internal thread	80	80	80	58	38	25	18	-
		Spring loaded	78	78	78	55	35	23	16	-
$\phi 50 \times 1.5$	$\phi 10$	Internal thread	120	120	120	80	65	35	30	25
		Spring loaded	115	85	50	40	35	30	25	20
	$\phi 12$	Internal thread	150	150	150	150	95	65	50	35
		Spring loaded	145	115	75	55	45	35	30	25
	$\phi 15$	Internal thread	160	160	160	160	105	75	55	40
		Spring loaded	155	155	155	125	100	70	50	35
$\phi 50 \times 2.0$	$\phi 12$	Internal thread	145	145	145	145	95	65	50	35
		Spring loaded	145	115	75	55	45	35	30	25
$\phi 60 \times 1.5$	$\phi 12$	Internal thread	150	150	150	150	95	65	50	35
		Spring loaded	145	115	75	55	45	35	30	25

Steel conveyor rollers Series M120

Load capacity

Ø Tube/ thickness (mm)	Ø Shaft (mm)	Installation Method	Maximum static load (kg) for installation length (mm)							
			200	400	600	800	1000	1200	1400	1600
φ60X1.5	φ15	Internal thread	160	160	160	160	105	75	55	40
		Spring loaded	155	155	155	125	100	70	50	35
φ60X2.0	φ12	Internal thread	150	150	150	150	150	150	110	85
		Spring loaded	145	120	75	55	45	40	35	30
	φ15	Internal thread	230	230	230	230	230	160	115	90
		Spring loaded	220	220	175	130	100	85	70	65

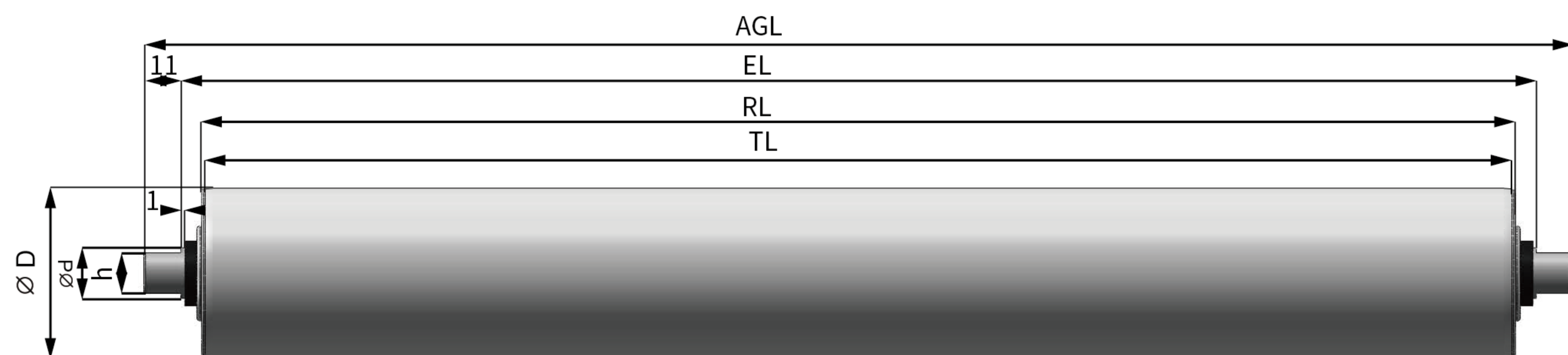
Dimensional drawing



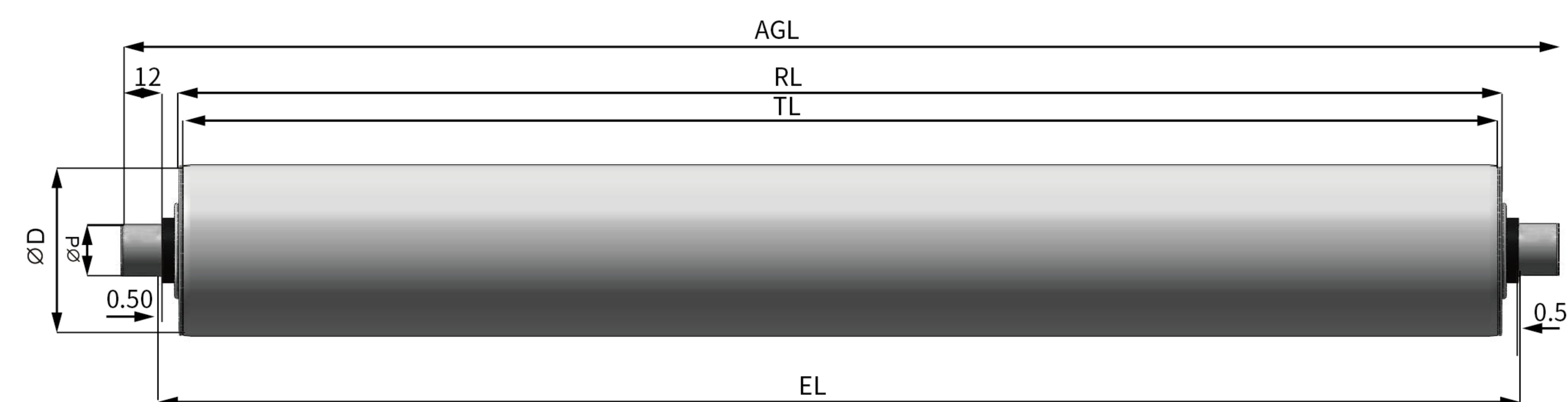
Ø Tube/ thickness (mm)	Ø Shaft (mm)	Bearing Model	Installation Method	Size Relationship	
				RL=TL+2.4	EL=RL+11.4
φ38X1.2	φ12	6001-Z	Internal Thread M8	RL=TL+2.4	EL=RL+11.4
φ50X1.5	φ10	6001-非标	Internal Thread M8	RL=TL+2	RL=TL+2.4
	φ12	6001-Z	Internal Thread M8	RL=TL+2	EL=RL+12
		6002-Z	Internal Thread M10	RL=TL+2	EL=RL+12
φ50X2.0	φ12	6001-Z	Internal Thread M8	RL=TL+2	EL=RL+11.4
φ60X2.0	φ12	6001-Z	Internal Thread M8	RL=TL+2.4	EL=RL+11.4
	φ15	6002-Z	Internal Thread M10	RL=TL+2.4	EL=RL+12
φ60X1.5	φ12	6001-Z	Internal Thread M8	RL=TL+2.4	EL=RL+12
	φ15	6002-Z	Internal Thread M10	RL=TL+2.4	EL=RL+12

Steel conveyor rollers Series M120

Dimensional drawing



Dimensional drawing



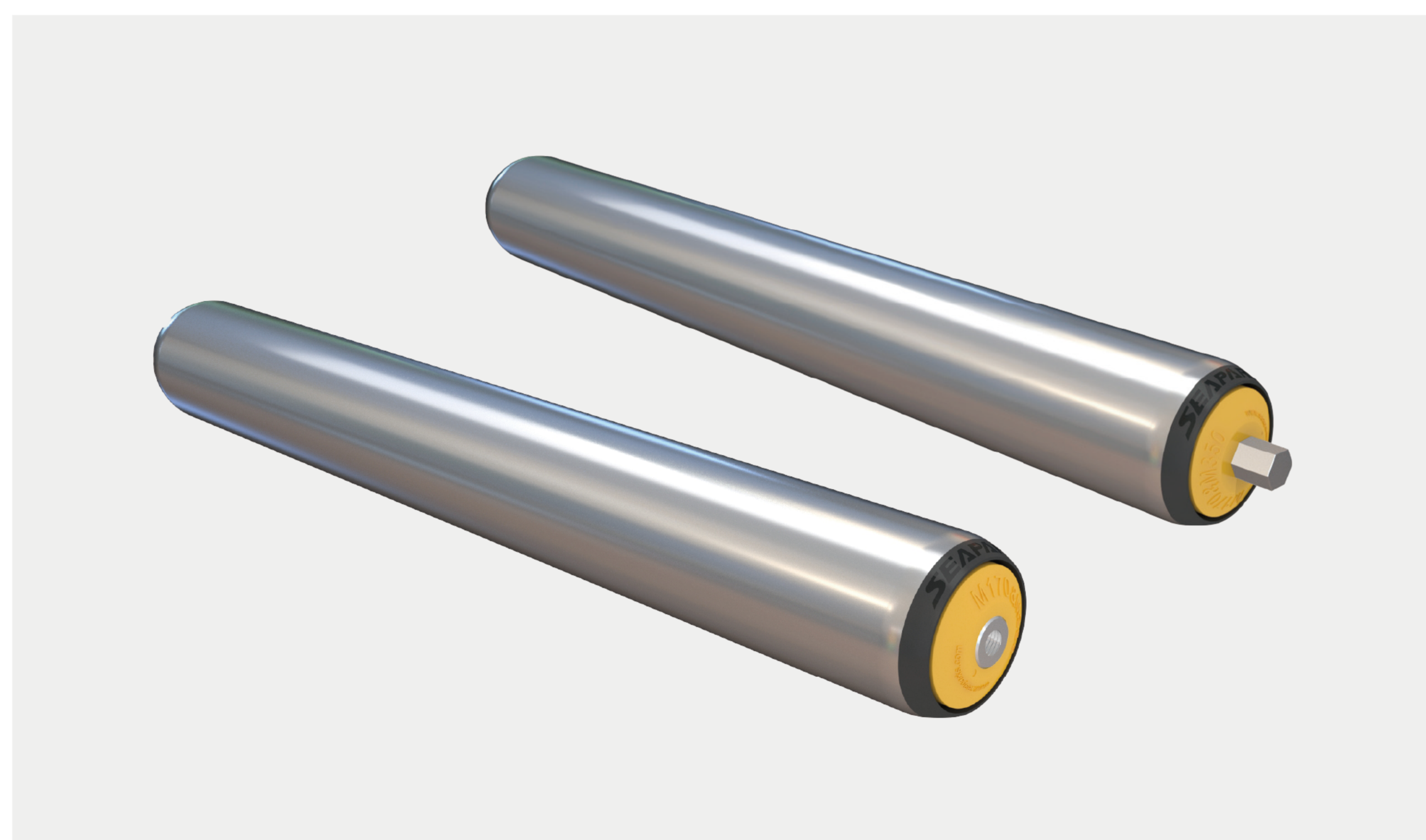
Ø Tube/ thickness (mm)	Ø Shaft (mm)	Bearing modell	Installation method	Thickness	Dimensional relationship		
					AGL=EL+22	EL=RL+11.4	RL=TL+2.4
φ38X1.2	φ12	6001-Z	Milling flat	10	AGL=EL+22	EL=RL+11.4	RL=TL+2.4
φ50X1.5	φ10	6001- Non-standard	Milling flat	8	AGL=EL+22	EL=RL+12	RL=TL+2
	φ12	6001-Z	Milling flat	10	AGL=EL+22	EL=RL+12	RL=TL+2
φ50X2.0	φ15	6002-Z	Milling flat	12	AGL=EL+22	EL=RL+12	RL=TL+2
	φ12	6001-Z	Milling flat	10	AGL=EL+22	EL=RL+11.4	RL=TL+2
φ60X2.0	φ12	6001-Z	Milling flat	10	AGL=EL+22	EL=RL+11.4	RL=TL+2.4
	φ15	6002-Z	Milling flat	12	AGL=EL+22	EL=RL+12	RL=TL+2.4
φ60X1.5	φ12	6001-Z	Milling flat	10	AGL=EL+22	EL=RL+12	RL=TL+2.4
	φ15	6002-Z	Milling flat	12	AGL=EL+22	EL=RL+12	RL=TL+2.4

Ø Tube/ thickness (mm)	Ø Shaft (mm)	Bearing modell	Installation method	Dimensional relationship		
				AGL=EL+23	EL=RL+10.4	RL=TL+2.4
φ38X1.2	φ12	6001-Z	Spring- press fit	AGL=EL+23	EL=RL+10.4	RL=TL+2.4
φ50X1.5	φ10	6001- Non-standard	Spring- press fit	AGL=EL+23	EL=RL+11	RL=TL+2
	φ12	6001-Z	Spring- press fit	AGL=EL+23	EL=RL+11	RL=TL+2
φ50X2.0	φ15	6002-Z	Spring- press fit	AGL=EL+23	EL=RL+11	RL=TL+2
	φ12	6001-Z	Spring- press fit	AGL=EL+23	EL=RL+10.4	RL=TL+2
φ60X2.0	φ12	6001-Z	Spring- press fit	AGL=EL+23	EL=RL+10.4	RL=TL+2.4
	φ15	6002-Z	Spring- press fit	AGL=EL+23	EL=RL+11	RL=TL+2.4
φ60X1.5	φ12	6001-Z	Spring- press fit	AGL=EL+23	EL=RL+11	RL=TL+2.4
	φ15	6002-Z	Spring- press fit	AGL=EL+23	EL=RL+11	RL=TL+2.4

Gravity Conveyor Rollers Series M170

Application area

Can be used for transportation of cardboard, cartons, barrels, or wheels, suitable for gravity or sliding conveyor roller lines. Can also be used as belt support rollers (non-tensioning or with crowned rollers, and with anti-static configuration). Temperature range is: -5°C~+40°C.



Product features

- Extremely high reliability** — This roller has extremely high functional reliability.
- Low noise** — Precision ball bearings, high polymer polymers, and seals can achieve extremely quiet operation.
- Effective dust and water resistance** — The labyrinth seal makes the roller have excellent dust and drip-proof performance.
- Side loading** — The Tube end is designed with an inverted round shape, which can easily load materials from the side and eliminate axial forces through ball bearings and seals.
- Stable structure** — The axial fixing of the non-drive side bearing assembly can be achieved in various ways, and the perfect closing radius can be added to achieve a stable structure.

Model parameters

- Tube Data** — $\phi 50 \times 1.5$ mm, material is Q235B or stainless steel 304
- Shaft Data** — $\phi 14$ mm, 11HEX, material is 45# or stainless steel 304
- End cap Data** — high-strength nylon material
- Seal Data** — labyrinth seal, high-strength nylon material
- Bearing Data** — 6002RZ, bearing steel or stainless steel
- Processing technology** — internal and external threads, milling, spring pressing shaft, surface knurling, punching, etc.

Load capacity

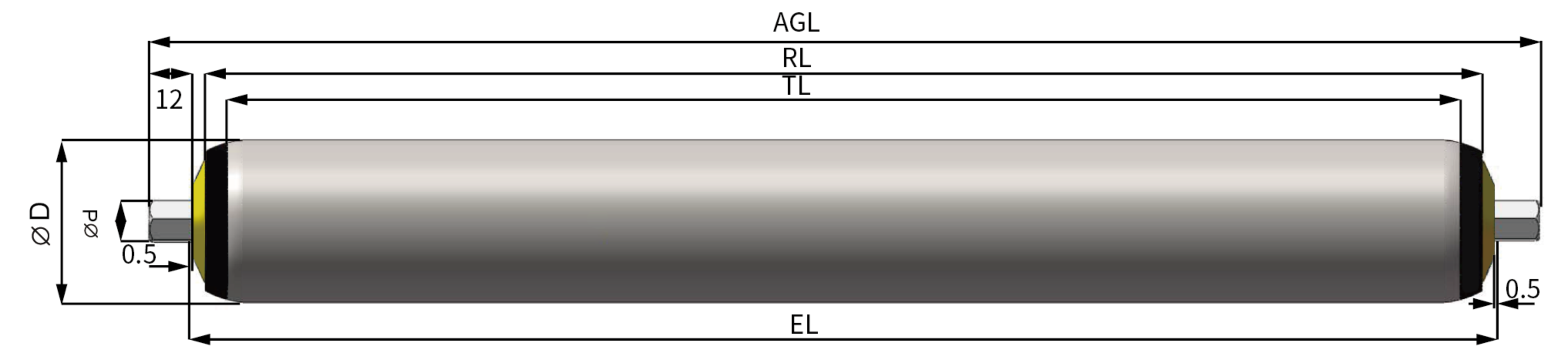
Ø Tube/ thickness (mm)	Ø Shaft (mm)	Installation Method	Maximum static load (kg) for installation length (mm)							
			200	400	600	800	1000	1200	1400	1600
$\phi 50 \times 1.5$	11HEX	Spring-press fit	150	70	45	35	30	25	20	15
	$\phi 12$	Spring-press fit/ Internal thread	150	85	55	40	35	30	25	20
	$\phi 14$	Internal thread	155	155	155	155	110	70	55	40
	$\phi 15$	Internal thread	155	155	155	155	110	70	55	40
$\phi 60 \times 2.0$	11HEX	Spring-press fit	155	70	45	35	30	25	20	15
	$\phi 12$	Spring-press fit/ Internal thread	165	80	50	40	35	30	25	20
	$\phi 14$	Internal thread	170	170	170	170	170	165	120	100
	$\phi 15$	Internal thread	170	170	170	170	170	165	120	100

Gravity Conveyor Rollers Series M170

Dimensional drawing



Dimensional drawing



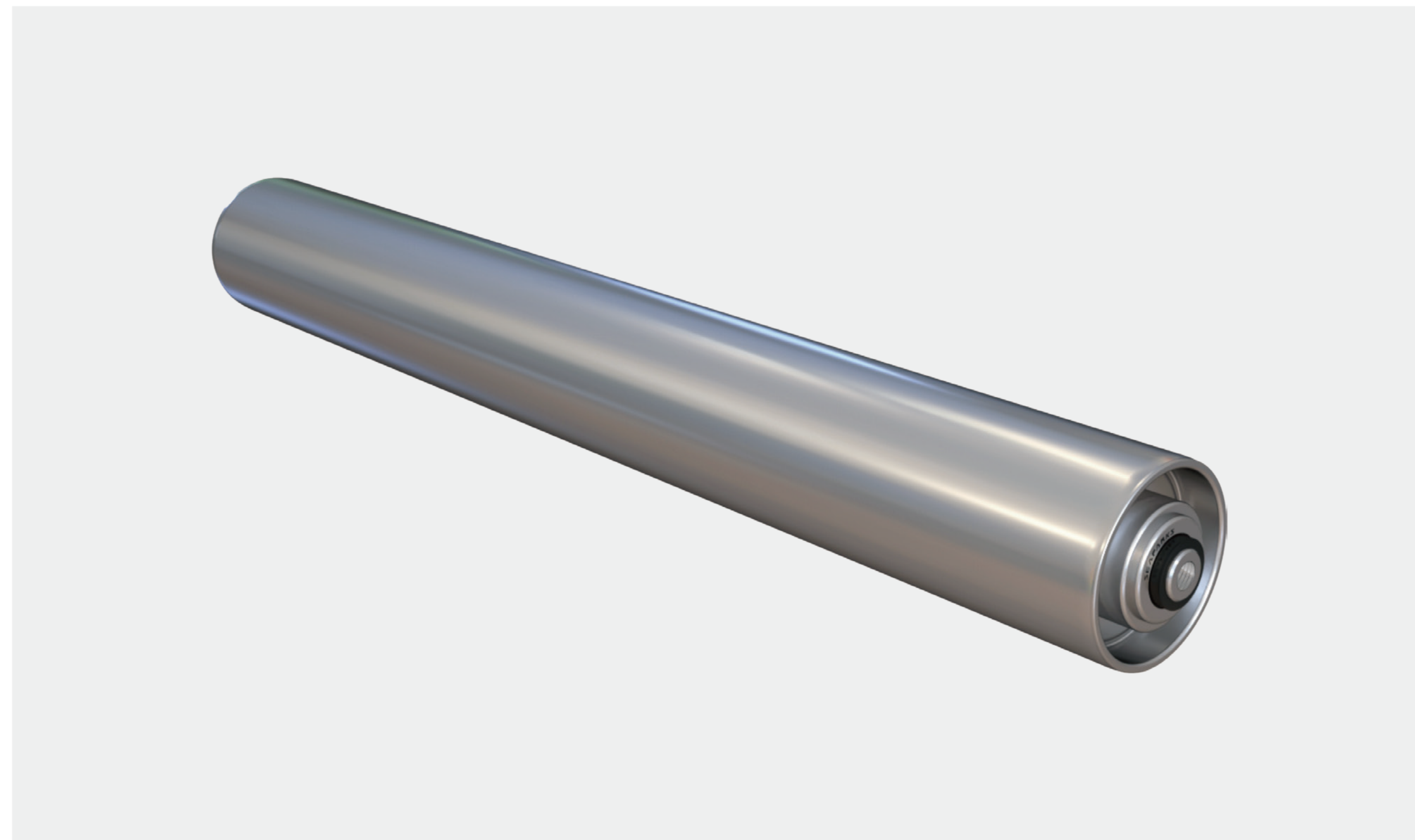
Ø Tube/thickness (mm)	Ø Shaft (mm)	Bearing model	Installation method	Dimensional relationship	
φ50X1.5 φ60X2.0	φ12	6002-2RZ	Internal thread M8	RL=TL+13.6	EL=RL+9
	φ14	6002-2RZ	Internal thread M8		
	φ15	6002-2RZ	Internal thread M10		

Ø Tube/thickness (mm)	Ø Shaft (mm)	Bearing model	Installation method	Dimensional relationship		
φ50X1.5 φ60X2.0	11HEX	6002-2RZ	Size Relationship	RL=TL+13.6	EL=RL+9	AGL=EL+23
	φ12	6002-2RZ	Size Relationship			

Gravity Conveyor Rollers Series H129

Application area

It can be used for transport such as cardboard, containers, drums or tyres, for gravity or sliding conveyor roller lines, and for belt conveyor idlers (non-tensioned or angled positions). Versions with steel housings are designed for low temperature or high ambient temperature applications, suitable for ambient temperature range: $-30^{\circ}\text{C}\sim+80^{\circ}\text{C}$.



Product features

- Extremely reliable — The requirements for the use environment are not high, and both high and low temperatures can operate well;
- Low noise — Precision ball bearings are fixed in steel stamped housings for quieter operation;
- Side loading — The tube end is rounded for easy loading from the side, eliminating axial forces through ball bearings;
- Solid construction — The axial fixation of the non-driving side bearing assembly can be realized in a variety of ways, and the perfect closing arc can be added to achieve a stable structure of the product;
- Anti-static design — All series are anti-static.

Model parameters

Pipe parameters — Diameter 76X3mm/80X3mm/89X3mm, made of Q235B or stainless steel 304

Pivot parameters — Diameter 20mm, material 45# or stainless steel 304

End cap parameters — Precision ball bearings are fixed in steel stamped housings

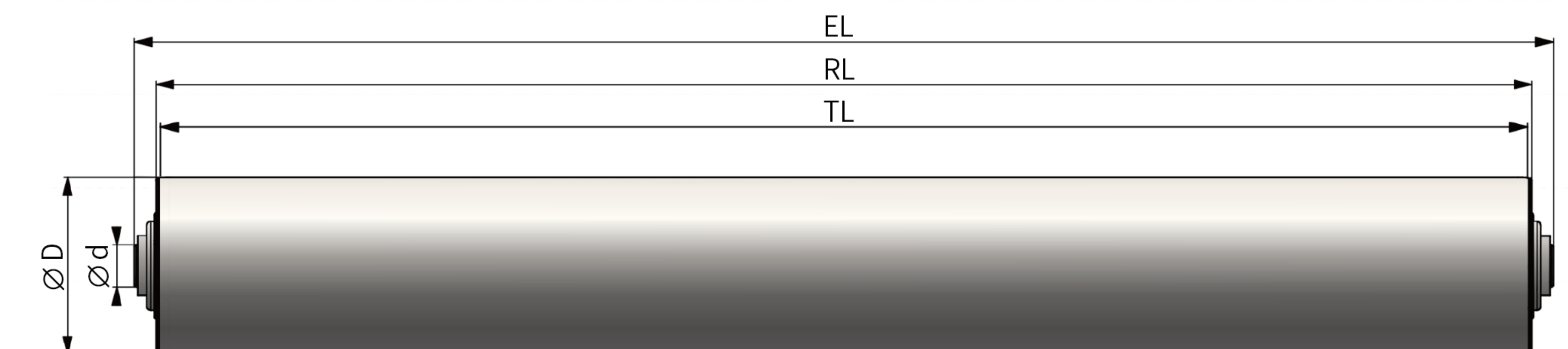
Bearing specifications — 6204Z in bearing steel or stainless steel

Processing technology — Internal and external threads, milling, surface knurling, eye-punching, etc

Load capacity

Ø Tube/ thickness (mm)	Ø Shaft (mm)	Installation Method	Maximum static load (kg) for installation length (mm)							
			200	800	1000	1200	1400	1600	1800	2000
φ76X3	φ20	Internal thread	500	500	500	500	450	345	270	220
φ80X3	φ20	Internal thread	500	500	500	500	450	345	270	220
φ89X3	φ20	Internal thread	500	500	500	500	450	480	380	305

Dimensional drawing

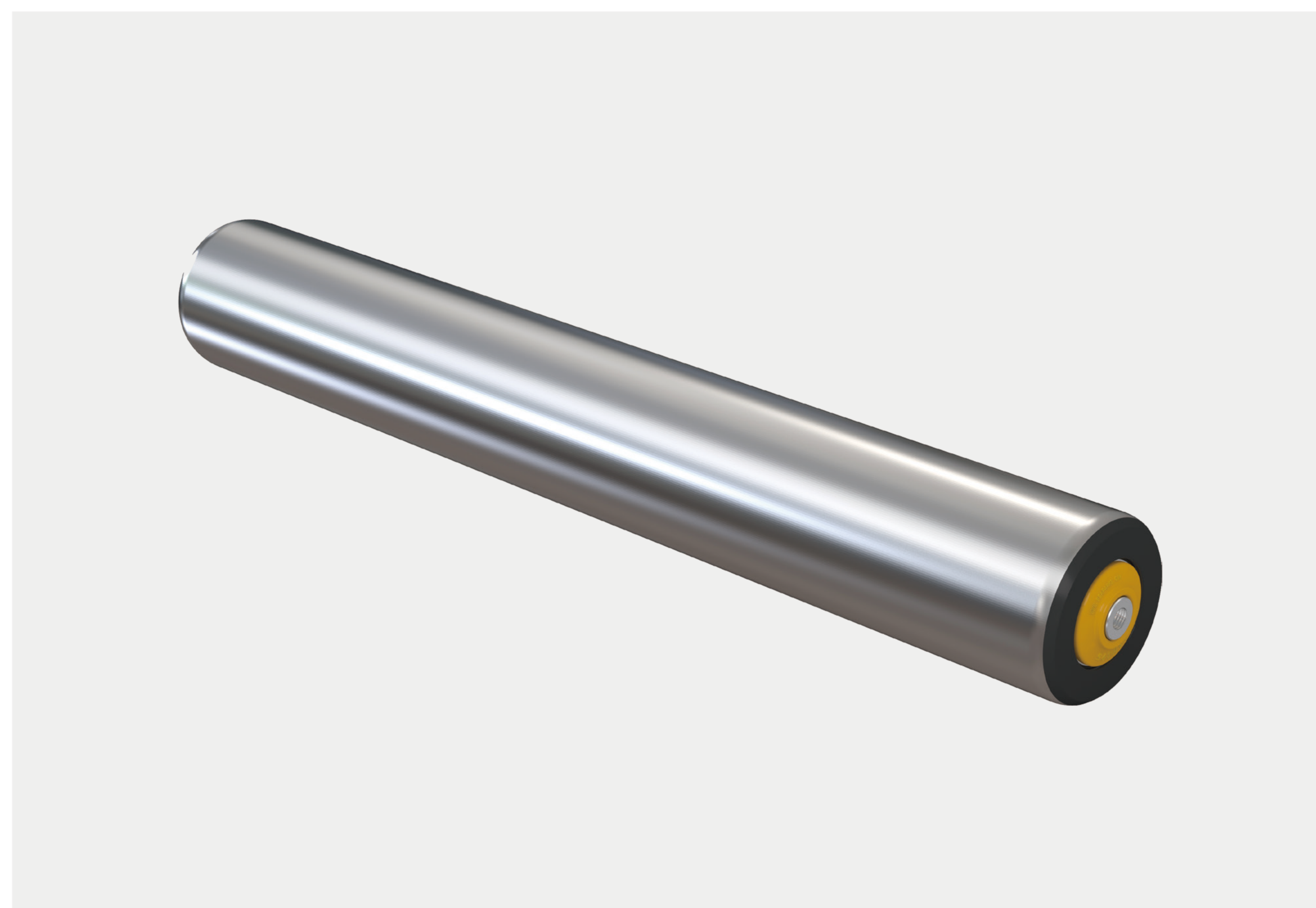


Ø Tube/ thickness (mm)	Ø Shaft (mm)	Bearing model	Installation method	Dimensional relationship	
φ76X3	φ20	6204-Z	Internal thread M12	RL=TL+4	EL=RL+12
φ80X3	φ20	6204-Z	Internal thread M12	RL=TL+4	EL=RL+12
φ89X3	φ20	6204-Z	Internal thread M12	RL=TL+4	EL=RL+12

Gravity Conveyor Rollers Series H145

Application area

Can be used in gravity or passive conveyor systems for transporting paperboard, crates, barrels, tires, pallets, or steel crates. The product has a high load-bearing capacity of up to 5000N, making it suitable for higher load applications, with an applicable ambient temperature range of -5°C~+40°C.



Product features

- Low noise** — precision ball bearings, polymer materials, and sealing components can achieve extremely quiet operation;
- Side loading** — the tube end is designed with a rounded shape, making it easy to load materials from the side;
- Axial load capacity** — eliminating axial forces through ball bearings and sealing components;
- Stable structure** — the non-drive side bearing assembly can be axially fixed in multiple ways, with a perfect closing radius, achieving a sturdy structure.

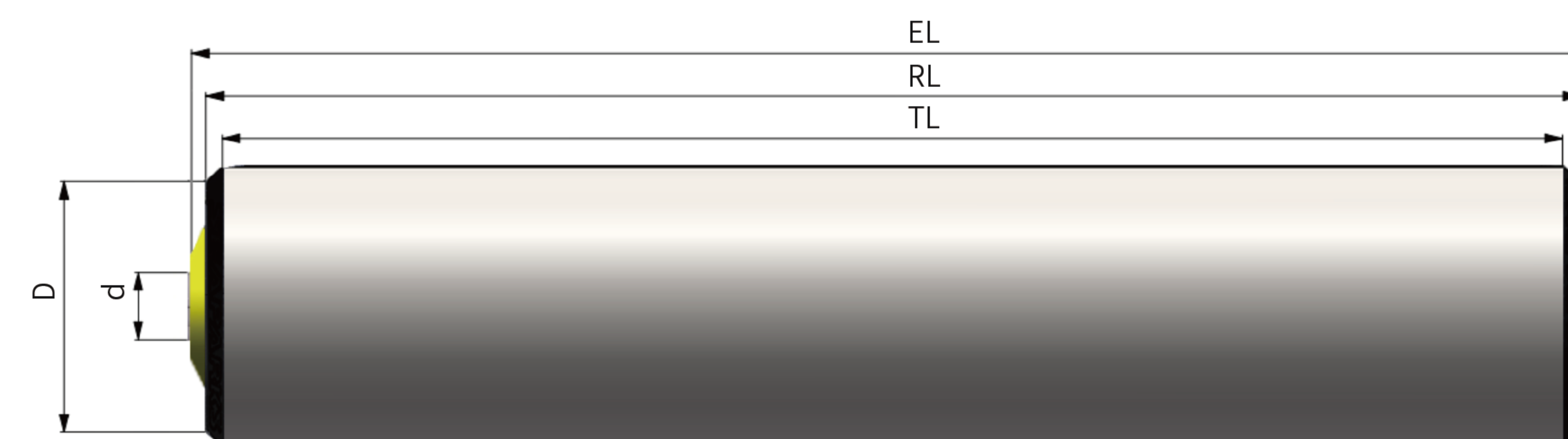
Model parameters

- Tube Data** — $\phi 80 \times 3$ mm, $\phi 89 \times 3$ mm, material is Q235B or stainless steel 304
- Shaft Data** — $\phi 20$ mm, material is 45# or stainless steel 304
- End cap Data** — high-strength nylon material
- Bearing Data** — 6205RZ, made of bearing steel or stainless steel
- Processing technology** — internal and external threads, milling, surface knurling, punching, etc.

Load capacity

Ø Tube/ thickness (mm)	Ø Shaft (mm)	Installation Method	Maximum static load (kg) for installation length (mm)							
			200	800	1000	1200	1400	1600	1800	2000
$\phi 80 \times 3$	$\phi 20$	内螺纹	500	500	500	500	450	345	270	220
$\phi 89 \times 3$	$\phi 20$	内螺纹	500	500	500	500	500	480	380	305

Dimensional drawing



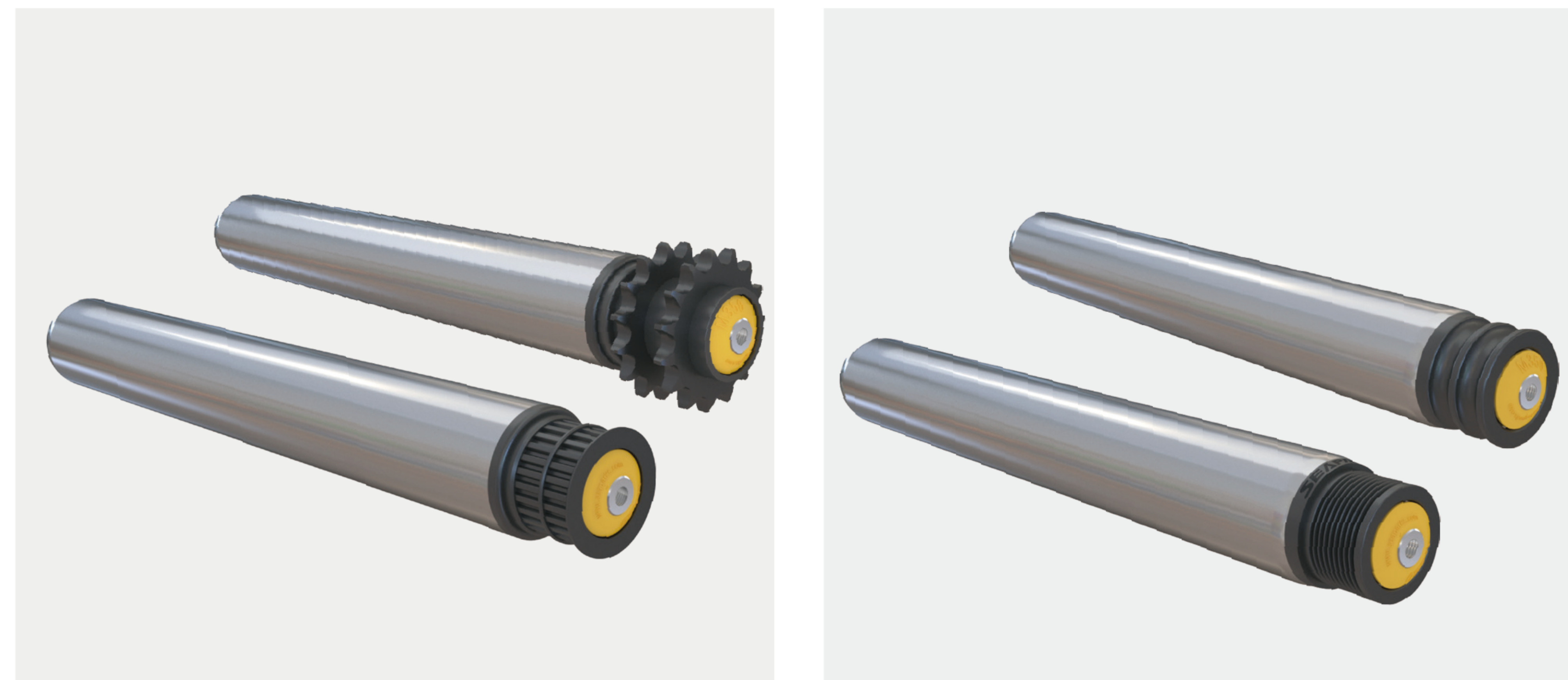
Ø Tube/ thickness (mm)	Ø Shaft (mm)	Bearing model	Installation method	Dimensional relationship	
$\phi 80 \times 3$	$\phi 20$	6205-2RZ	Internal thread	RL=TL+10	EL=RL+10
$\phi 89 \times 3$	$\phi 20$	6205-2RZ	Internal thread	RL=TL+8	EL=RL+11

Driven Conveyor Roller Series M350

APPLICATION AREA

Application area

Suitable for handling and conveying paperboard, cartons, drums, or tires with a driven device, within the temperature range of $-5^{\circ}\text{C}\sim+40^{\circ}\text{C}$.



Model Parameters

Tube Data	—	$\phi 50 \times 1.5\text{mm}$, material is Q235B or stainless steel 304.
Shaft Data	—	$\phi 14\text{mm}$, 11HEX, material is Q235B or stainless steel 304.
End cap Data	—	high-strength nylon material
Seal Data	—	labyrinth seal, high-strength nylon material.
Bearing Data	—	6002 RZ, material is bearing steel or stainless steel.
Processing technology	—	internal and external threads, milling, spring-pressed shaft, surface knurling, drilling, etc.
Drive mode	—	PolyVee head (PJ type), sprocket (08B-14T), round belt, timing belt (T5-26, width 10mm).



Product Features

Low noise	—	Using a polyamide drive head can achieve extremely quiet opera
Side loading	—	The tube end is designed with a rounded shape, making it easy to load materials from the side and eliminating axial forces through ball bearings and seals.
Effective dust and water resistance	—	The labyrinth seal makes the roller excellent at dust and water droplet resistance.
Stable structure	—	The non-driven side bearing assembly can be axially fixed in multiple ways, with perfect closure radius added to achieve a sturdy structure for the product
Modular structure	—	It has multiple drive head models, such as PolyVee, sprocket, round belt, and timing belt. The insertable polyamide drive head can achieve the interchangeability of sprocket and timing belt.

Load capacity

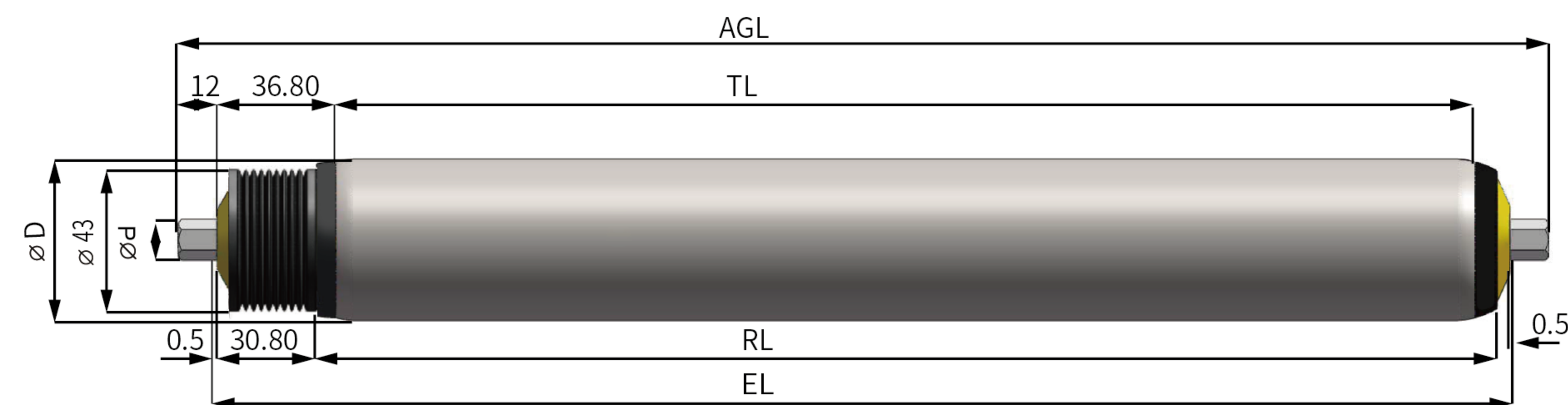
Ø Tube/ thickness (mm)	Ø Shaft (mm)	Installation Method	Maximum static load (kg) for installation length (mm)							
			200	400	600	800	1000	1200	1400	1600
$\phi 50 \times 1.5$	11HEX	Spring-loaded	150	70	45	35	30	25	20	15
	$\phi 12$	Spring-loaded /Internal Thread	150	85	55	40	35	30	25	20

Driven Conveyor Roller Series M350

Load capacity

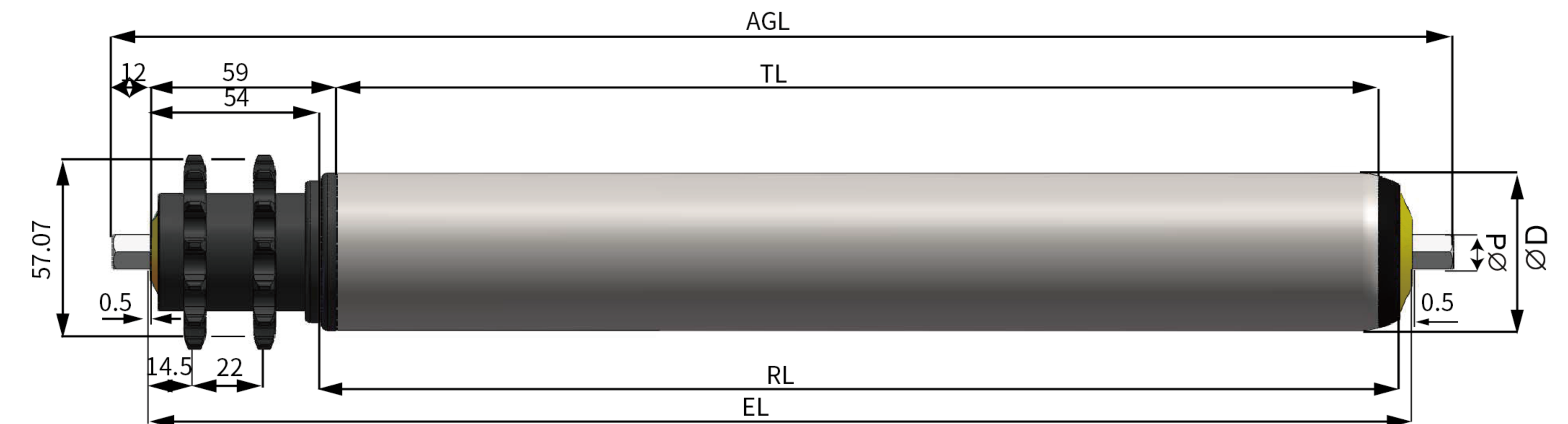
Ø Tube/ thickness (mm)	Ø Shaft (mm)	Installation Method	Maximum static load (kg) for installation length (mm)							
			200	400	600	800	1000	1200	1400	1600
φ50X1.5	φ14	Internal thread	155	155	155	155	110	70	55	40
	φ15	Internal thread	155	155	155	155	110	70	55	40
φ60X2.0	11HEX	Spring-press fit	155	70	45	35	30	25	20	15
	φ12	pring Press Fit/ Internal Thread	165	80	50	40	35	30	25	20
	φ14	Internal thread	170	170	170	170	170	165	120	100
	φ15	Internal thread	170	170	170	170	170	165	120	100

Dimensional drawing



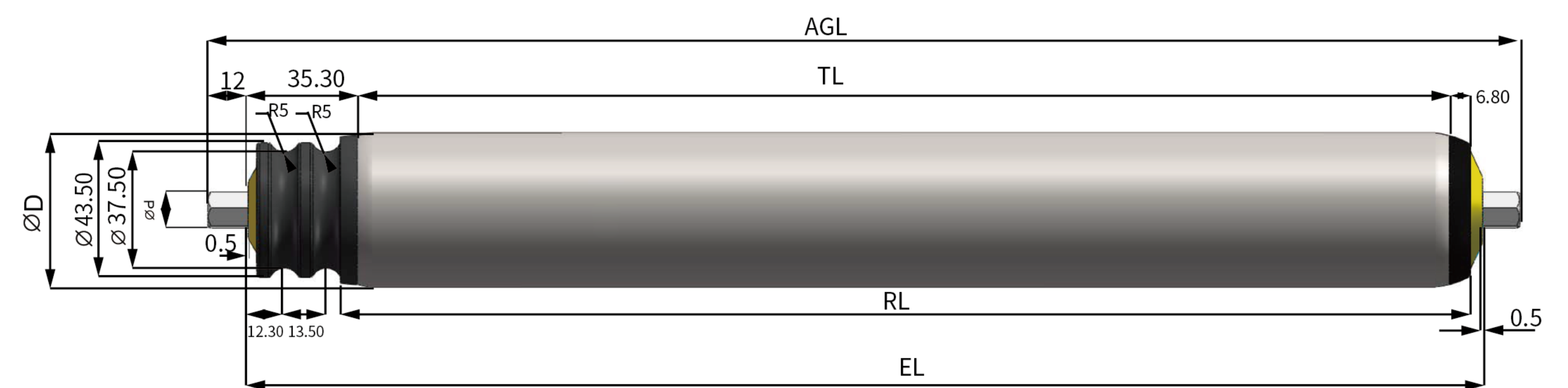
Ø Tube/ thickness (mm)	Ø Shaft (mm)	Bearing model	Installation method	Dimensional relationship		
φ50X1.5	11六方	6002-2RZ	Spring-press fit	RL=TL+12.8	EL=RL+35.8	AGL=EL+23
	φ12	6002-2RZ	Spring-press fit			

Dimensional drawing



Ø Tube/ thickness (mm)	Ø Shaft (mm)	Bearing model	Installation method	Dimensional relationship		
φ50X1.5 φ60X2.0	11六方	6002-2RZ	Spring-press fit	RL=TL+11.8	EL=RL+59	AGL=EL+23
	φ12	6002-2RZ	Spring-press fit			

Dimensional drawing



Ø Tube/ thickness (mm)	Ø Shaft (mm)	Bearing model	Installation method	Dimensional relationship		
φ50X1.5 φ60X2.0	11六方	6002-2RZ	Spring-press fit	RL=TL+12.3	EL=RL+34.8	AGL=EL+23
	φ12	6002-2RZ	Spring-press fit			

Driven Conveyor Roller Series M350

Dimensional drawing



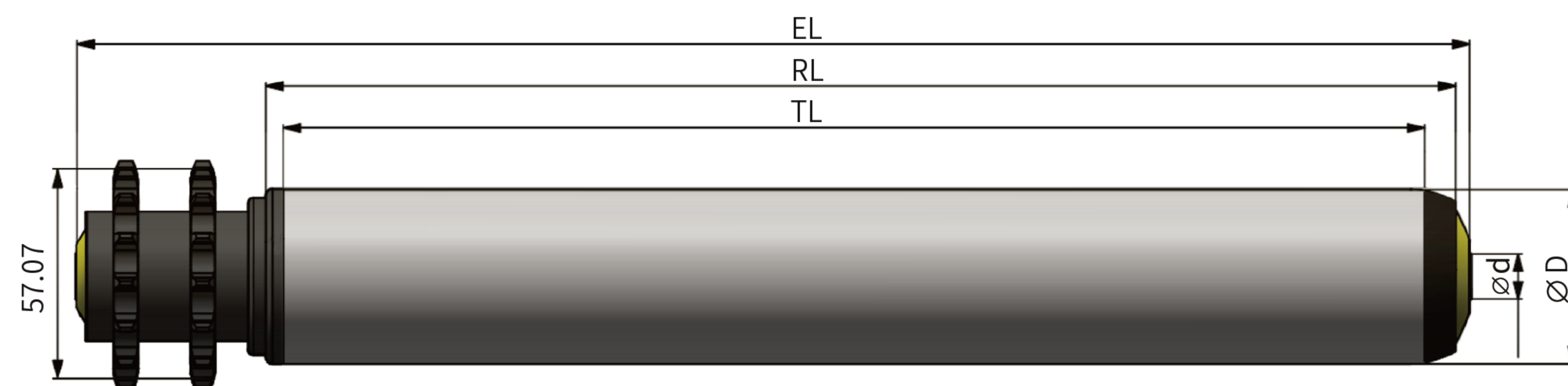
Ø Tube/ thickness (mm)	Ø Shaft (mm)	Bearing model	Installation method	Dimensional relationship	
φ50X1.5	φ12	6002-2RZ	Internal Thread	RL=TL+12.8	EL=RL+35.8
	φ14	6002-2RZ	Internal Thread		
	φ15	6002-2RZ	Internal Thread		

Dimensional drawing



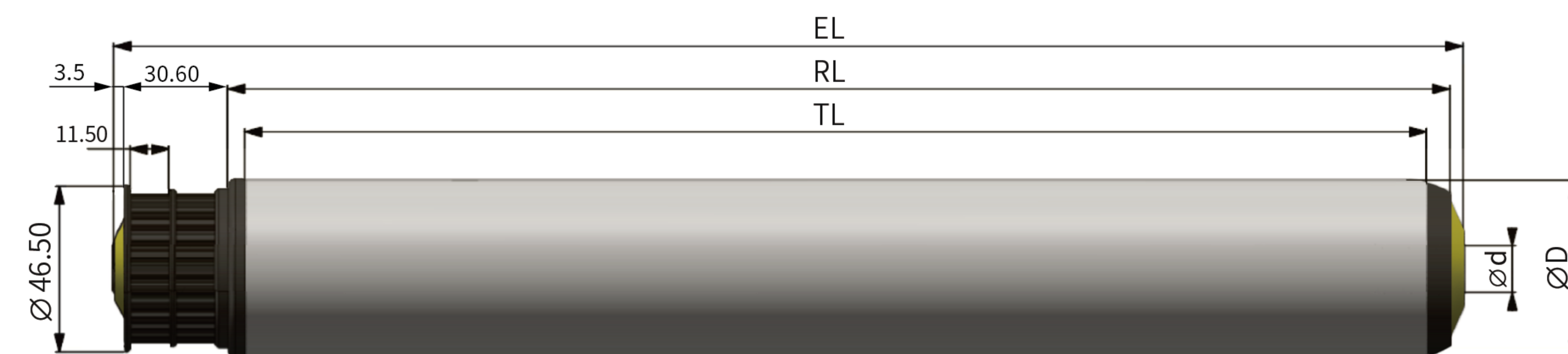
Ø Tube/ thickness (mm)	Ø Shaft (mm)	Bearing model	Installation method	Dimensional relationship	
φ50X1.5	φ12	6002-2RZ	Internal Thread	RL=TL+12.3	EL=RL+34.8
	φ14	6002-2RZ	Internal Thread		
	φ15	6002-2RZ	Internal Thread		

Dimensional drawing



Ø Tube/ thickness (mm)	Ø Shaft (mm)	Bearing model	Installation method	Dimensional relationship	
φ50X1.5 φ60X2.0	φ12	6002-2RZ	Internal Thread	RL=TL+11.8	EL=RL+59
	φ14	6002-2RZ	Internal Thread		
	φ15	6002-2RZ	Internal Thread		

Dimensional drawing



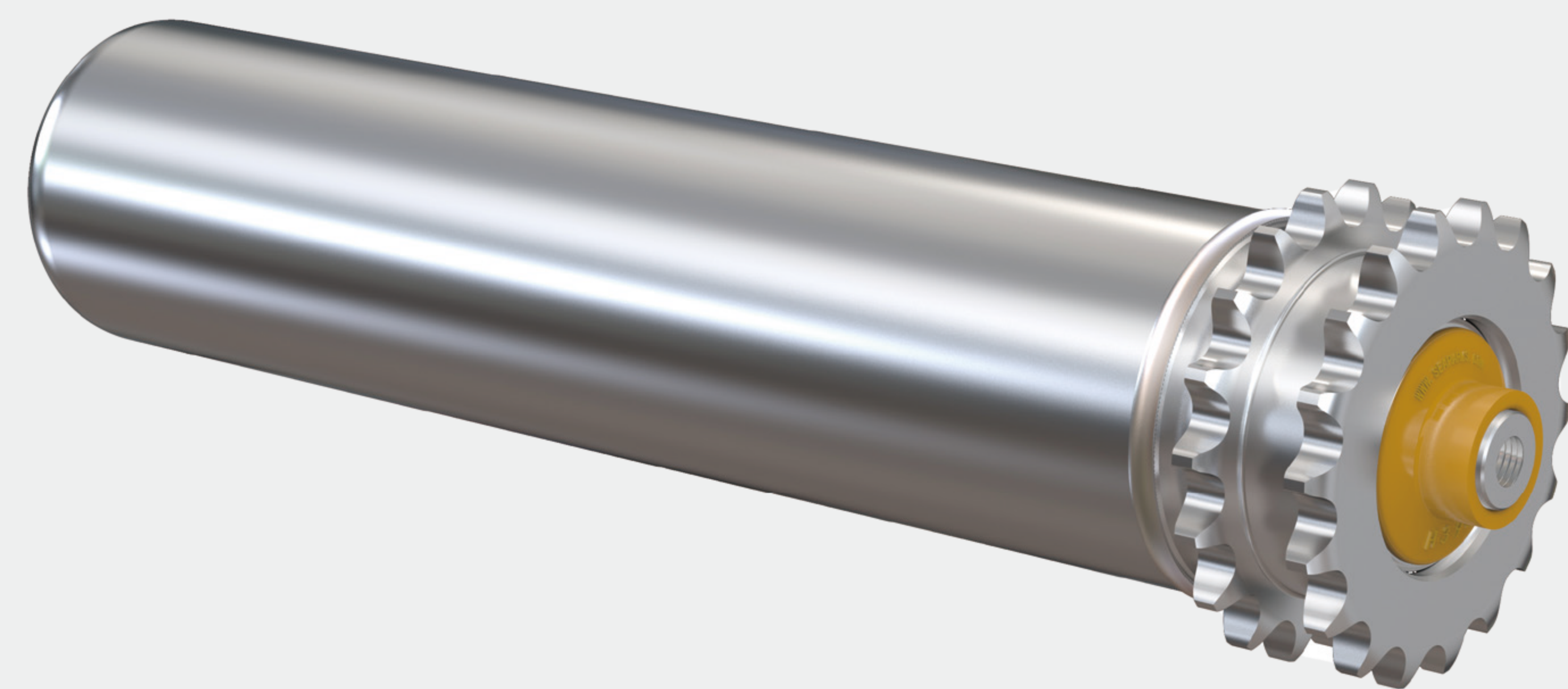
Ø Tube/ thickness (mm)	Ø Shaft (mm)	Bearing model	Installation method	Dimensional relationship	
φ50X1.5	φ12	6002-2RZ	Internal Thread	RL=TL+11.8	EL=RL+38.6
	φ14	6002-2RZ	Internal Thread		
	φ15	6002-2RZ	Internal Thread		

Driven Conveyor Roller Series H395

APPLICATION AREA

Application area

The conveyor roller is used for conveying heavy materials such as containers, barrels, wheels, pallets, or steel containers. Suitable temperature range: -5°C~+40°C.



Product features

- Sturdy structure** — The roller has a particularly stable and sturdy structure, and the chain wheel is made of steel and permanently welded.
- Multiple drive types** — Multiple chain wheel heads are available, and you can choose to use chain or tangential chain drive between the rollers.
- Side loading** — The end of the Tube is designed with a rounded shape, which allows easy loading of materials from the side, and eliminates axial force through ball bearings and seals.

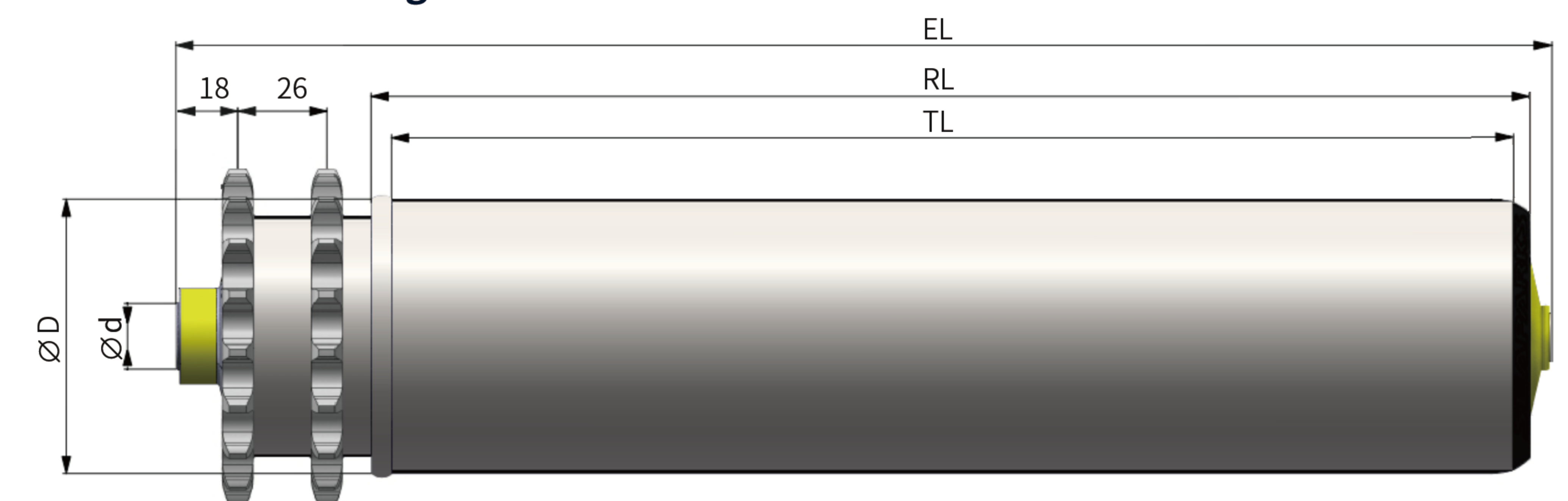
Model parameters

- Tube Data** — $\phi 80 \times 3$ mm, $\phi 89 \times 3$ mm, material is Q235B or stainless steel 304
- Shaft Data** — $\phi 20$ mm, material is 45# or stainless steel 304
- End cap Data** — High-strength nylon material
- Bearing Data** — 6205RZ, material is bearing steel or stainless steel
- Processing technology** — Internal and external threads, milling, surface knurling, punching, etc.
- Driven Mode** — 10B 15T, 10B 18T, double chain wheel.

Load capacity

Ø Tube/ thickness (mm)	Ø Shaft (mm)	Installation Method	Maximum static load (kg) for installation length (mm)							
			200	800	1000	1200	1400	1600	1800	2000
$\phi 80 \times 3$	$\phi 20$	Internal thread	500	500	500	500	450	345	270	220
$\phi 89 \times 3$	$\phi 20$	Internal thread	500	500	500	500	500	480	380	305

Dimensional drawing



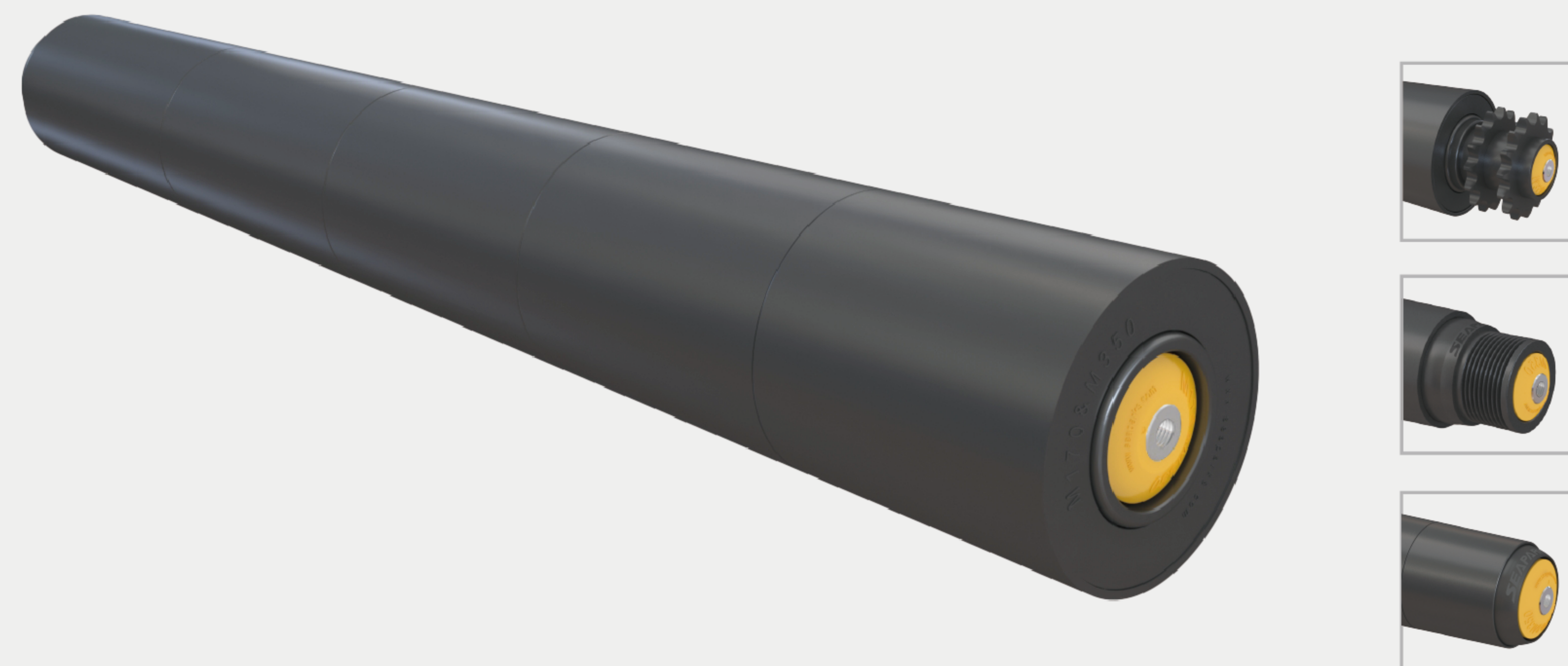
Ø Tube/thickness (mm)	Ø Shaft (mm)	Bearing model	Installation method	Dimensional relationship	
$\phi 80 \times 3$	$\phi 20$	6205-2RZ	Internal thread	RL=TL+9	EL=RL+62
$\phi 89 \times 3$	$\phi 20$	6205-2RZ	Internal thread	RL=TL+8	EL=RL+62.5

Curved Conveyor Roller Series CM170/CM350

APPLICATION AREA

Application area

This series can be used for the transportation of small cardboard or boxes, as well as for curved conveyance in the packaging industry and assembly line, etc. Suitable temperature range: -5°C~+40°C; Suitable for conveying goods weighing no more than 30kg.



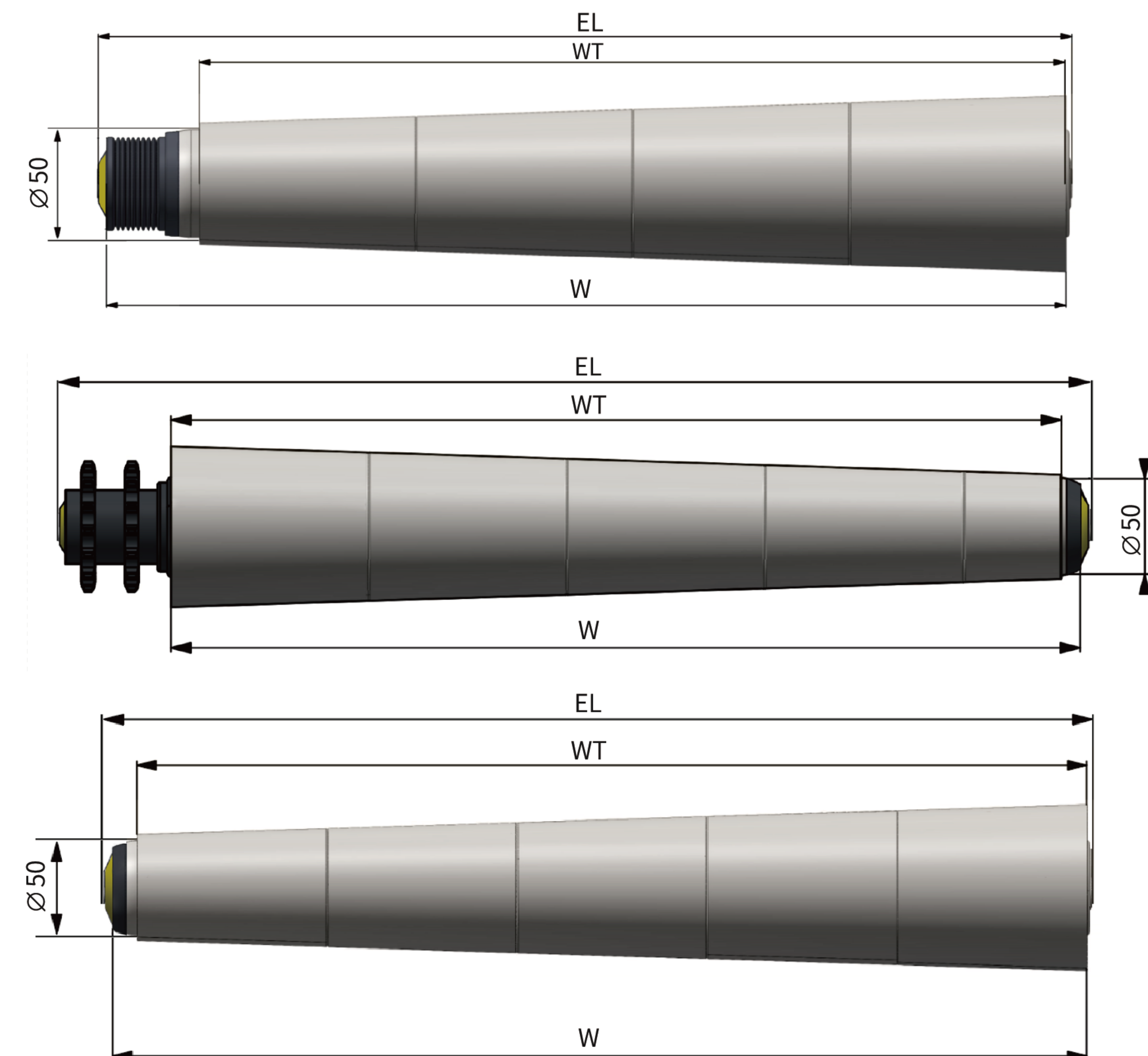
Product Features

- Low noise** — using polyamide driving head can achieve extremely quiet operation;
- Side loading** — the tube end is designed with a rounded shape, which can easily load materials from the side, and eliminate axial force through ball bearings and seals;
- Effective dust and water resistance** — the labyrinth seal makes the roller have excellent dust and water resistance;
- Stable structure** — based on the M170 and M350 series, the cylindrical body is covered with modular plastic cone sleeves (gray or black), which can realize the axial fixation of the non-driving side bearing component in multiple ways, and add perfect closure radius to achieve a stable structure.

Model Parameters

Tube Data	—	φ50x1.5mm, material is Q235B or stainless steel 304.
Shaft Data	—	φ14mm, 11HEX, material is 45# or stainless steel 304.
End cap Data	—	high-strength nylon material.
Sealing Data	—	labyrinth seal, high-strength nylon material.
Bearing Data	—	6002RZ, material is bearing steel or stainless steel.
Processing Technology	—	internal and external threads, milling, spring-pressed shaft, surface knurling, punching, etc.
Driven Mode	—	PolyVee head (PJ), sprocket (08B-14T), round belt.

Dimensional drawing



Curved Conveyor Roller Series CM170/CM350

Ø Tube/thickness (mm)	Ø Shaft (mm)	Bearing model	Installation method	Dimensional relationship	
φ50X1.5	11HEX	6002-2RZ	Spring-loaded	EL/RL/TL Size Reference M170 and M350 Series WT and W Refer to the table below	EL=W+7.3 (Standard End Cap)
	φ12		Spring Press Fit/Internal Thread M8		EL=W+34.1 (Multi-Wedge Head)
	φ14		Internal Thread M8		EL=W+60.5 (Sprocket Head)
	φ15		Internal Thread M10		EL=W+33.1 (Round Belt Head)

W	WT (非精确值)	D1	D2
300-349	300	56.06	74.79
350-399	350	52.89	74.79
400-449	400	56.06	81.08
450-499	450	52.89	81.08
500-549	500	56.06	87.36
550-599	550	52.89	87.36
600-649	600	56.06	93.65
650-699	650	52.89	93.65
700-749	700	56.06	99.93
750-799	750	52.89	99.93
800-849	800	56.06	106.22
850-899	850	52.89	106.22
900-949	900	56.06	112.5
950-1000	950	52.89	112.5

Product model description

举例：M350-5015SS-14SS-A-2PAX2-13T-PU-EL1000

Serial no	Item	Content	Content description	Remarks
1	Model Code	M350	M: Medium-duty roller, max load 20~300kg	L: Light-duty roller, max load 5~18kg M: Medium-duty roller, max load 20~300kg H: Heavy-duty roller, max load 240~500kg 1: Non-driven head roller; 3: Driven head roller Product series codes used in different fields, including 10/20/50/70/80, etc.
2	Cylinder Specifications	5015SS	5015: Roller diameter and wall thickness	SS: Stainless Steel - 3812/5015/5020/6015/6020/7630/8030/8930 PA: Plastic (PVC) - 3815/5025 ZP: Carbon Steel (Q235-B) - 3812/5015/5020/6015/6020/7630/8030/8930
3	Axle Specifications	14SS	14: Axle Diameter SS: Stainless Steel	SS: Stainless Steel (304) - 10/11/12/14/15/20 (11 refers to hexagonal axle) ZP: Carbon Steel (Q235-B) - 10/11/12/14/15/20 (11 refers to hexagonal axle)
4	Installation Methods	A	A: Internal Thread	A - Internal Thread B - Spring Press-fit C - Milling Flat Z - Other
5	Types of Drive Heads	2PAX2	2: Drive Head Type PA: Drive Head Material X2: Double-End Drive	1: Multiple V-Belt Head PA/SS/ZP 2: Chain Sprocket Head PA/SS/ZP 3: Round Belt Head PA 4: Timing Belt Head PA/ZP If single-end drive, no X2. If no drive head, leave this item blank.
6	Special Customization for Drive Head	13T	13T: Number of teeth for sprocket wheel	If there is any special customization for the drive head, please provide the information. Leave it blank if using the standard drive head, refer to the catalog for standard specifications.
7	Other Customization	PU	PU: 2mm thick black PU coating	2mm PU/PVC coating or other special types of coating with different thickness.
8	Installation Size	EL1000	EL=1000MM	When selecting, the EL value should be 1mm smaller than the actual width of the frame.