

**CATALOGUE**  
**CONVEYOR ROLLERS**

LAR TRANSPORTNI SISTEMI d.o.o.  
SI/07/2017

[www.conveyorrollers-lar.com](http://www.conveyorrollers-lar.com)



## The company LAR TRANSPORTNI SISTEMI, d.o.o.

**LAR TRANSPORTNI SISTEMI d.o.o.** is a family-owned company. The company has settled status succession. The company's tradition goes back years and its development through various organisational forms has led to the present structure. From its beginnings in garages and households, the company has developed into a medium-sized enterprise. While conducting field work, technically qualified salespeople are in constant contact with customers and together with the salespeople and other persons working at the company's registered office form a homogeneous unit capable of solving even the most complex requirements of our customers.

**We are shaping** an entirely new path throughout the Slovenian and other markets, since we successfully connect our customers and suppliers. We provide our customers with assistance of verified and renowned foreign and domestic suppliers, quick response time and a very high level of services. With regard to this we do not rely solely on the superior quality of our product range but we also facilitate active participation in solving your problems and projects, while also providing support to the customer in achieving their goals.

**With a clear business vision** and aware of our advantages, we are building our path to long-term trust, quality of services, high professional skills and compliance with the agreed obligations.

**A high level of organisation** and good knowledge of the problems allow us to offer the client a solution to any problem at any time. Even the most complex projects are a welcome challenge that helps our further development providing us with a new motive for the work we are doing.

You can **rest assured** that you can always count on our professional assistance and know-how and that we will always lend an ear and provide proper advice which is priceless.

**Continuous care** for customer satisfaction which is achieved on a partnership basis and with the help of invaluable personal contact broadens the circle of customers that endorse us.

The **great responsibility** with regards to the trust shown to us is a big challenge for every new day, new project or new problem that we will help you solve.

We **look forward** to cooperating with you. Check the credibility of the introductory statements.



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LAR TRANSPORTNI SISTEMI





## LABELLING OF GRAVITY ROLLERS

Example: TIP **KK520 60x1.5 A10 NN 6x15 EL=540**  
① ② ③ ④ ⑤ ⑥ ⑦

- ① **K** Pipe material – metal galvanised pipe
- ② **K520** Metal bearing system – high capacity class
- ③ **60** External roller diameter (mm)
- ④ **1.5** Roller wall thickness (mm)
- ⑤ **A10** Roller load bearing axis diameter (mm)
- ⑥ **NN 6x15** Roller axis design – internal thread
- ⑦ **EL=540** Roller installation length (mm)

## SYMBOLS



150 (daN)- Informative load capacity value per roller



0 - 80 C° - Temperature range



Lubrication



6202 – Type of bearing



No. of teeth (sprocket, Poly V, etc.)

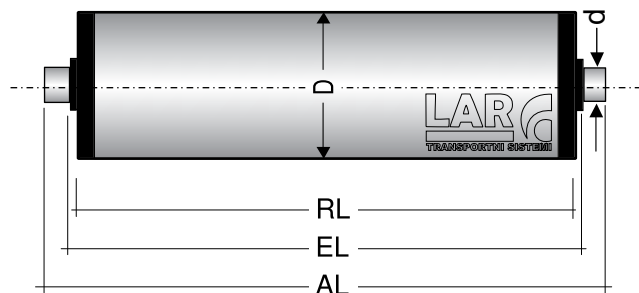
# Roller designs and dimensions

## DIMENSIONAL MARKINGS:

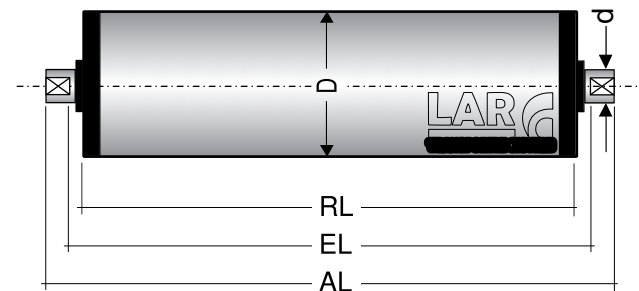
- D** - external roller diameter (mm)
- Ds** - roller wall thickness (mm)
- d** - roller load bearing axis diameter (mm)
- RL** - roller operational width (mm)
- EL** - roller installation dimension (mm)
- AL** - load bearing axis length (mm)

## AXIS DESIGNS:

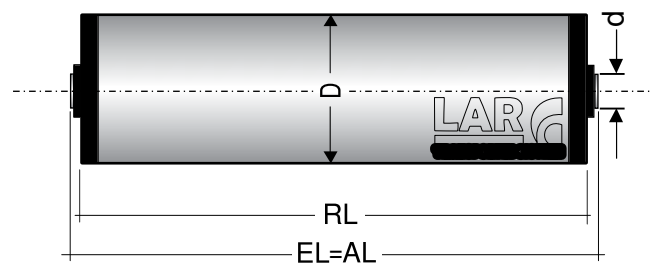
- G** - even, fixed axis
- VZ** - spring axis



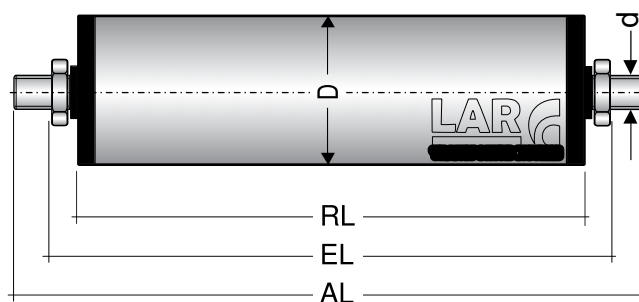
- NK** - wrench socket



- NN** - internal thread



- ZN** - external thread



All figures and drawings in this catalogue are symbolic and do not represent the actual situation, but rather serve a purely illustrative display.

## MATERIALS – DESCRIPTION

### **J – steel pipe – black**

Steel pipes according to the standard EN 10305-3 are welded, cold sized pipes with a circular cross-section for precise application with a specific external diameter. They have precisely defined tolerances for the dimensions and a specific maximum surface roughness.

### **K – galvanised steel pipe - blank**

Steel pipes according to the standard EN 10305-3 are cold sized pipes with a circular cross-section welded from galvanised band for precise application with a specific external diameter. They have precisely defined tolerances for the dimensions and a specific maximum surface roughness.

### **X – 1.4301 INOX, stainless steel pipe**

Steel pipes according to the standard DIN 17455 are welded pipes from stainless steel with a circular cross-section for precise application with a specific external diameter. They have precisely defined tolerances for the dimensions and surface roughness.

### **Al – AlMgSi 0.5, aluminium pipe**

Round aluminium pipes are made of aluminium alloy and meet the material standard according to EN 573-3 and 755-2. The pipes are made according to the extrusion process (T66) with a circular cross-section. Dimensions, diameter, cross-section and mass are within the tolerance range in accordance to EN 755-7.

### **P – PVC plastics, plastic tube according to EN ISO 1163**

Plastic PVC (polyvinyl chloride) tubes are made from non-combustible plastic material with very good chemical resistance and mechanical strength, and they can tolerate constant temperature loads from -15 to +60°C.

### **O – PVC Baytec lining**

The Baytec PVC plastic lining is put onto the surface of the metal rollers. The hardness of the lining is  $\pm 63\text{ShA}$ . The lining is available in 2mm thickness and is grey silver in colour.

## MATERIALS – TREATMENT

- Galvanising :** Excellent alkaline (acid) galvanising with blue passivation with a uniform zinc coating according to DIN 50961.
- Crimping :** It is applied to the pipe surface according to the DIN 82 and DIN 403 procedure.
- Filling :** It is carried out by filling the polymer onto the roller according to the plan or in agreement with the customer.
- Ruber lining :** It is carried out by means of rubber (elastomer) application according to the plan or in agreement with the customer.
- Painting :** It is carried out for the protection of metal surfaces and the extension of the surface stability of metals according to the agreement with the customer.
- Other :**
- Tempered and/or abraded designs are performed on demand.
  - The weight of coated pipes depends on the coating.
  - On-demand chromed, nickel-plated and burnished designs.
  - We also provide you with operating conditions under the ATEX Directive.

Other versions on request.

# Pipe materials

## MARKING

## MATERIAL

<b>J</b>	-	Steel pipe – black
<b>K</b>	-	Galvanised steel pipe – blank
<b>X</b>	-	Stainless steel pipe – Inox 1.4301
<b>Al</b>	-	Aluminum pipe – AlMgSi 0.5
<b>P</b>	-	PVC plastic tube – grey or blue colour
<b>G</b>	-	Rubberised steel pipe
<b>O</b>	-	PVC Baytec lining ± 63 ShA – silver grey

## DIMENSIONS OF PIPES

### K – Steel pipe – galvanised

D (mm)	Ds (mm)	Weight (kg/m)
20.0	x 1.5	0.684
30.0	x 1.5	1.054
40.0	x 1.5	1.425
50.0	x 1.5	1.794
50.0	x 2.0	2.368
60.0	x 2.0	2.861
60.0	x 3.0	4.217
63.5	x 2.9	4.334
80.0	x 2.0	3.847
80.0	x 3.0	5.696
89.0	x 3.0	6.151
108.0	x 3.6	9.272
133.0	x 4.0	12.730
159.0	x 4.5	17.153

### P – PVC Plastic tube

D (mm)	Ds (mm)	Weight (kg/m)
20.0	x 1.5	0.137
30.0	x 1.8	0.245
40.0	x 2.3	0.419
50.0	x 2.8	0.640
63.0	x 3.0	4.217
90.0	x 7.0	6.151

### O – PVC Baytec lining ± 63ShA

D = 30.0, 40.0, 50.0, 60.0, 80.0, 89.0 mm  
Ds = 2.0 mm

### J – Steel pipe – black

D (mm)	Ds (mm)	Weight (kg/m)
50.0	x 1.5	1.794
50.0	x 2.0	2.368
60.0	x 2.0	2.861
63.5	x 2.9	4.334
80.0	x 2.0	3.847
80.0	x 3.0	5.696
89.0	x 3.0	6.151
108.0	x 3.6	9.272
133.0	x 4.0	12.730
159.0	x 4.5	17.153

### X – 1.4301 INOX – stainless

D (mm)	Ds (mm)	Weight (kg/m)
20.0	x 1.5	0.684
30.0	x 1.5	1.054
40.0	x 1.5	1.425
50.0	x 1.5	1.794
60.3	x 1.6	2.385
80.0	x 2.0	3.847
89.0	x 3.0	6.151
108.0	x 3.6	9.272

### Al – Aluminium pipe

D (mm)	Ds (mm)	Weight (kg/m)
20.0	x 1.5	0.235
30.0	x 1.5	0.245
40.0	x 1.5	0.500
50.0	x 1.5	0.617

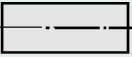
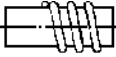
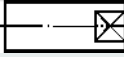


### G – Rubberised steel pipe

Pipe rubber lining is performed on demand.

Other versions on request.

MATERIAL	STANDARD	SPECIFICATION
J	- EN 10278	Steel axis – black
K	- EN 12329	Galvanised steel axis – blank
X	- DIN10088	1.4305 INOX, stainless steel axis

## AXIS DESIGNS

Axis diameter d (mm):	6.0	8.0	10.0	6k11	12.0	14.0	6k14	15.0	17.0	20.0	25.0
Weight (kg/m)	(0.222)	(0.395)	(0.617)	(0.823)	(0.888)	(1.208)	(1.300)	(1.387)	(1.782)	(2.466)	(3,853)
<b>G</b>  Even axis	10	10	10	10	10	10	10	10	15	15	15
<b>VZ</b>  Spring axis	10	10	10	10	10	10	10	10	15	15	15
<b>NK</b>  Wrench socket		5x10	8x10		10x10	12x10		12x10	14x10	14x10 14x15 15x10 15x15	18x10 18x15
<b>NN</b>  Internal thread		5x10	6x10		8x15	8x15 10x15		8x15 10x15	10x15 12x18	10x15 12x18	12x18 16x20
<b>ZN</b>  External thread	6x15	8x15	10x15		12x15	14x20				20x25	



# Table of load capacities of pipes and axes

**T1 – Table of load capacities of steel pipes by length (informative)**

**STEEL PIPE**

L - length (mm)

D/L	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400
20	48	25	20	10	10	10	10	10						
30	90	60	40	30	20	15	15	15						
40		230	170	120	80	60	40	30						
50				330	190	140	100	80	60	50	40	35		
60						330	200	120	110	90	70	55	40	35
63.5								500	390	300	240	190	160	140
80							470	380	260	200	160	140	120	110
89									470	380	310	250	210	180
108										520	430	350	290	260
133											600	510	460	430

Load capacity (kg)

**T2 – Table of load capacities of plastic tubes by length (informative)**

**PLASTIC TUBE**

L - length (mm)

D/L	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400
20	100	40	12,5											
30	130	100	65	45										
40	170	165	155	130										
50	230	220	200	170	100	40								
63				640	300	170	120	75	45					
90				700	430	230	150	120	90	60	50	35		

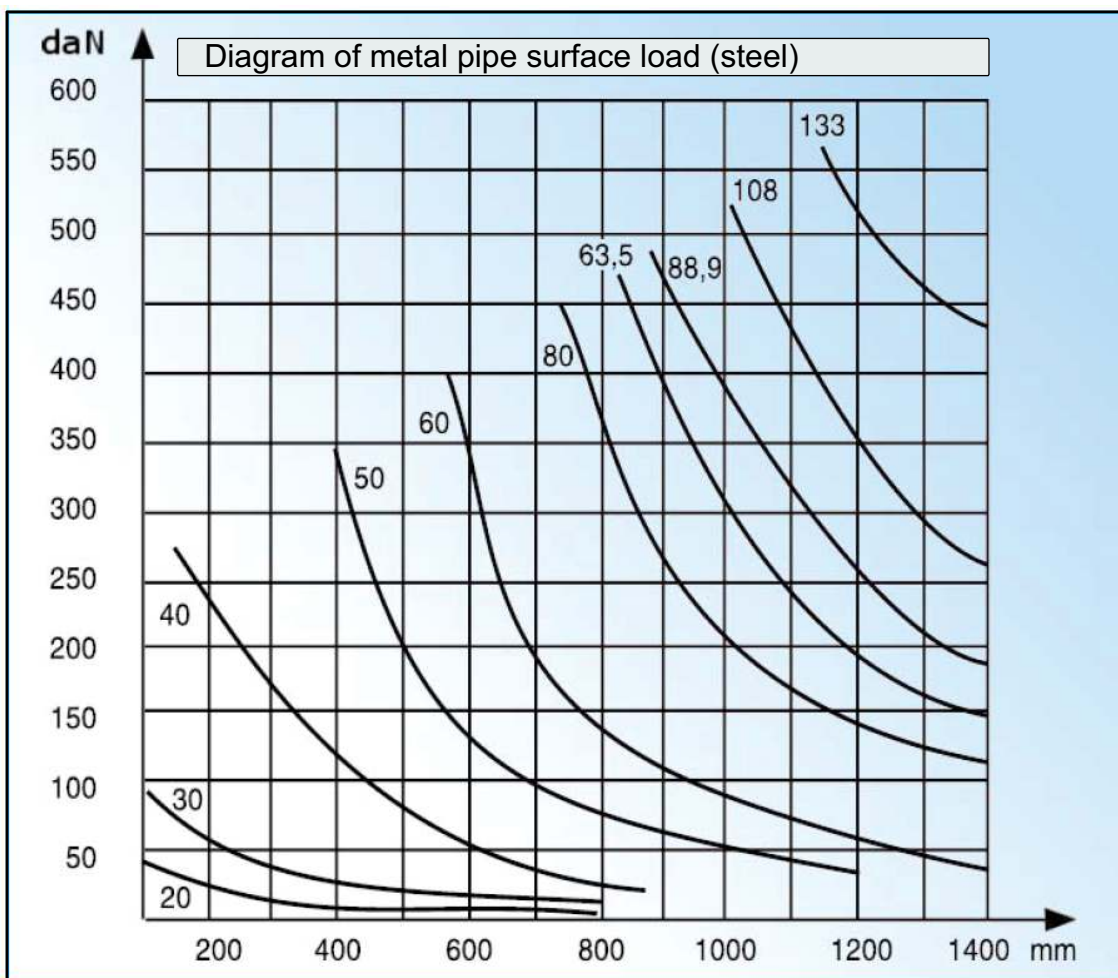
Load capacity (kg)

**IMPORTANT!**

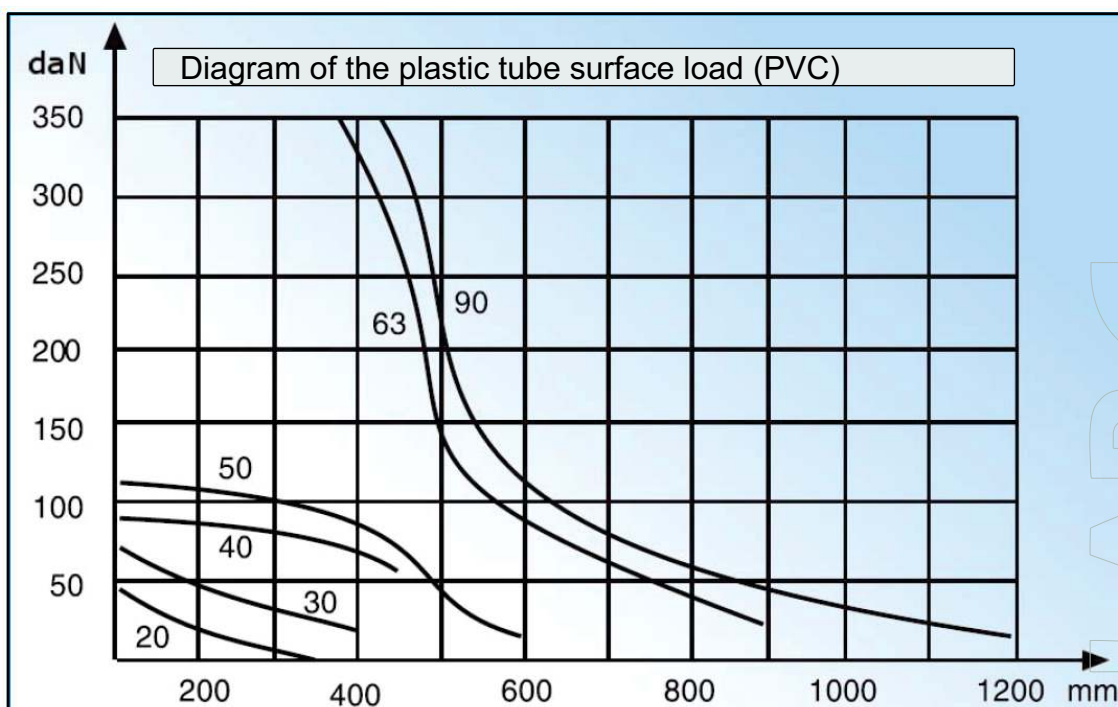
Values in TABLES (T1, T2) and DIAGRAMS (D1, D2, D3, D4) are informative and do not represent the actual load capacity values of the pipe and axis. Tables and diagrams are used for illustrative purposes.

# Pipe load capacity diagram

## STEEL PIPE

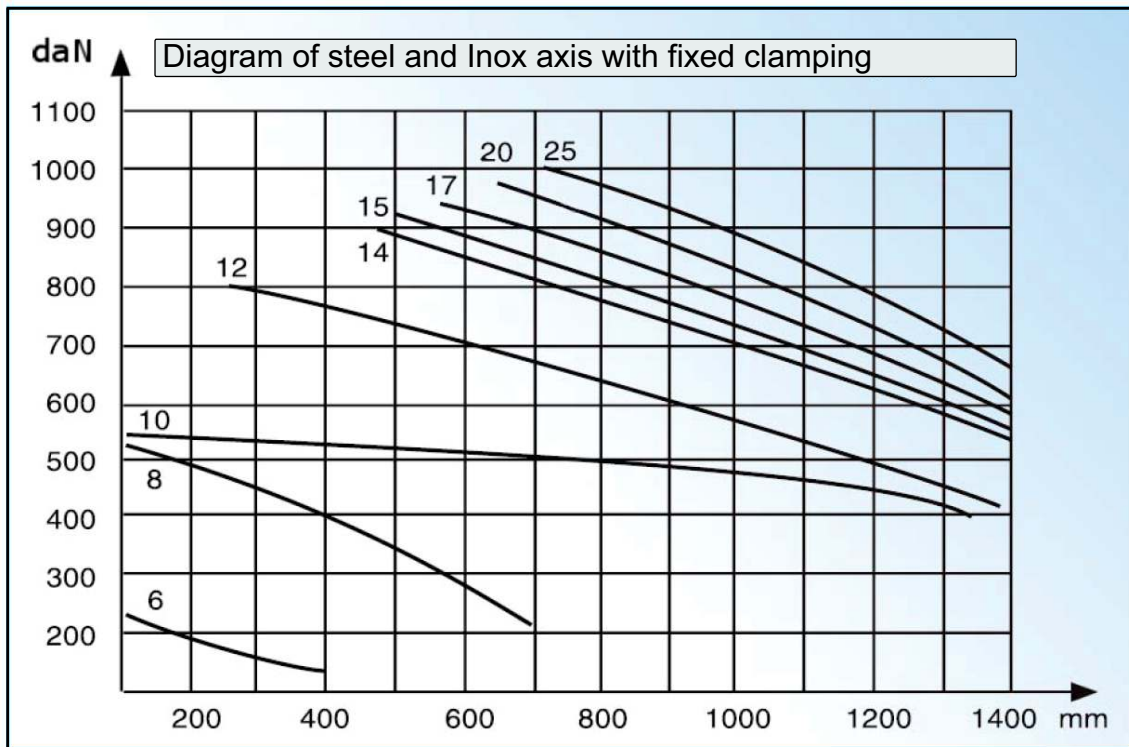


## PLASTIC TUBE

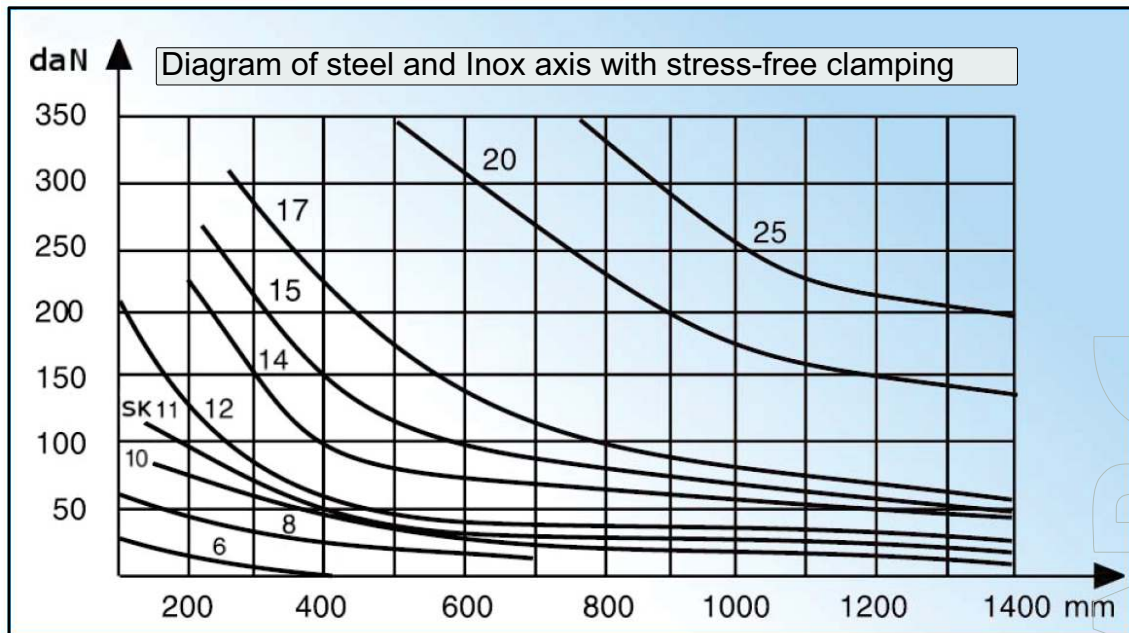


# Axis load capacity diagram

## WITH FIXED CLAMPING



## WITH STRESS-FREE CLAMPING



## LUBRICATION



- The bearing does not have special lubrication of the unit



- **EP0**  
The bearing has a lubrication for temperature stability from -30 to +120°C



- **EP2**  
The bearing has a lubrication for temperature stability from -30 to +120°C



- **Vactra 2**  
The bearing has a lubrication for temperature stability from -15 to +60°C

The best quality and tested lubricants and oils are provided for bearings. Other special oils and bearing lubricants are also supplied for the special purposes and requirements of customers in accordance with the agreement, including for high and low temperature conditions and other special conditions.

## BEARINGS

Standardised bearings or special bearing systems are used with rollers manufactured by Lar transportni sistemi which are specially designed for installation in conveyor rollers. For smooth and long lasting rollers we provide quality components and standard bearings that meet European standards.

The lifespan of the bearing among other things depends on the roller load and the rotation speed.

For all roller types, the approximate values (maximum recommended speeds and loads) are given, which in no case define a binding service life and are only informative.

The roller load does not imply a direct load on a single roller, but the rule that the informative load is distributed onto three rotating or operating rollers.

The clean working environment and the regular inspection of the roller components are important for the normal operation of the rollers. In the case of damaged components or parts of conveyor rollers, we advise you to continue to operate and recommend the immediate replacement of conveyor rollers.

Special dedicated bearings or bearing systems or by prior enquiry special bearing designs are also delivered for special purposes and requirements of customers.

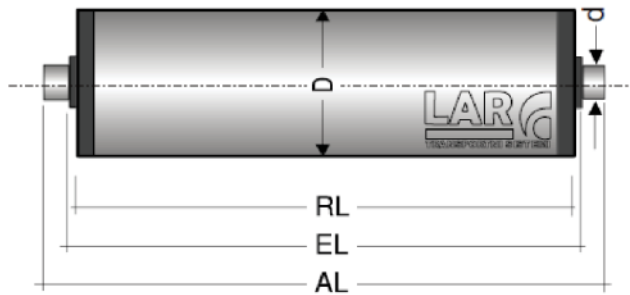
# Roller ordering form



Information – roller			
Company :			
Contact :			
Phone :			
Order :		Deadline :	
Date :		Quantity :	
CONVEYOR ROLLER – GRAVITY		DMA :	

ID \_\_\_\_\_

PRICE :



ROLLER TYPE				
J metal	K galvanised metal	P plastic (PVC)	X, Al stainless (Inox, aluminium )	O lining roller

DIMENSIONS			
* roller D = roller diameter	D		mm
* roller RL = roller operational width	RL		mm
* roller EL = installation dimension	EL		mm
* roller AL = axis length	AL		mm
* d = axis diameter	d		mm
* roller OB = roller load capacity	OB		DaN

METHOD OF AXIS CLAMPING				
G Even axis ( fixed )	VZ Spring axis	NK Wrench socket	NN Internal thread	ZN External thread
		P ___ x ___ mm	M ___ x ___ mm	M ___ x ___ mm

SPECIAL DESIGNS AND REQUIREMENTS (DESCRIPTION:)

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<b>CODE:</b>		<b>NAME:</b>	
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## GRAVITY - (P,K)

**LIGHT-DUTY rollers - load capacity class**

# 100



( up to 50daN per roller )

Series: *plastic – type* P100, P110, P102, P131

Series: *metal – type* K116

**MEDIUM-DUTY rollers - load capacity class**

# 300



( up to 160daN per roller )

Series: *plastic – type* P330, P340, P342

Series: *metal – type* K320

**HIGH capacity rollers - load capacity class**

# 500



( up to 300daN per roller )

Series: *plastic – type* P543, P544

Series: *metal – type* K530, K540

**HEAVY-DUTY load capacity rollers- load capacity class**

# 700



( up to 300daN per roller )

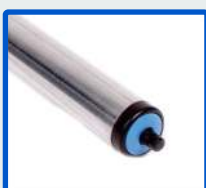
Series: *metal – type* K744, K747, K748

## ADDITIONAL VARIANTS

- MADE OF STAINLESS STEEL AND ALUMINIUM
  - SPECIAL ROLLER SURFACE MACHINING – CRIMPING
  - WITH GUIDE PLATES
  - ANTISTATIC VARIANTS
  - CHROMING, PAINTING, RUBBER LINING, FILLING, ETC.
  - HIGH TEMPERATURE-RESISTANT ROLLERS WITH SPECIAL LUBRICANTS
  - LININGS AGAINST DAMAGE, SLIPPING, HIGH TEMPERATURE -RESISTANT
- WE PROVIDE ROLLERS FOR MINES AND EX ZONES WHICH FULFILL THE OPERATING CONDITIONS ACCORDING TO THE ATEX DIRECTIVE IN ZONE I IM2 AND II M2.



**P100  
P101**



**P110  
P111**



**P102  
P103**



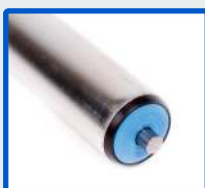
**P131**



**K116**



**P330**



**P342**



**K320**



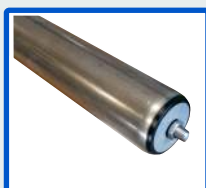
**P543**



**K530**



**K540**



**P740**



**K744**



**K747**



**K748**



# Conveyor rollers 100

GRAVITY

# 100

*LIGHT-DUTY* rollers – load capacity class

up to 50daN per roller

Series: *plastic* – type P100, P110, P102, P131

Series: *metal* – type K116



## Light-duty class 100

Rollers and roller tracks of this load capacity class are suitable for conveying lighter and smaller articles and products, since they provide maximum loads of up to 50daN per roller.

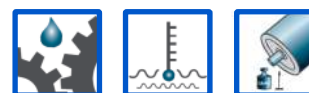
They are suitable for conveying paper or cardboard packaging, smaller packages and containers, plastic packaging products for pharmacies, pharmaceutical and food industries, for conveying lighter aluminium, copper, metal and electronic products, etc. whose mass does not exceed 50kg per roller. **Suitable rotation speed of the rollers of this class equal up to 0.5m/s.**

- Usability :
- For light-duty gravity conveyor rollers
  - With precision rollers and also suitable for axial loads
  - Smooth functioning of the motor-driven conveyors
  - Special-purpose variants - antistatic
    - with special lubricants



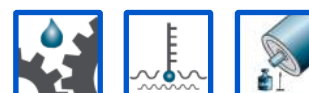
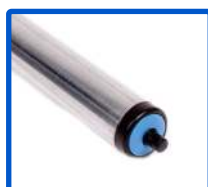


**P100  
P101**



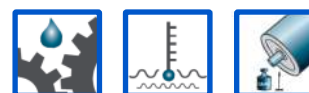
**0-80 c° 14 daN**

**Spring P110  
Spring P111**



**0-80 c° 20 daN**

**P102  
P103**



**0-80 c° 20 daN**

**Inox P131**



**RL-31 Vactra 2 0-80 c° 50 daN**



**RL-16 Vactra 2 0-100 c° 60 daN**

# Light-duty rollers P100



Type:

GRAVITY

**P100**  
**P101**

## ROLLER DESCRIPTION

**SERIES :** P – plastic bearing system  
**CLASS :** 1 – light-duty roller  
**TYPE :** 00 – steel/01 – Inox

**USABILITY:**

- A lightweight cost-effective gravity roller
- The Inox variant provides moisture and anti-corrosion resistance
- Suitable for most light – duty loads

**APPLICATION :**

- In-house transport technology
- For gravity-type applications only

**CHARACTERISTICS :**

- Precise and smooth roller operation because of a special ball bearing and polypropylene base
- Waterproof
- lightweight and smoothly running gravity roller

### PIPE DESIGNS :

- Plastic tube
- Metal pipe
- Aluminium pipe

### AXIS DESIGNS :

- Even, spring
- Wrench socket
- Internal thread
- External thread

-a low BM 8 nut (DIN 439) for axis (fi 6- BM6, fi 8- BM8, fi10- BM10) is added

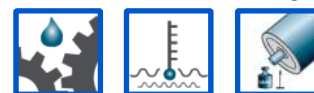
### MATERIAL :

- Roller bearing : from thermoplastics with a single ball series.
- Bearing housing : plastic
- Internal ring : plastic
- Bearing cage : plastic
- Seal : plastic
- Bushing :
- The balls are made :
  - from steel (P100)
  - from Inox 1.4034 (P101)

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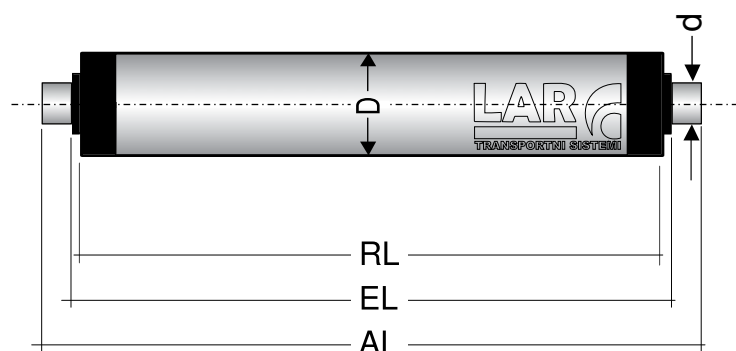
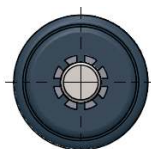
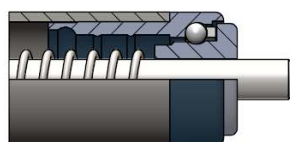


Type: **P100**  
**P101**



0-80 C° 14 daN

Max. roller speed: 0.4 m/s

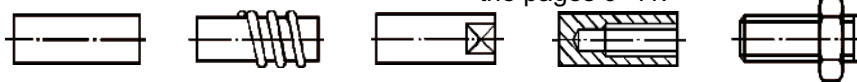


Pipe - D (mm)	Axis- d (mm)	Pipe design								Max. load capacity		Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A	daN	per roller*		
										<b>P100</b>	<b>P101</b>	
20 x 1.5	6,8	●	●	○		●	●	○		10	10	0.2
30 x 1.5	6,8	●	●	○	●	●		○		14	14	0.3
30 x 1.8	6,8				●		●			14	14	0.3
40 x 1.5	8,10	●	●	○	●	●		○		14	14	0.4
40 x 2.3	8,10				●		●			14	14	0.4



○ - design on request  
● - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
20,30	6	RL=EL- AL=EL+	-4 20	-4 20			-12 30
20,30,40	8	RL=EL- AL=EL+	-4 20	-4 20	-6 20	-6 0	-14 30
40	10	RL=EL- AL=EL+	-4 20	-4 20	-6 20	-6 0	-16 30

Other on-demand designs.

Ordering example: PP100 20x1.5 A8 VZ EL=370

[www.conveyorrollers-lar.com](http://www.conveyorrollers-lar.com)

# Light-duty roller P110



GRAVITY

Type: Spring P110  
P111

## ROLLER DESCRIPTION

**SERIES :** P - Pastic bearing system  
**CLASS :** 1 - Light-duty roller  
**TYPE :** 10 - steel/11 – Inox

**USABILITY :**

- A spring roller suitable for most light-duty load capacities
- A lightweight cost-effective gravity roller
- The Inox variant provides moisture and anti-corrosion resistance

**APPLICATION :**

- In-house transport technology
- For gravity-type applications only

**CHARACTERISTICS :**

- Precise and smooth roller operation because of a special ball bearing and polypropylene base
- lightweight and smoothly running gravity roller
- Bearing with spring axis

### PIPE DESIGNS:

- Plastic tube
- Metal pipe
- Aluminium pipe

### AXIS DESIGNS :

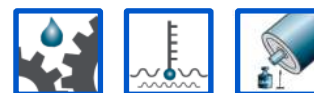
- Spring

### MATERIAL :

- Roller bearing : from thermoplastics with a double ball series.
- Bearing housing : plastic
- Internal ring : plastic
- Bearing cage : plastic
- Seal : plastic
- Bushing : plastic
- The balls and the spring are made :
  - from steel ( P110)
  - from Inox 1.4034 (P111)

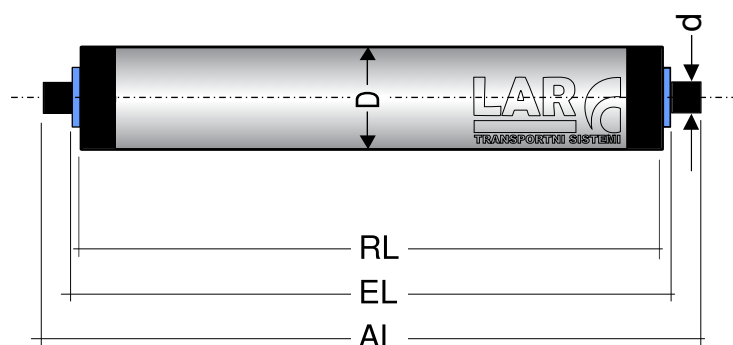
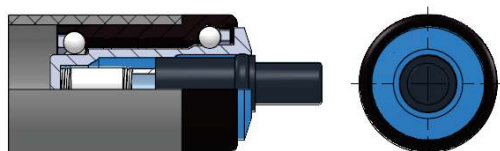


Type: **P110**  
**P111**



0-80 C° 20 daN

Max. roller speed: 0.5 m/s

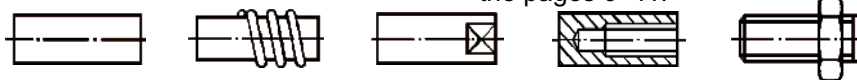


Pipe - D (mm)	Axis- d (mm)	Pipe design								Max. load capacity		Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A	daN per roller*	P110	P111	
20 x 1.5	6	●	●	○		●	●	○		16	16	0.2
30 x 1.8	8				○		●			20	20	0.3
40 x 2.3	8				○		●			20	20	0.4
50 x 2.8	10				○		●			30	30	0.5



○ - design on request  
● - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
20	6	RL=EL- AL=EL+		-8 16			
30,40	8	RL=EL- AL=EL+		-8 16			
50	10	RL=EL- AL=EL+		-4 20			

Other versions on request.

Ordering example: PP110 30x1.8 A8 VZ EL=260

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# Light-duty load capacity roller P102



Type:

GRAVITY

**P102**  
**P103**

## ROLLER DESCRIPTION

**SERIES :** P - Pastic bearing system  
**CLASS :** 1 - Light-duty roller  
**TYPE :** 02 - steel/03 – Inox

**USABILITY :**

- A lightweight cost-effective gravity roller
- The Inox variant provides moisture and anti-corrosion resistance
- Suitable for light-duty loads

**APPLICATION :**

- In-house transport technology
- For gravity-type applications only

**CHARACTERISTICS :**

- Smooth and precise roller operation because of a special double ball bearing system and polypropylene base
- Waterproof
- lightweight and smoothly running gravity roller

## PIPE DESIGNS:

- Plastic tube
- Metal pipe
- Aluminium pipe

## AXIS DESIGNS :

- Even, spring
- Wrench socket
- Internal thread
- External thread

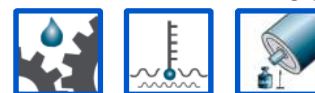
- a low BM 12 nut is added (DIN 439)

**MATERIAL :**

- Roller bearing : from thermoplastics with a double ball series.
- Bearing housing : plastic
- Internal ring : plastic
- Bearing cage : plastic
- Seal : plastic
- Bushing : plastic
- The balls are made :
  - from steel ( P102)
  - from Inox 1.4034 (P103)

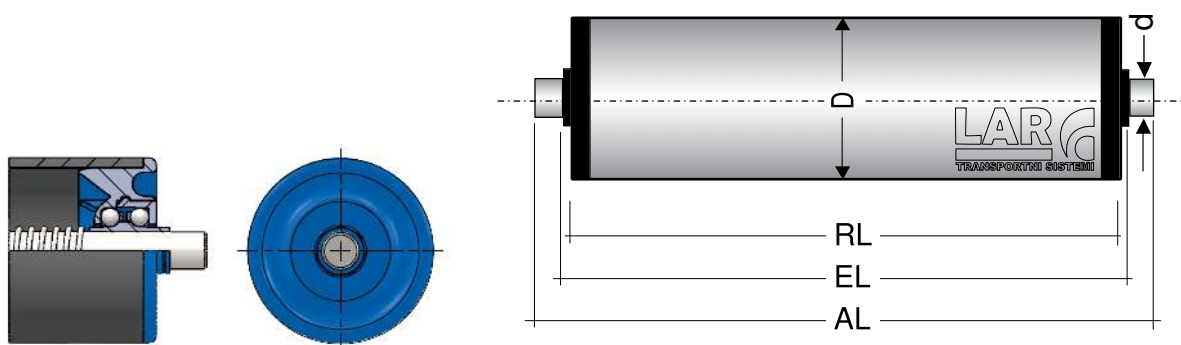


Type: **P102**  
**P103**



0-80 C° 20 daN

Max. roller speed: 0.5 m/s

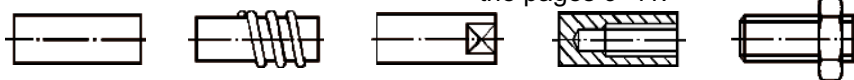


Pipe - D (mm)	Axis- d (mm)	Pipe design								Max. load capacity		Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A	daN	per roller*		
										<b>P102</b>	<b>P103</b>	
50 x 1.5	12.6k11	●	●	○	●	●			○	20	20	0.5
50 x 2.8	12.6k11								●	20	20	0.5



○ - design on request  
● - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



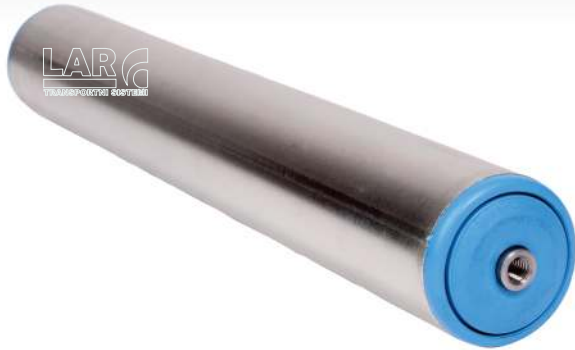
Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
50	12	RL=EL- AL=EL+	-7 20	-7 20	-9 20	-9 0	-21 30
50	6k11	RL=EL- AL=EL+	-7 20	-7 20			

Other versions on request.

Ordering example: PP102 50x1.5 A12 VZ EL=450

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# Light-duty load capacity roller P131



**GRAVITY**

**Type:                   Inox P131**

## ROLLER DESCRIPTION

**SERIES :**           P - Pastic bearing system  
**CLASS :**            1 - Light-duty roller  
**TYPE :**            31 - **Inox, 31z – Inox, rounded-off edge**

**USABILITY :**       - Suitable for light-duty loads in food and pharmaceutical industries or in positions where it is exposed to strong humidity (washing, baths, etc.)  
                          - Moisture and anti-corrosion resistant

**APPLICATION :**   - In-house transport technology  
                          - For gravity-type applications only

**CHARACTERISTICS :**       - Quiet and precise as well as smooth roller operation because of a special ball bearing  
                                      - Waterproof  
                                      - Enabled smoother lateral material passage due to a rounded-off roller edge (Inox P131z)

### PIPE DESIGNS:

- Plastic tube
- Inox metal pipe
- Aluminium pipe

### AXIS DESIGNS :

- Even, spring
- Wrench socket
- Internal thread
- External thread
- a low BM 10 nut is added (DIN 439) for axis (fi10- BM10, fi12- BM12)

### MATERIAL :

- Roller bearing :       from thermoplastics with a single ball series RL-31
- Bearing housing :     Inox 1.4301
- Internal ring :        Inox 1.4301
- Bearing cage :        plastic
- Seal :                 labyrinth-type single, plastic
- Bushing :             plastic
- The balls are made :                   - from Inox 1.4301 (P131)





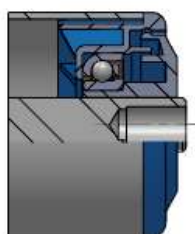


Type: **Inox P131**

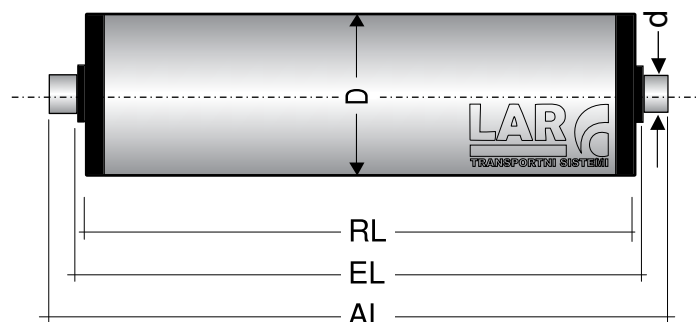


RL-31 Vactra 2 0-80 c° 50 daN

Max. roller speed : 0.5 m/s  
Option P131z



Option  
P131z

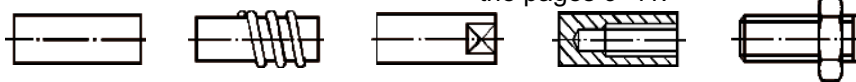


Pipe - D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN per roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
										<b>P131</b>	
50 x 1.5	10,12	○	○	○	●	●			●	50	0.5
50 x 2.8	10,12								●	50	0.5



○ - design on request  
● - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
50	10	RL=EL-	-5	-5	-7	-7	-17
		AL=EL+	20	20	20	0	30
50	12	RL=EL-	-5	-5	-7	-7	-19
		AL=EL+	20	20	20	0	30

Other versions on request.

Ordering example: XP131 50x1.5 A12 ZN 12x15 EL=550

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# Light-duty roller K116



**GRAVITY**

**Type:**

**K116**

## ROLLER DESCRIPTION

**SERIES :** K - Metal bearing system  
**CLASS :** 1 - Light-duty load capacity roller  
**TYPE :** 16 - Steel

**USABILITY :**

- Suitable for light-duty loads in positions where a less surface sensitive roller is provided
- A lightweight cost-effective gravity roller
- Medium-duty precision rollers and also suitable for axial loads

**APPLICATION :**

- In-house transport technology
- For gravity-type applications only

**CHARACTERISTICS :**

- Precise and smooth roller operation due to a special ball bearing
- Reduced noise during operation
- Surface-resistant and durable roller

### PIPE DESIGNS:

- Galvanised metal tube
- Inox metal pipe
- Aluminium pipe

### AXIS DESIGNS :

- Even, spring
- Wrench socket
- Internal thread
- External thread
- a low BM 10 nut is added (DIN 439) for axis (fi 8-BM8, fi10-Bm10)

**MATERIAL :**

- Roller bearing : from galvanised steel sheet with a cone ball bearing RL-16
- Bearing housing : steel, hardened
- Internal ring : steel, hardened, galvanised
- Bearing cage : plastic
- Seal :
- Bushing : steel
- The balls are made :- from steel (K116)

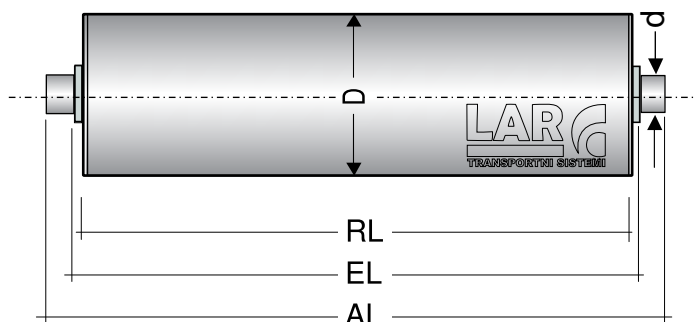
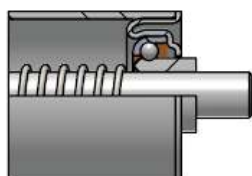


Type: **K116**



**RL-31** Vactra 2 **0-100** c° **60** daN

Max. roller speed : **0.3 m/s**

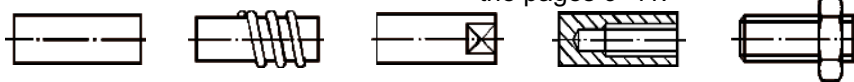


Pipe - D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN per roller*	Recommended approx. max. roller speed m/s	
		J	K	G	O	X	P	A				
30 x 1.5	8,10	●	●	○	○				○	<b>K116</b>	60	0.3



- - design on request
- - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
30	8	RL=EL- AL=EL+	-7 20	-7 20	-9 20	-9 0	-17 30
30	10	RL=EL- AL=EL+	-7 20	-7 20	-9 20	-9 0	-19 30

Other versions on request.

Ordering example: KK116 30x1.5 A8 NN 5x10 EL=350

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# Conveyor rollers 300

GRAVITY

*MEDIUM-DUTY* rollers – load capacity class of

# 300

*up to 160daN per roller*

Series: *plastic* – type **P330, P342**

Series: *metal* – type **K320**

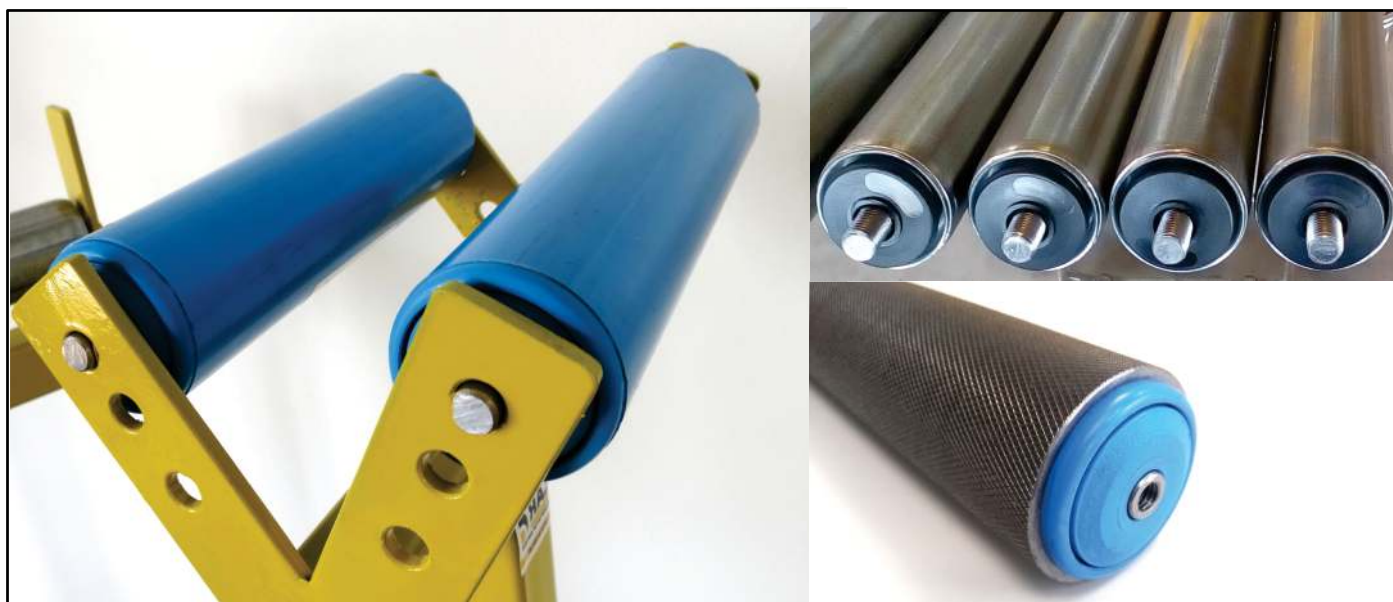


## Medium-duty class 300

Rollers and roller tracks of this load capacity class are suitable for conveying medium weight and medium-sized articles and products, since they provide **maximum loads of up to 160daN** per roller category.





Suitable for transporting packaged consumer goods and for all types of production from metal, chemical, glass, paper processing, electrical industry etc., for conveying medium weight packages of wood, metal, paper and plastic, etc. whose mass does not exceed 160kg per rollers. **Suitable roller speed of up to 0.5m/s.**

- Usability :
- For medium-duty gravity conveyor rollers
  - With medium precision and also suitable for axial loads
  - Smooth functioning of the motor-driven conveyors
  - Quiet operation
  - Special-purpose designs – antistatic and with special lubricants

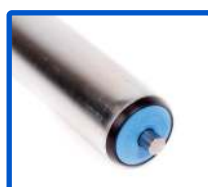






**Standard P330**



			
<b>RL-30</b>	Vactra 2	0-80 c°	160 daN





**P342**



			
<b>6002</b>	Ep-2	0-80 c°	160 daN

**Standard K320**



			
<b>RL-20</b>	Vactra 2	0-100 c°	160 daN

# Medium-duty roller P330



**GRAVITY**

**Type: Standard P330**

## ROLLER DESCRIPTION

**SERIES :** P - Plastic bearing system  
**CLASS :** 3 - Medium-duty roller  
**TYPE :** 30 - Steel, 30z – steel, with a plastic rounded-off edge

**USABILITY :**

- A lightweight cost-effective gravity roller
- With medium precision and also suitable for axial loads
- Suitable for medium loads

**APPLICATION :**

- In-house transport technology
- For gravity-type applications only

**CHARACTERISTICS :**

- Quiet and precise as well as smooth roller operation because of a special ball bearing and polypropylene base
- Standard and smoothly running gravity roller
- Enabled smoother lateral material passage due to a rounded-off roller edge (P330z)

### PIPE DESIGNS:

- Plastic tube
- Metal pipe
- Aluminium pipe

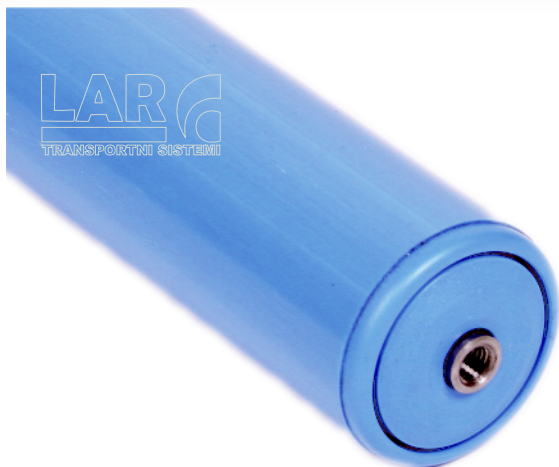
### AXIS DESIGNS :

- Even, spring
- Wrench socket
- Internal thread
- External thread
- a low BM 10 nut is added (DIN 439) for axis (fi10-BM10, fi12-BM12, fi14-BM14)

**MATERIAL :**

- Roller bearing : from thermoplastics with a single ball series and RL-30 bearing.
- Bearing housing : steel, hardened
- Internal ring : steel, hardened
- Bearing cage : plastic
- Seal : single labyrinth-type, plastic
- Bushing : plastic
- The balls are made :- from steel (P330)

LAR  
TRANSPORTNI SISTEMI

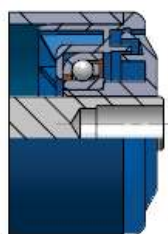


Type: **Standard P330**

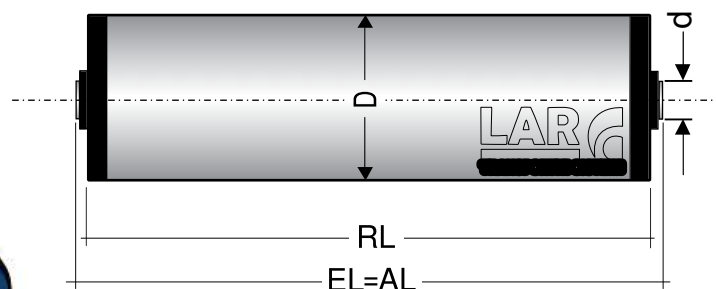


**RL-30** Vactra 2 **0-80 c°** **160 daN**

Max. roller speed : **0.5 m/s**



Option  
**P330z**

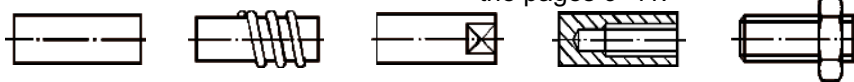


Pipe - D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN per roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
										<b>P330</b>	
50 x 1.5	10,12,14	●	●	○	●	●			●	160	0.5
50 x 2.8	10,12,14								●	160	0.5



- - design on request
- - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
50	10	RL=EL-	-5	-5	-7	-7	-17
		AL=EL+	20	20	20	0	30
50	12	RL=EL-	-5	-5	-7	-7	-19
		AL=EL+	20	20	20	0	30
50	14	RL=EL-	-5	-5	-7	-7	-21
		AL=EL+	20	20	20	0	40

Other versions on request.

Ordering example: PP50x2.8 A10 NN 10x15 EL=550

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# Medium-duty roller P342



Type:

GRAVITY

**P342**

## ROLLER DESCRIPTION

**SERIES :** P - Plastic bearing system  
**CLASS :** 3 - Medium-duty roller  
**TYPE :** 42 – steel, 42z – steel, with a plastic rounded-off edge

**USABILITY :**

- A cost-effective gravity roller
- Precise and suitable also for axial loads
- Suitable for medium loads

**APPLICATION :**

- In-house transport technology
- For gravity-type applications only

**CHARACTERISTICS :**

- Quiet, precise, and smooth roller operation because of the ball bearing and polypropylene base
- Smooth running and durable gravity roller
- Enabled smoother lateral material passage due to a rounded-off roller edge (P330z)

### PIPE DESIGNS:

- Plastic tube
- Metal pipe
- Aluminium pipe

### AXIS DESIGNS :

- Even, spring,
- Wrench socket
- Internal thread
- External thread
- a low BM 12 nut is added (DIN 439) for axis (fi12-BM12, fi14-BM14)

**MATERIAL :**

- Roller bearing : from thermoplastics with an installed standard 6002 groove bearing which is also available in 2RS or ZZ design.
- Seal : single labyrinth-type, plastic
- Bushing : plastic





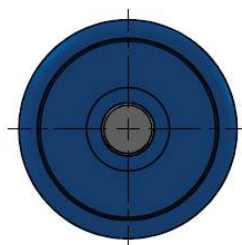
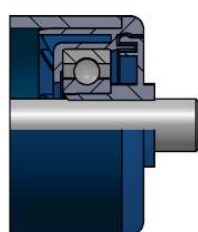


Type: **P342**

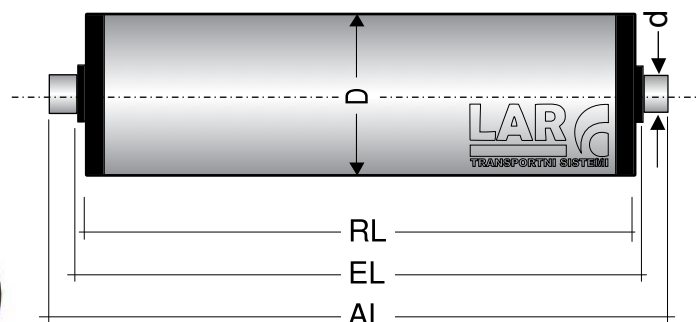


6002 Ep-2 0-80 °C 160 daN

Max. roller speed : 0.5 m/s



Option  
P342z

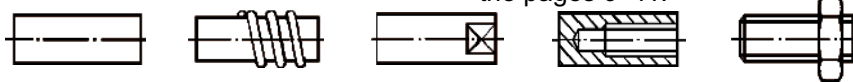


Pipe - D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN per roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
<b>P342</b>											
50 x 1.5	12,14	●	●	○	●	●		●	160	0.5	
50 x 2.0	12,14	●	●	○	●			●	160	0.5	
50X 2.8	12,14							●	160	0.5	
60 x 2.0	12,14	●	●	○	●	●		○	160	0.6	



○ - design on request  
● - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
50,60	12	RL=EL- AL=EL+	-5 20	-5 20	-7 20	-7 0	-19 30
50,60	14	RL=EL- AL=EL+	-5 20	-5 20	-7 20	-7 0	-21 40

Other versions on request.

Ordering example: PP342 50x2.8 A12 VZ EL=550

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# Medium-duty roller K320



**GRAVITY**

**Type: Standard K320**

## ROLLER DESCRIPTION

**SERIES :** K - Metal bearing system  
**CLASS :** 3 - Medium-duty roller  
**TYPE :** 20 - Steel

**USABILITY :**

- Suitable for medium-duty loads in positions where a low surface-sensitive roller is provided
- A cost-effective gravity roller
- Medium-duty precise and suitable also for axial loads

**APPLICATION :**

- In-house transport technology
- For gravity-type applications only

**CHARACTERISTICS :**

- Most universal metal roller
- Precise and smooth roller operation due to a special ball bearing
- Smoothly running, surface-resistant and durable gravity roller

## PIPE DESIGNS:

- Galvanised metal pipe
- Inox metal pipe
- Aluminium pipe

## AXIS DESIGNS :

- Even, spring
- Wrench socket
- Internal thread
- External thread
- a low BM 10 nut is added (DIN 439) for axis (fi8-BM8, fi10-BM10, fi12-BM12)

## MATERIAL :

- Roller bearing : made of galvanised steel sheet with a cone ball bearing RL-20.
- Bearing housing : steel, hardened
- Internal ring : steel, hardened, galvanised
- Bearing cage : plastic
- Seal :
- Bushing : plastic
- The balls are made : - from steel (K320)

LAR  
TRANSPORTNI SISTEMI

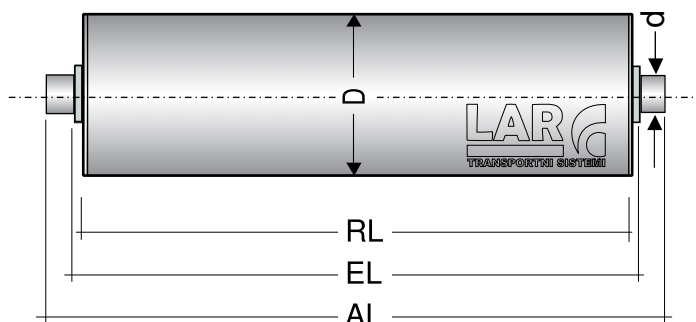
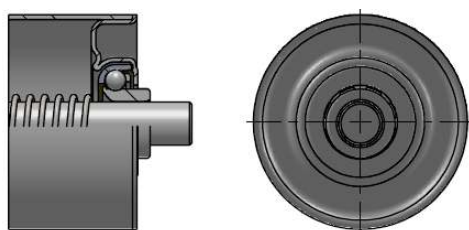


Type: **Standard K320**



RL-20 Vactra 2 0-100 c° 160 daN

Max. roller speed : 0.6 m/s

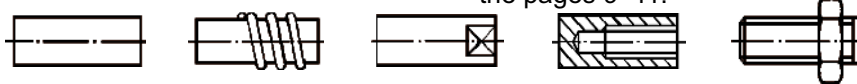


Pipe - D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN per roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
<b>K320</b>											
40 x 1.5	8,10,12	●	●	○	●	○		○	160	0.4	
50 x 1.5	8,10,12	●	●	○	●	○		○	160	0.5	
50 x 2.0	10,12	●	●	○	●				160	0.5	
60 x 2.0	10,12	●	●	○	●	○		○	160	0.6	



- - design on request
- - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
40,50	8	RL=EL-	-5	-5	-7	-7	-15
		AL=EL+	20	20	20	0	30
40,50,60	10	RL=EL-	-5	-5	-7	-7	-17
		AL=EL+	20	20	20	0	30
40,50,60	12	RL=EL-	-5	-5	-7	-7	-19
		AL=EL+	20	20	20	0	30

Other versions on request.

Ordering example: KK320 50x1.5 A10 VZ EL=550

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# Conveyor rollers 500

GRAVITY

HIGH GRAVITY capacity rollers – load capacity class

# 500

load up to 300daN per roller

Series: *plastic* – type P544

Series: *metal* – type K530, K540



## High capacity class 500:

Rollers and roller tracks of this load capacity class are suitable for conveying palletted, large-sized and heavyweight articles and products, since they provide maximum loads **of up to 300daN per roller**.

They are suitable for conveying medium-sized pallets and industrial products in various packaging, plastic, metal and wooden boxes intended for smaller and larger warehouses for the transport of products and semi-finished products of different sizes intended for all branches of industry, whose mass does not exceed 300kg per roller.

**Suitable rotation speed of the rollers up to 3.2m/s. and depend on the roller**

Usability :

- For heavy-duty gravity conveyor rollers
- Medium-duty precision and fitted with ball bearings
- Smooth functioning of the heavy-duty motor-driven conveyors
- Quiet operation
- Special-purpose designs – stainless, temperature-resistant and with special lubricants



**P544**



6204



Ep-2



0-80 c°



300 daN

**K530**



RL-30



EP-0



0-100 c°



240daN

**Standard K540**



6202



EP-2



0-80 c°



300daN

# High capacity roller P544



Type:

GRAVITY

P544

## ROLLER DESCRIPTION

**SERIES :** P - Plastic bearing system  
**CLASS :** 5 - High-duty load capacity roller  
**TYPE :** 44 - Steel, bearing 6204

**USABILITY :**

- Gravity roller for high loads
- Precise and suitable also for axial loads
- Suitable for driven and motor-driven systems

**APPLICATION :**

- In-house transport technology
- Suitable for gravity-type applications



**CHARACTERISTICS :**

- Quiet, precise, and smooth roller operation because of the ball bearing and polypropylene base
- Smoothly running and durable roller
- Surface-resistant gravity roller

### PIPE DESIGNS:

- Plastic tube
- Metal pipe
- Aluminium pipe

### AXIS DESIGNS :

- Even, spring
- Wrench socket
- Internal thread
- External thread

- a low BM 12 nut is added (DIN 439) for axis (fi12-BM12, fi20-BM20)

**MATERIAL :**

- Roller bearing : from thermoplastics with a built-in standard groove ball bearing 6204 that is available in 2RS and ZZ or Inox RSN designs.

- Seal : single labyrinth-type, plastic
- Bushing : plastic

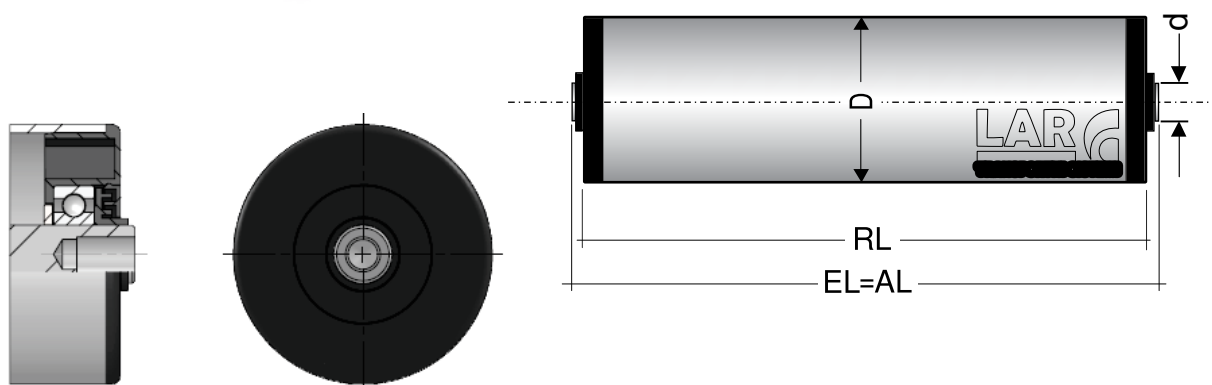


Type: **P544**



6204 Ep-2 0-80 c° 300 daN

Max. roller speed: 0.9m/s

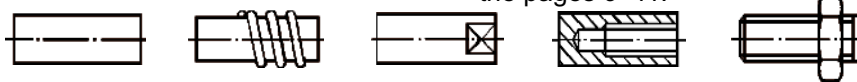


Pipe - D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN per roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
<b>P544</b>											
63.5 x 2.9	15	●	●	○					○	300	0.6
80 x 2.0	15	●	●	○	●	●			●	300	0.8
89 x 3.0	20	●	●	○	●	●			●	300	0.9



○ - design on request  
● - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
63.5, 80	15	RL=EL- AL=EL+	-5 20	-5 20	-8 20	-8 0	<b>ZZN16</b> -23 52
89	20	RL=EL- AL=EL+	-5 30	-5 30	-8 30	-8 0	-28 50

Other versions on request.

Ordering example: KP544 80x2.0 A15 NN 10x15 EL=750

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# High capacity roller K530

GRAVITY

**K530**



## ROLLER DESCRIPTION

**SERIES :** K - Metal system  
**CLASS :** 5 - High-duty load capacity roller  
**TYPE :** 30 - Steel, with a steel bushing

**USABILITY :**

- Suitable for high-duty loads in positions where a less surface sensitive roller is provided
- Effective gravity roller
- Precise and suitable also for axial loads

**APPLICATION :**

- In-house transport technology
- Suitable for gravity- and driven-type applications

LAR  
TRANSPORTNI SISTEMI

**CHARACTERISTICS :**

- Precise and smooth roller operation due to a special ball bearing
- Smoothly running, surface-resistant
- and durable gravity roller

### PIPE DESIGNS:

- Galvanised metal tube
- Inox metal pipe
- Aluminium pipe

### AXIS DESIGNS :

- Even, spring
- Wrench socket
- Internal thread
- External thread
- a low BM 10 nut is added (DIN 439) (fi10-BM10, fi12-Bm12)

**MATERIAL :**

- Roller bearing : from galvanised steel sheet with a cone ball bearing RL-30-2.
- Bearing housing : steel, hardened
- Internal ring : steel, hardened
- Bearing cage : plastic
- Seal :
- Bushing : steel (K530)
- The balls are made : - from steel (K530)



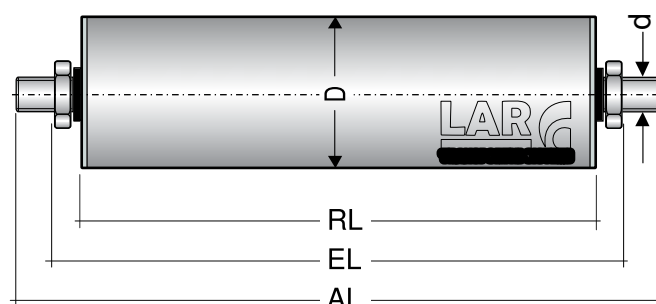
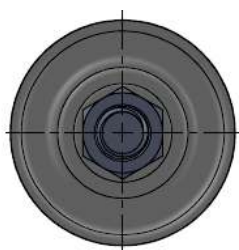
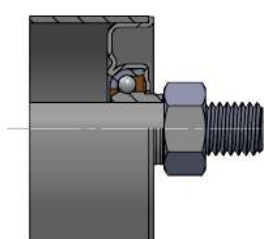


Type: **K530**



**RL-30 EP-0 0-100 ° 240<sub>daN</sub>**

Max. roller speed: 0.8m/s

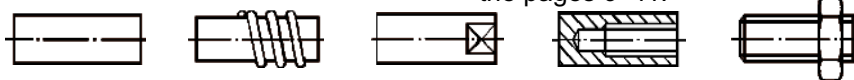


Pipe - D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN per roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
<b>K530</b>											
50 x 1.5	10,12	●	●	○	●	○		○		240	0.5
50 x 2.0	10,12	●	●	○	●	○		○		240	0.5
60 x 2.0	10,12	●	●	○	●					240	0.6
80 x 2.0	12	●	●	○	●	○		○		240	0.8



- - design on request
- - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
50,60 (K530)	10	RL=EL- AL=EL+	- 5 20	-5 20	-9 20	-9 0	-19 30
50,60,80 (K530)	12	RL=EL- AL=EL+	- 5 20	-5 20	-9 20	-9 0	-21 30

Other versions on request.

Ordering example: KK530 80x2.0 A12 ZN 12x15 EL=750

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# High capacity roller K540

GRAVITY

Type: **Standard K540**



## ROLLER DESCRIPTION

**SERIES :** K - Metal bearing system  
**CLASS :** 5 - High-duty load capacity roller  
**TYPE :** 40 - **Steel, bearing 6202 with a plastic bushing**

**USABILITY :**

- Suitable for high-duty loads in positions where a low surface-sensitive roller is provided
- A cost-effective gravity roller
- Precise and suitable also for axial loads

**APPLICATION :**

- In-house transport technology
- Useful for gravity- and driven-type applications

**CHARACTERISTICS :**

- Standard metal roller
- Precise and smooth roller operation due to a standard ball bearing
- Smoothly running, surface-resistant and durable gravity roller

### PIPE DESIGNS:

- Galvanised metal tube
- Inox metal pipe
- Aluminium pipe

### AXIS DESIGNS :

- Even, spring
- Wrench socket
- Internal thread
- External thread
- a low BM 12 nut is added (DIN 439) for axis (fi10-BM10, fi12-BM12, fi14-BM14)

**MATERIAL :**

- Roller bearing : from galvanised steel sheet with a built-in standard groove ball bearing 6202 that is available in 2RS or ZZ design.

- Seal :
- Bushing : plastic

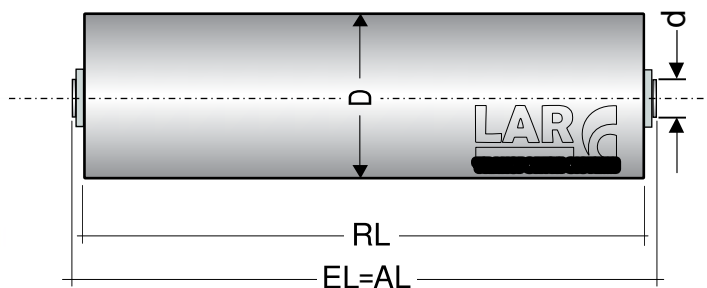
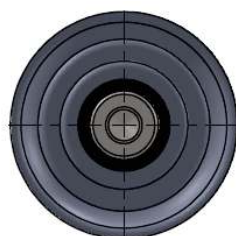
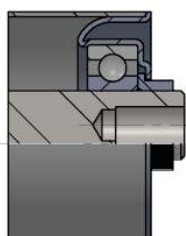


Type: **Standard K540**



6202 EP-2 0-80 °C 300 daN

Max. roller speed: 3.2m/s

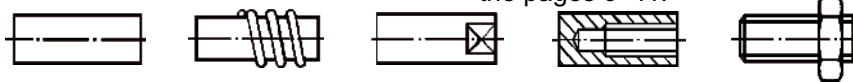


Pipe - D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN per roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
<b>K540</b>											
50 x 1.5	10,12,14,15, 6k11	●	●	○	●	○			●	240	2.0
50 x 2.0	10,12,14,15, 6k11	●	●	○	●					240	2.0
60 x 2.0	10,12,14,15, 6k11	●	●	○	●	○			○	300	2.3
80 x 2.0	12,14,15, 6k11	●	●	○	●	○			○	300	3.2



- - design on request
- - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
50,60	10	RL=EL-	-12	-12	-15	-15	-25
		AL=EL+	20	20	20	0	30
50,60,80	12	RL=EL-	-12	-12	-15	-15	-27
		AL=EL+	20	20	20	0	30
50,60,80	14	RL=EL-	-12	-12	-15	-15	-29
		AL=EL+	20	20	20	0	40
50,60,80	15	RL=EL-	-12	-12	-15	-15	
		AL=EL+	20	20	20	0	

Other versions on request.

Ordering example: KK540 80x2.0 A14 NN 12x10 EL=750

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# Conveyor rollers 700

GRAVITY

HEAVY-DUTY GRAVITY load capacity rollers – load capacity class

# 700

of load exceeding 300daN

Series: metal – type P740, K744, K747, 748var

per roller



## Heavy-duty class 700:

Rollers and roller tracks of this load capacity class are suitable for conveying most complex, heavyweight and large-sized articles and products, since they provide maximum loads **exceeding 300daN per roller**.

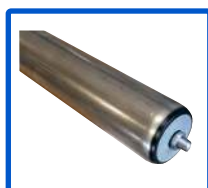
They are suitable for transporting pallets, metal boxes and the most heavy industrial products in various plastic and metal containers and wooden boxes. They are intended for conveying products for small and large industrial warehouses and dedicated warehouses of different sizes that are intended for all branches of industry where the mass exceeds 300kg per roller. **Suitable rotation speed of the rollers up to 3.5m/s**

Usability:

- For maximum heavy-duty gravity conveyor rollers
- Ball bearing rollers
- Smooth functioning of the heavy-duty motor-driven conveyors
- Special-purpose designs – stainless, temperature-resistant and with special lubricants



**P740**



6204



Ep-2



0-80 C°



300 daN

**Standard K744**



6204



EP-2



0-100 C°



500 daN

**K747**



6205



EP-2



0-100 C°



500 daN

**Welded K748**



6204



6305



EP-2



0-100 C°



500 daN

# Heavy-duty roller P740



**GRAVITY**

**Type:**

**P740**

## ROLLER DESCRIPTION

**SERIES :** P - Plastic bearing system  
**CLASS :** 5 - High-duty roller  
**TYPE :** 40 - Steel, bearing 6204

**USABILITY :**

- Gravity roller for high loads
- Precise and suitable also for axial loads
- Suitable for driven and motor-driven systems

**APPLICATION :**

- For outdoor and in-house conveyor technology
- Suitable for gravity-type applications



**CHARACTERISTICS :**

- Quiet, precise, and smooth roller operation because of the ball bearing and polypropylene base
- Smoothly running and durable roller
- Surface-resistant gravity roller

### PIPE DESIGNS:

- Plastic tube
- Inox metal pipe

### AXIS DESIGNS :

- Even
- Wrench socket
- Internal thread
- External thread
- a low BM 20 nut is added (DIN 439) for axis (fi20-BM20)

**MATERIAL :**

- Roller bearing : from thermoplastics with a built-in standard groove ball bearing 6204 that is available in 2RS and ZZ or Inox RSN design.
- Seal : single labyrinth-type, plastic
- Bushing : plastic

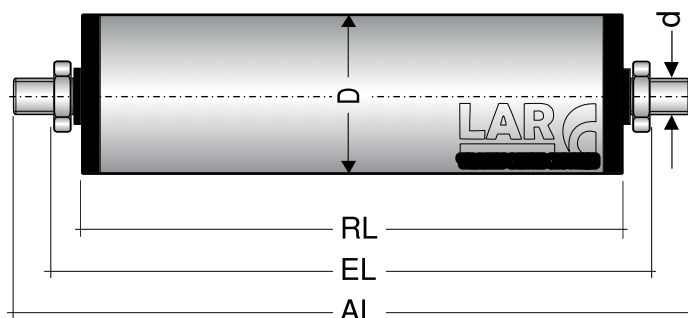
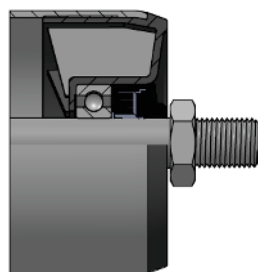


Type: **P740**



6204 Ep-2 0-80 c° 300 daN

Max. roller speed : 0.9 m/s

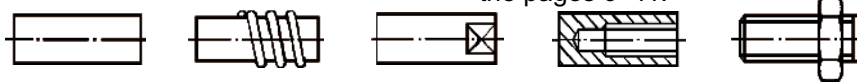


Pipe - D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN per roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
										<b>P740</b>	
89 x 3.0	20	○	○	○		●				300	0.9
90 x 7.0	20	○	○	○					●	300	0.9
108 x 3.0	20	○	○	○		●				300	1.1



○ - design on request  
● - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
89,90,108	20	RL=EL- AL=EL+	-0 30		-5 30	-5 0	-23 50

Other versions on request.

Ordering example: XP740 108x3.0 A20 ZN 10x25 EL=750

[www.conveyorrollers-lar.com](http://www.conveyorrollers-lar.com)

# Heavy-duty roller K744

GRAVITY

Type: **Standard K744**



## ROLLER DESCRIPTION

**SERIES :** K - Metal bearing system  
**CLASS :** 5 - High-duty roller  
**TYPE :** 44 - Steel, bearing 6204 with a plastic bushing

**USABILITY :**

- Suitable for maximum-duty loads in positions where a less surface sensitive roller is provided
- A cost-effective gravity roller
- Precise and suitable also for axial loads

**APPLICATION :**

- In-house transport technology
- Suitable for gravity- and driven-type applications

**CHARACTERISTICS :**

- Standard metal roller
- Precise and smooth roller operation due to a standard ball bearing
- Smoothly running, surface-resistant and durable gravity roller

### PIPE DESIGNS:

- Galvanised metal pipe
- Inox metal pipe
- Aluminium pipe

### AXIS DESIGNS :

- Even
- Wrench socket
- Internal thread
- External thread
- a low BM 20 nut is added (DIN 439) for axis (fi20-BM20)

**MATERIAL :**

- Roller bearing : from galvanised steel sheet with a built-in standard groove ball bearing 6204 that is available in 2RS or ZZ design.

- Seal :
- Bushing : plastic



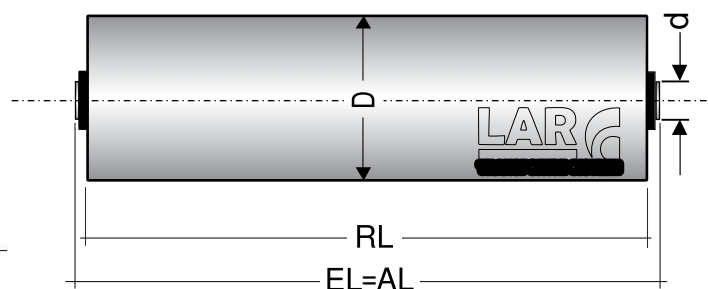
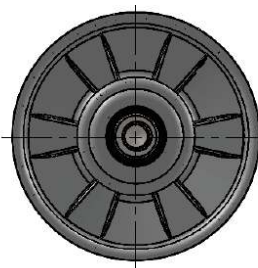
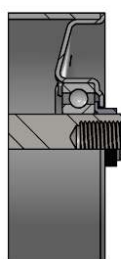


Type: **Standard K744**



6204 EP-2 0-100 °C 500<sub>daN</sub>

Max. roller speed : 4.2 m/s

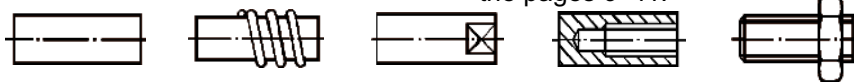


Pipe - D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN per roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
<b>K744</b>											
63.5 x 2.9	20	●	●	○	●	○		○	400	2.5	
80 x 2.0	17,20, 6k14	●	●	○	●	○			500	3.4	
89 x 3.0	17,20, 6k14	●	●	○	●	○			500	3.5	
108 x 3.25	17,20, 6k14	●	●	○		○			500	4.2	



- - design on request
- - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
80,89,108	17	RL=EL-	-10		-14	-14	
		AL=EL+	30		20	0	
80,89,108	20	RL=EL-	-10		-14	-14	-34
		AL=EL+	30		30	0	50
80,89,108	6k14	RL=EL-	-10				
		AL=EL+	20				
63.5x2.9	20	RL=EL-	-10		-14	-14	-34
		AL=EL+	30		30	0	50

Other versions on request.

Ordering example: KK744 89x3.0 A20 NN 12x18 EL=950

[www.conveyorrollers-lar.com](http://www.conveyorrollers-lar.com)

# Heavy-duty roller K747

GRAVITY

Type:

**K747**



## ROLLER DESCRIPTION

**SERIES :** K - Metal bearing system  
**CLASS :** 7 - High-duty roller  
**TYPE :** 47 - **Steel, bearing 6205 with a plastic bushing**

**USABILITY :**

- Suitable for maximum-duty loads in positions where a less surface sensitive roller is provided
- A cost-effective gravity roller
- Precise and suitable also for axial loads

**APPLICATION :**

- In-house transport technology
- Suitable for gravity- and driven-type applications

**CHARACTERISTICS :**

- Universal metal roller
- Precise and smooth roller operation due to a standard ball bearing
- Smoothly running, surface-resistant and durable gravity roller

## PIPE DESIGNS:

- Galvanised metal pipe
- Inox metal pipe
- Aluminium pipe

## AXIS DESIGNS :

- Even
- Wrench socket
- Internal thread
- External thread
- a low BM 20 nut is added (DIN 439) for axis (fi20-BM20)

**MATERIAL :**

- Roller bearing : from galvanised steel sheet with a built-in standard groove ball bearing 6205 that is available in 2RS or ZZ design.

- Seal :
- Bushing : plastic



Type: **K747**



6205



EP-2

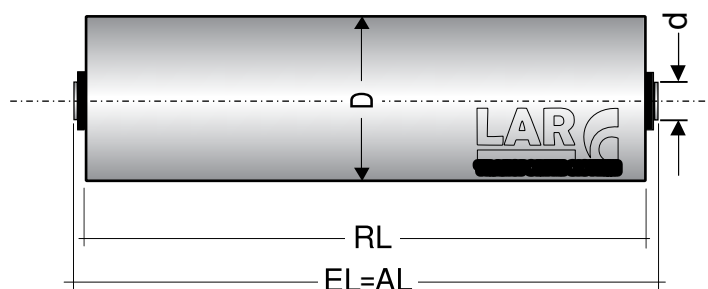
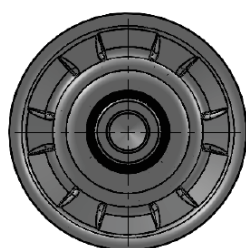
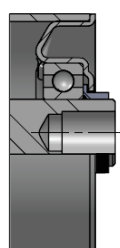


0-100 c°



500<sub>daN</sub>

Max. roller speed : 1.1 m/s

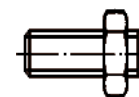
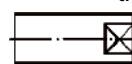
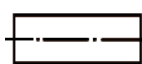


Pipe - D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN per roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
										<b>K747</b>	
89 x 3.0	25	●	●	○	●	○				500	0.9
108 x 3.25	25	●	●	○	○					500	1.1



- - design on request
- - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
89,108	25	RL=EL- AL=EL+	-10 30		-14 30	-14 0	

Other versions on request.

Ordering example: KK747 89x3.0 A25 NN 16x20 EL=950

[www.conveyorrollers-lar.com](http://www.conveyorrollers-lar.com)

# Heavy-duty roller K748var

GRAVITY

Type: **Welded K748var**



## ROLLER DESCRIPTION

**SERIES :** K - Metal bearing system  
**CLASS :** 7 - High-duty roller  
**TYPE :** 47 - Steel, bearing 6204 and 6305 with external seal

**USABILITY :**

- Suitable for extreme loads in positions where a less surface sensitive roller is provided
- A cost-effective gravity roller
- Precise and suitable also for axial loads

**APPLICATION :**

- For outdoor and in-house conveyor technology
- Suitable for gravity- and driven-type applications

**CHARACTERISTICS :**

- Welded metal roller
- Precise and smooth roller operation due to a standard ball bearing
- Smoothly running, surface-resistant and durable gravity roller, dust- and moisture-resistant

### PIPE DESIGNS:

- Galvanised metal pipe
- Inox metal pipe
- Aluminium pipe

### AXIS DESIGNS :

- Even
- Wrench socket
- Internal thread
- External thread
- a low BM 20 nut is added (DIN 439) for axis (fi20-BM20)

**MATERIAL :**

- Roller bearing : made of galvanised steel sheet with an installed standard groove ball bearing 6204, 6204 Inox (for axis with a 20mm fi) and bearing 6305 (for a 25mm fi) that are available in 2RS or ZZ .
- Seal : external single labyrinth-type

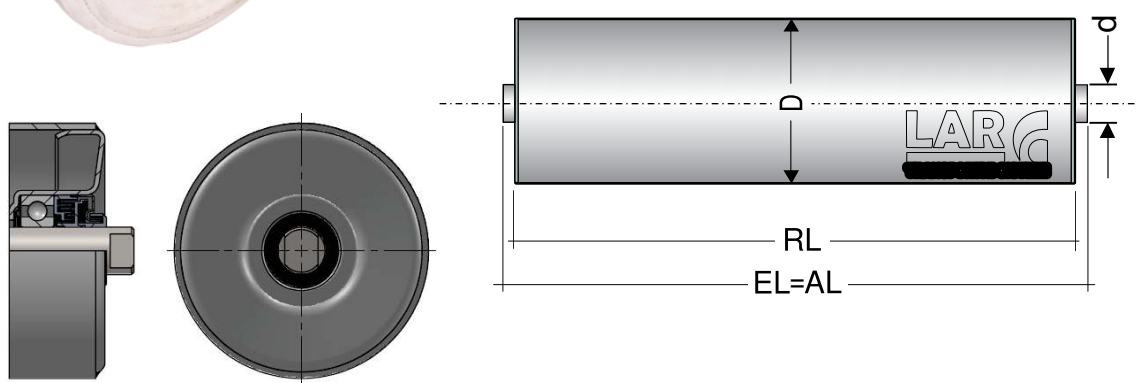


Type: **Welded K748var**



6204 6305 EP-2 0-100 c° 500daN

Max. roller speed : 1.6 m/s

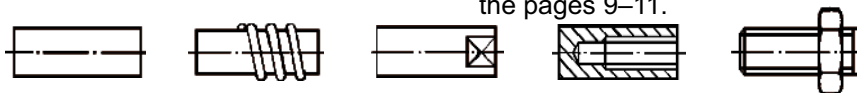


Pipe - D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN per roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
<b>K748</b>											
63.5 x 2.9	20	●	●	○	●	●				400	0.6
80 x 2.0	20	●	●	○	●					500	0.8
89 x 3.0	20,25	●	●	○	●	●				500	0.9
108 x 3.25	20,25	●	●	○		●				500	1.1
133 x 3.6	20,25	●	●	○						500	1.4
159 x 4.5	25	●	●	○						500	1.6



- - design on request
- - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
63.5,80,89, 108,133	20	RL=EL-	-10		-14	-14	-34
		AL=EL+	30		30	0	50
89,108,133, 159	25	RL=EL-	-10		-14	-14	
		AL=EL+	30		30	0	

Other versions on request.

Ordering example: KK748 89x3.0 A20 NN 12x18 EL=950

[www.conveyorrollers-lar.com](http://www.conveyorrollers-lar.com)



## LABELLING OF DRIVEN ROLLERS

Example: TIP KK554 G2V 60x2.0 6202 Z14 NP A15 NN8x15 EL=750

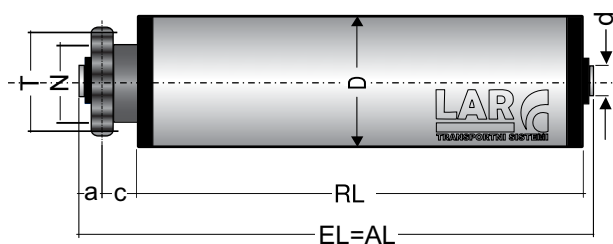
1
2
3
4
5
6
7
8
9
10
11

- ① **K** Pipe material – metal galvanised tube
- ② **K5** Metal bearing system – high capacity class
- ③ **54** Regular tooth system sprocket
- ④ **G2V** Driven double-sprocket roller
- ⑤ **60x2.0** External roller diameter (mm) x roller wall thickness (mm)
- ⑥ **6202** Bearing system or bearing type
- ⑦ **Z14** Sprocket Z=14 teeth
- ⑧ **NP** Continuous roller drive
- ⑨ **A14** Roller load bearing axis diameter (mm)
- ⑩ **NN 8x15** Roller axis design – internal thread
- ⑪ **EL=750** Roller installation length (mm)



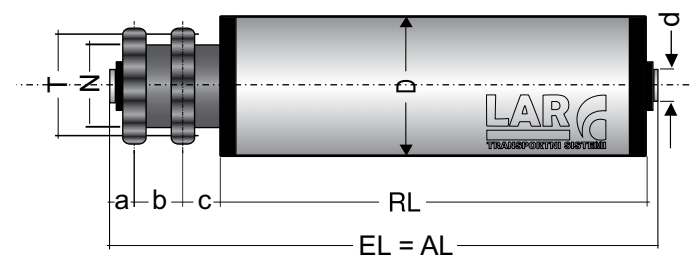
## DRIVEN SPROCKET ROLLER DESIGNS AN DIMENSIONS

G1V - driven single-sprocket roller




a=12 mm, c=15 mm, N=30 mm  
sprocket 1/2"x5/16", T=45.076 mm,

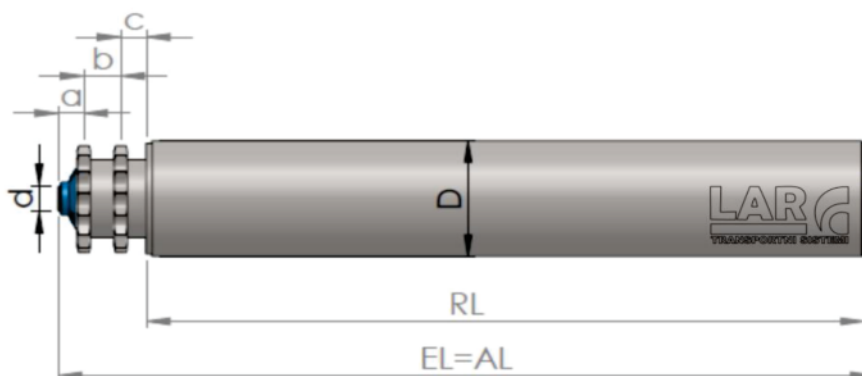
G2V - driven double-sprocket roller



a=16 mm, b= 22 mm, c=18.5 mm, N=42.0 mm  
sprocket 1/2"x5/16", T=53.10 mm,

# Roller ordering form

<b>Information – roller</b>				
Company:				
Contact:				
Phone:				
Order:		Deadline:		
Date:		Quantity:		
CONVEYOR ROLLER – DRIVEN			DMA :	
			ID _____	
			PRICE :	



ROLLER TYPE				
J metal	K galvanised metal	P plastic (pvc)	X, Al stainless (Inox, Aluminium )	O lining with lining
DIMENSIONS				
✖ roller D = roller diameter	D			mm
✖ roller RL = roller operational width	RL			mm
✖ roller EL = installation dimension	EL			mm
✖ roller AL = axis length	AL			mm
✖ d = axis diameter	d			mm
✖ roller OB = roller load capacity	OB			DaN
TYPE OF DRIVEN ELEMENT				
SINGLE SPROCKET	DOUBLE SPROCKET	TIMING BELT WHEEL	POLY-V BELT WHEEL	
METHOD OF AXIS CLAMPING		OTHER SPECIAL-PURPOSE DESIGNS AND REQUIREMENTS (DESCRIPTION:)		
ZN - external thread	NN - internal thread			
M____ x ____ mm	M____ x ____ mm			
<b>CODE:</b>		<b>NAME:</b>		



## DRIVEN - (GV)

**LIGHT-DUTY rollers – load capacity class**

# 150



( up to 50daN per roller )

Series: metal – type K150

**MEDIUM-DUTY rollers – load capacity class**

# 350



(up to 160daN per roller)

Series: plastic – type P351, P354

Series: metal – type K351

**HIGH-DUTY rollers – load capacity class**

# 550



(up to 300daN per roller)

Series: metal – type K554, K557

**HEAVY-DUTY rollers – load capacity class**

# 750



(exceeding 300daN per roller)

Series: metal – type K753, K755, K758

## ADDITIONAL VARIANTS

- MADE OF STAINLESS STEEL AND ALUMINIUM
- SPECIAL ROLLER SURFACE MACHINING – CRIMPING
- WITH GUIDE PLATES
- ANTISTATIC VARIANTS
- PAINTING, RUBBER LINING, FILLING, ETC.
- HIGH TEMPERATURE-RESISTANT ROLLERS WITH SPECIAL LUBRICANTS
- LININGS AGAINST DAMAGE, SLIPPING, HIGH TEMPERATURE -RESISTANT
- WE PROVIDE ROLLERS FOR MINES AND EX ZONES WHICH FULFILL THE OPERATING CONDITIONS ACCORDING TO THE ATEX DIRECTIVE IN ZONE I M2 AND II M2.







K150 G1V Z10



K150 G2V Z10



P351 G1V Z11



K351 G1V Z11



P354 G2V Z14



K554 G1V Z14



K554 G2V Z14



K557 G2V Z17



K753 G1V Z13



K753 G2V Z13



K755 G1V Z15



K755 G2V Z15



K758 G1V Z18



K758 G2V Z18



TRANSPORTNI SISTEMI

# Driven sprocket roller

GNANI

LIGHT-DUTY rollers – load capacity class of

# 150

loads, up to 50daN per roller

Series: metal – type K150

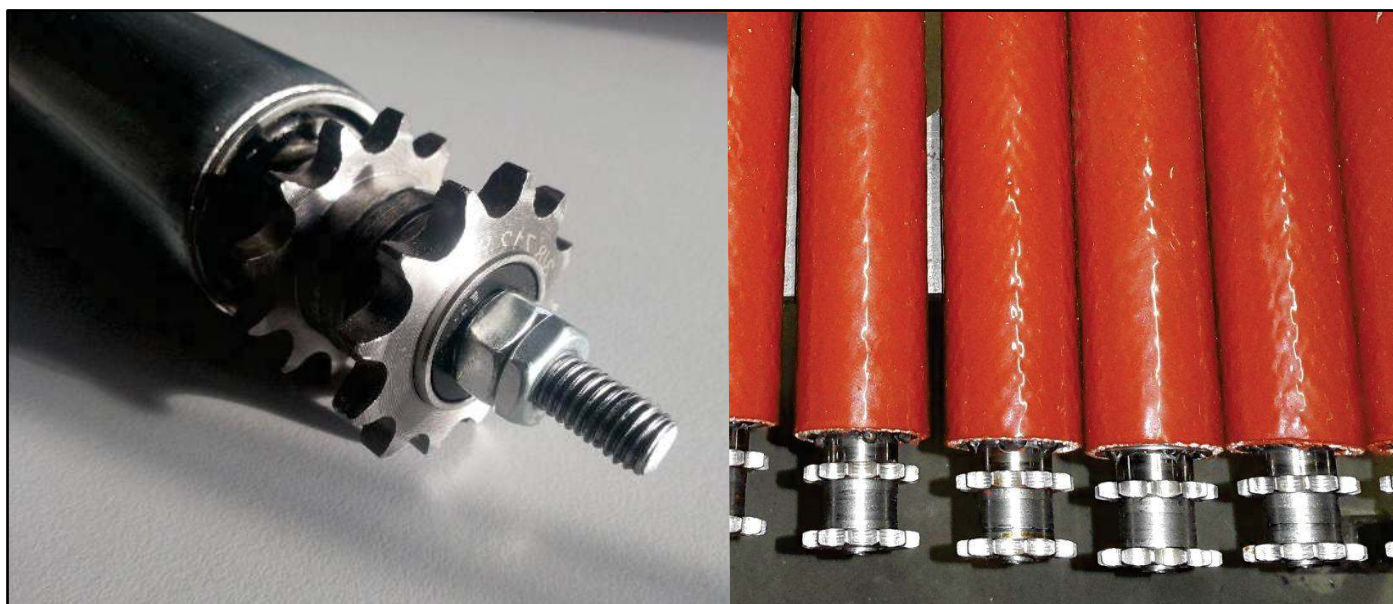


## Light-duty class 150

Rollers and roller tracks of this load capacity class are suitable for conveying lighter and smaller articles and products, since they provide **maximum loads of up to 50daN per roller.**

They are suitable for conveying paper or cardboard packaging, smaller packages and containers, plastic packaging products for pharmacies, pharmaceutical and food industries, for conveying lighter aluminium, copper, metal and electronic products, etc. whose mass does not exceed 50kg. **Suitable rotation speed of the rollers up to 0.5m/s.**

- Uporabnost :
- For light-duty driven conveyor rollers
  - Precision rollers are also suitable for smaller axial loads
  - Smooth functioning of the motor-driven conveyors
  - Special-purpose variants – antistatic
    - with special lubricants



**K150 G1V Z10**



Z 10



608



0-80 c°



50 daN

**K150 G2V Z10**



Z 10



608



0-80 c°



50 daN

# Driven sprocket roller K150



**DRIVEN 3/8"x7/32"**

**Type: K150 G1V Z10**  
(continuous roller drive) - **NP**  
(discontinuous drive mechanism) - **PP**  
(welded) - **Var**

## ROLLER DESCRIPTION

**SERIES :** K - Metal bearing system  
**CLASS :** 1 - Light-duty roller  
**TYPE :** 50 - With regular tooth system  
**DESIGN:** G1V - Driven single sprocket roller  
**SPROCKET :** Z10 - **10 sprocket teeth, division 3/8"x7/32"**  
**DRIVE :** NP - **Close-fitting and welded continuous drive**  
PP - **Discontinuous drive mechanism (for friction driving)**

**USABILITY :** - Suitable for lightweight loads  
- Low surface-sensitive roller  
- With precision bearings and also suitable for smaller axial loads

**APPLICATION :** - In-house transport technology  
- Design suitable also for Stop&go technology

**CHARACTERISTICS :** - Precise and smooth operation of driven rollers  
- It ensures stable guidance for all roller drive transmission designs  
- Lightweight and smooth running driven roller  
- Resistant metal sprocket

## PIPE DESIGNS :

- Galvanised metal pipe
- Inox metal pipe
- Aluminium pipe
- Plastic tube

## AXIS DESIGNS :

- Internal thread
- External thread
- A low BM 8 nut is added (DIN 439) for axis (fi8-BM8, fi10-BM10)

**MATERIAL:** - Sprocket : made of steel, **3/8"x7/32" Z 10**, with built-in groove ball bearing **608** that is available in 2RS or ZZ design.

- Seal :  
- Bushing : plastic  
- Slide ring : plastic (for discontinuous drive mechanism PP)

**CHAIN :** - Type 06B-1 single-row (DIN 8187)



Type: **K150 G1V Z10**



Z 10



608

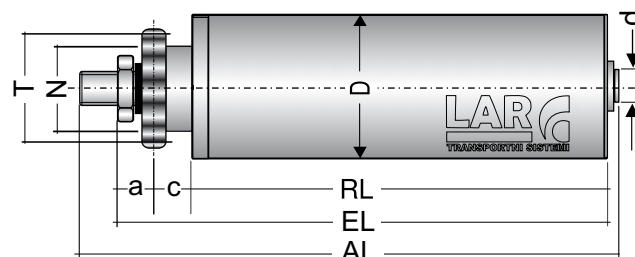
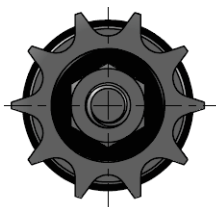
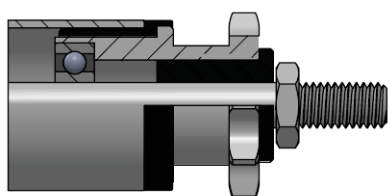


0-80 c°



50 daN

Max. roller speed: 0.4m/s



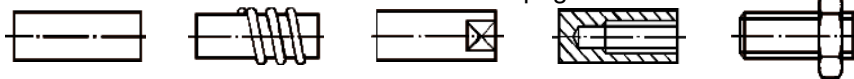
a=12 mm, c=12,5 mm, N=21 mm  
sprocket 3/8"x7/32", T=30.82 mm,

Pipe D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN by roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
										<b>K150</b>	
30 x 1.5	8,10	●	●	○	●	○	●	●		50	0.3
40 x 1.5	8,10	●	●	○	●	○	●			50	0.4



- - design on request
- - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
30,40,	8	RL=EL- AL=EL+				-30 0	-38 30
30,40	10	RL=EL- AL=EL+				-30 0	-40 30

Other versions on request.

Ordering example: KK150 G1V 30x1.5 608 Z10 NP A8 ZN 8x15 EL=350

# Driven sprocket roller K150



**DRIVEN 3/8"x7/32"**

**Type:**            **K150 G2V Z10**  
 (continuous drive)            - NP  
 (discontinuous drive)            - PP  
 (welded)            - Var

## ROLLER DESCRIPTION

**SERIES :**    K    - Metal bearing system  
**CLASS :**     1    - Light-duty roller  
**TYPE :**      50   - With regular tooth system  
**DESIGN:**    G2V - Double-sprocket driven  
**SPROCKET :** Z10 - **10 sprocket teeth, division 3/8"x7/32"**  
**DRIVE :**     NP - **Close-fitting and welded continuous drive**  
                  PP - **Discontinuous drive (for friction driving)**

**USABILITY :**    - Suitable for lightweight loads  
                      - Low surface-sensitive roller  
                      - With precision bearings and also suitable for smaller axial loads

**APPLICATION :**    - In-house transport technology  
                          - Design suitable also for Stop&go technology

**CHARACTERISTICS :**    - Precise and smooth operation of driven rollers  
                                  - It ensures stable guidance for all roller drive transmission designs  
                                  - Lightweight and smooth running driven roller  
                                  - Resistant metal sprocket

## PIPE DESIGNS :

- Galvanised metal pipe
- Inox metal pipe
- Aluminium pipe
- Plastic tube

## AXIS DESIGNS :

- Internal thread
- External thread    – A low BM 8 nut is added (DIN 439) for axis (fi8-BM8, fi10-BM10)

**MATERIAL:**        - Sprocket :            from steel, **3/8"x7/32" Z 10**, with built-in groove ball bearing **608** that is available in 2RS or ZZ design.

- Seal :
- Bushing :            plastic
- Slide ring :         plastic (for discontinuous drive mechanism PP)

**CHAIN :**            - Type 06B-1            single-row (DIN 8187)



Type: **K150 G2V Z10**



Z 10



608

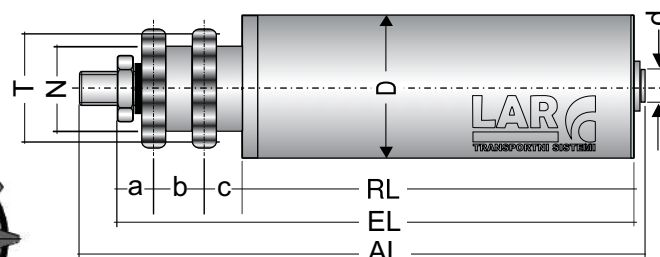
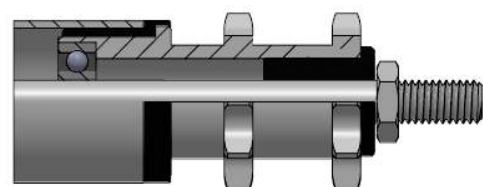


0-80 c°



50 daN

Max. roller speed: 0.4m/s



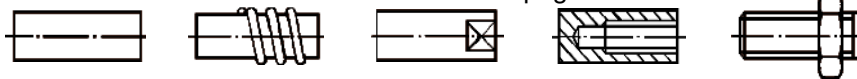
a=12 mm, b=20 mm, c=12,5 mm, N=21 mm  
sprocket 3/8"x7/32", T=30.82 mm,

Pipe D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN by roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
<b>K150</b>											
30 x 1.5	8,10	●	●	○	●	○	●	●	50	0.3	
40 x 1.5	8,10	●	●	○	●	○	●	●	50	0.4	



○ - design on request  
● - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
30,40,	8	RL=EL- AL=EL+				-50 0	-58 30
30,40	10	RL=EL- AL=EL+				-50 0	-60 30

Other versions on request.

Ordering example: KK150 G2V 30x1.5 608 Z10 NP A8 ZN 8x15 EL=350

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# Driven sprocket roller

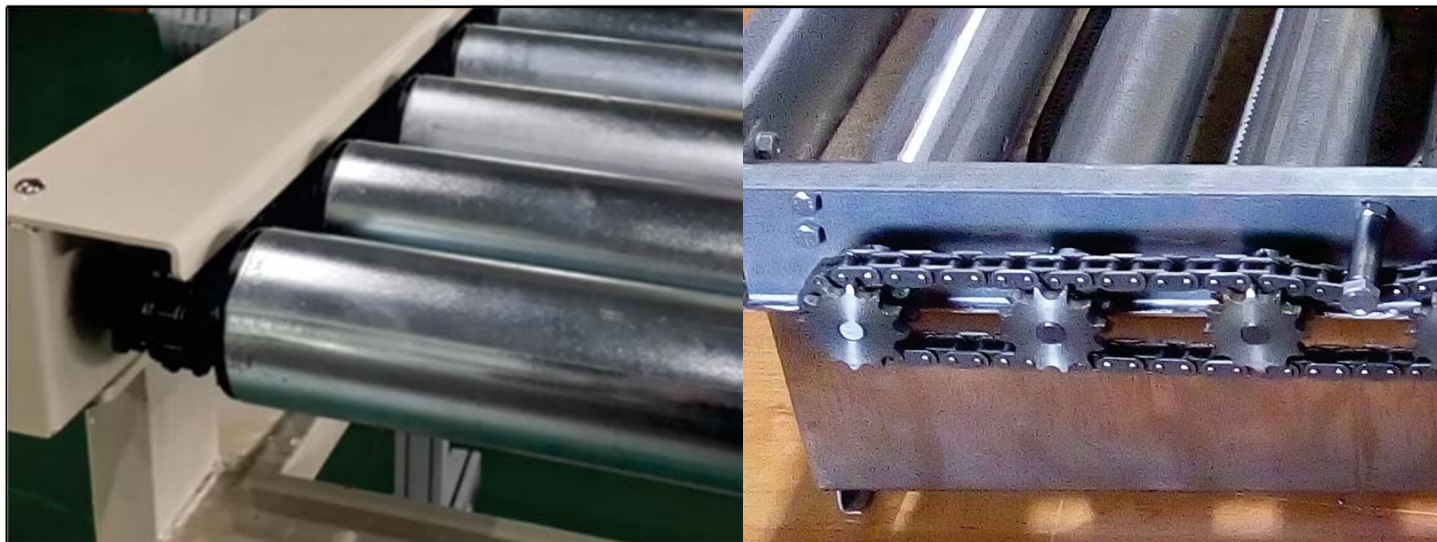
*MEDIUM-DUTY rollers – load capacity class of*

**350** up to 160daN per roller

DRIVEN

Series: *plastic – type* P351, P354

Series: *metal – type* K351



## Medium-duty class 350

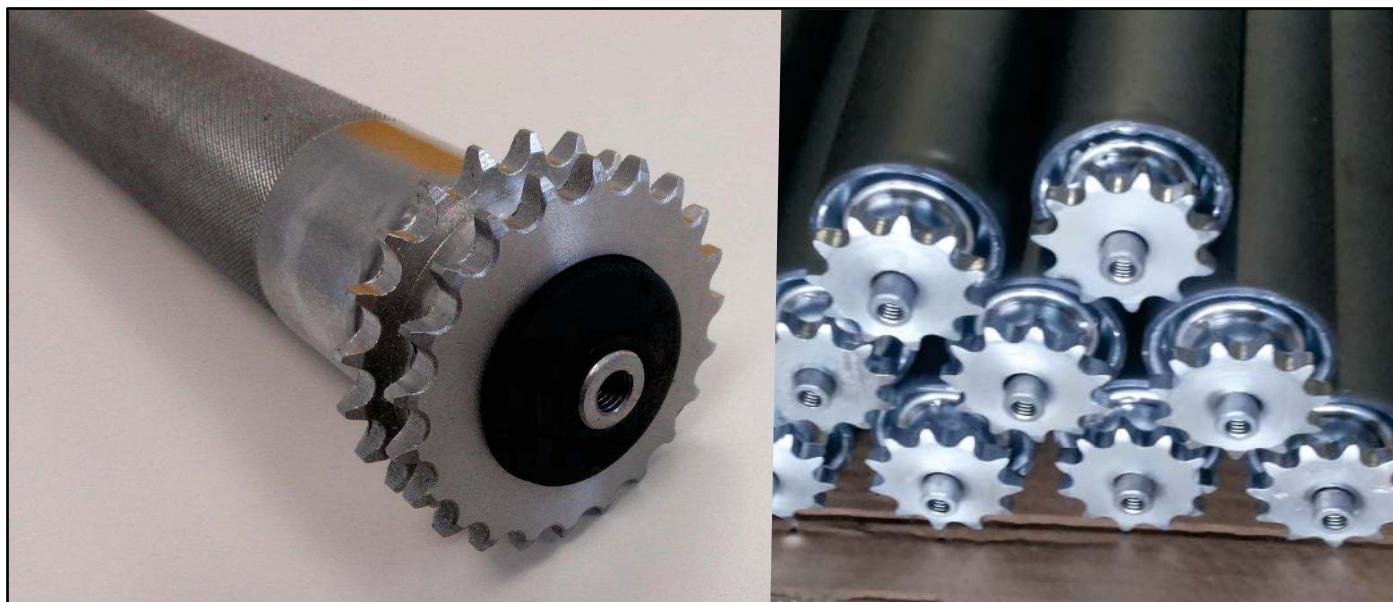
Rollers and roller tracks of this load capacity class are suitable for conveying medium weight and medium-sized articles and products, since they provide **maximum loads of up to 160daN per roller**.

They are suitable for conveying packaged consumer goods. Designed for all types of production from metal, chemical, glass, paper processing, electrical industry etc., for conveying medium weight packages of wood, metal, paper and plastic, etc. whose mass does not exceed 160kg per rollers. **Suitable rotation speeds of rollers of this category total up to 0.5m/s.**

Usability:

- For medium-duty driven conveyor rollers
- With medium precision and also suitable for axial loads
- Smooth functioning of the motor-driven conveyors
- Quiet operation
- Special-purpose designs – antistatic and with special lubricants
- Guide ring design





**P351 G1V Z11**



Z 11



6202



EP-2



0-80 c°



160 daN

**K351 G1V Z11**



Z 11



6202



EP-2



0-80 c°



160 daN

**P354 G2V Z14**



Z 14



6202



EP-2



0-80 c°



160 daN

# Driven sprocket roller P351



DRIVEN 1/2"x5/16"

**Type:** P351 G1V Z11  
(continuous drive) - NP  
(discontinuous drive) - PP

## ROLLER DESCRIPTION

**SERIES :** P - Plastic bearing system  
**CLASS :** 3 - Medium-duty roller  
**TYPE :** 50 - With regular tooth system  
**DESIGN:** G1V - Driven single-sprocket roller  
**SPROCKET :** Z11 - **11 sprocket teeth, division 1/2"x5/16"**  
**DRIVE :** NP - **Close-fitting continuous drive or**  
PP - **Discontinuous drive** (for friction driving)

**USABILITY :** - Suitable for medium loads  
- Low surface-sensitive roller  
- With precision bearings and also suitable for smaller axial loads

**APPLICATION :** - In-house transport technology  
- Suitable for Stop&go technology

**CHARACTERISTICS :**

- Quiet roller operation
- Precise and smooth operation of driven rollers
- It ensures stable guidance for all roller drive transmission designs
- Lightweight and smooth running driven roller

## PIPE DESIGNS :

- Galvanised metal pipe
- Inox metal pipe
- Aluminium pipe
- Plastic tube

## AXIS DESIGNS :

- Internal thread
- External thread
- a low BM 12 nut is added (DIN 439) for axis (fi12-BM12)

**MATERIAL:** - Sprocket : made of thermoplastics, 1/2"x5/16" Z 11, with built-in groove ball bearing 6202 that is available in 2RS or ZZ design.

- Seal :  
- Bushing : plastic  
- Slide ring : plastic (for discontinuous drive)

**CHAIN :** - Type 08B-1 single-row (DIN 8187)



Type: **P351 G1V Z11**



Z 11



6202



EP-2

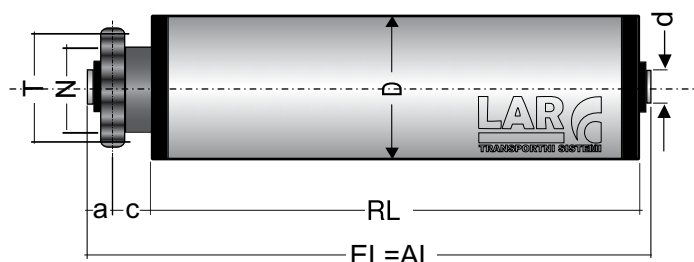
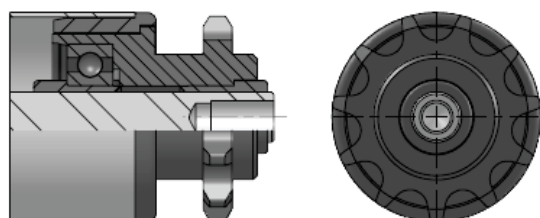


0-80 °C



160 daN

Max. roller speed: 0.5m/s



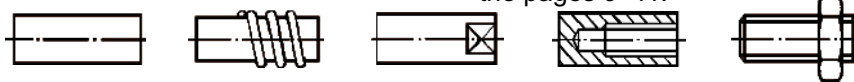
a=13,5 mm, c=15 mm, N=30 mm  
sprocket 1/2"x5/16", T=45.076 mm,

Pipe D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN by roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
										<b>P351</b>	
50 x 1.5	12	●	●	○	●	○			●	160	0.5
50 x 2.0	12	●	●	○	●					160	0.5
50 x 2.8	12								●	160	0.5



- - design on request
- - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
50	12	RL=EL- AL=EL+				-34 0	-46 30

Other versions on request.

Ordering example: KP351 G1V 50x1.5 6202 Z11 PP A12 NN 8x15 EL=550

# Driven sprocket roller K351



DRIVEN 1/2"x5/16"

Type: **K351 G1V Z11**  
(Welded) - **Var**

## ROLLER DESCRIPTION

**SERIES :** K - Metal bearing system  
**CLASS :** 3 - Medium-duty roller  
**TYPE :** 50 - With regular tooth system  
**DESIGN:** G1V - Driven single-sprocket roller  
**SPROCKET :** Z11 - **11 sprocket teeth, division 1/2"x5/16"**  
**DRIVE :** NP - **Continuous drive – welded**

**USABILITY :**

- Suitable for medium loads
- Low surface-sensitive roller
- With precision bearings and also suitable for smaller axial loads

**APPLICATION :**

- In-house transport technology
- Not suitable for Stop&go technology



## CHARACTERISTICS :

- Durable metal sprocket
- Precise and smooth operation of driven rollers
- It ensures stable guidance for continuous roller drive
- Lightweight and smooth running driven roller

## PIPE DESIGNS :

- Galvanised metal pipe
- Inox metal pipe

## AXIS DESIGNS :

- Internal thread
- External thread
- a low BM 12 nut is added (DIN 439) for axis (fi12-BM12)

## MATERIAL:

- Sprocket : made of steel, **1/2"x5/16" Z 11**, with built-in standard groove ball bearing **6202** that is available in 2RS or ZZ design.

- Seal :  
- Bushing : plastic

## CHAIN :

- Type 08B-1 single-row (DIN 8187)



Type: **K351 G1V Z11**



Z 11



6202



EP-2

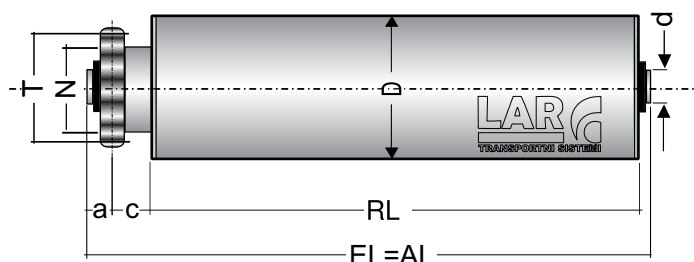
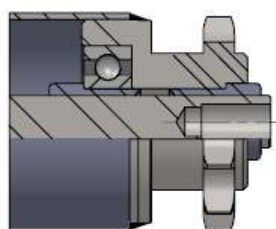


0-80 c°



160 daN

Max. roller speed: 0.5m/s



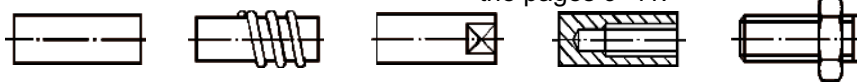
a=12 mm, c=15,5 mm, N=31,5 mm  
sprocket 1/2"x5/16", T=45.076 mm,

Pipe D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN by roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
										<b>K351</b>	
50 x 1.5	12	●	●	○	●	○				160	0.5
50 x 2.0	12	●	●	○	●					160	0.5



- - design on request
- - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
50	12	RL=EL- AL=EL+				-37 0	-49 30

Other versions on request.

Ordering example: KK351 G1V 50x1.5 6202 Z11var A12 NN 8x15 EL=550

# Driven sprocket roller P354



**DRIVEN 1/2"x5/16"**

**Type:** **P354 G2V Z14**  
(continuous drive) **- NP**  
(discontinuous drive) **- PP**

## ROLLER DESCRIPTION

**SERIES :** P - Plastic bearing system  
**CLASS :** 3 - Medium-duty roller  
**TYPE :** 50 - With regular tooth system  
**DESIGN:** G2V - Double-sprocket driven  
**SPROCKET :** Z14 - **14 sprocket teeth, division 1/2"x5/16"**  
**DRIVE :** NP - **Close-fitting continuous drive or**  
 PP - **Discontinuous drive (for friction driving)**

**USABILITY :** - Suitable for medium loads  
 - Lightweight and cost-effective driven roller  
 - With precision bearings and also suitable for smaller axial loads

**APPLICATION :** - In-house transport technology  
 - Suitable for Stop&go technology

**CHARACTERISTICS :**

- Quiet roller operation
- Precise and smooth operation of driven rollers
- It ensures stable guidance for all roller drive transmission designs
- Smooth running driven roller

## PIPE DESIGNS :

- Galvanised metal pipe
- Inox metal pipe
- Aluminium pipe
- Plastic tube

## AXIS DESIGNS :

- Internal thread
- External thread
- a low BM 12 nut is added (DIN 439) for axis (fi12-BM12)

**MATERIAL:** - Sprocket : from thermoplastics, 1/2"x5/16" Z 14, with built-in groove ball bearing 6202 that is available in 2RS or ZZ design.

- Seal :
- Bushing : plastic
- Slide ring : plastic (for discontinuous drive mechanism)

**CHAIN :** - Type 08B-1 single-row (DIN 8187)

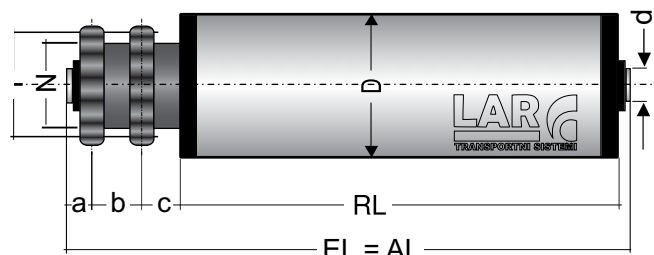
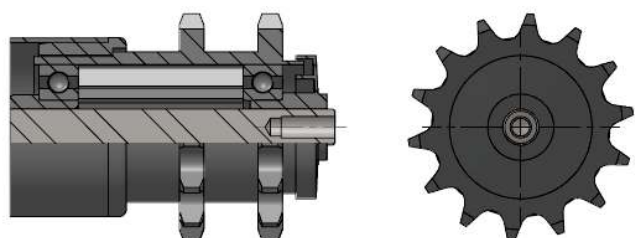


Type: **P354 G2V Z14**



Z 14    6202    EP-2    0-80 c°    160 daN

Max. roller speed: 0.5m/s



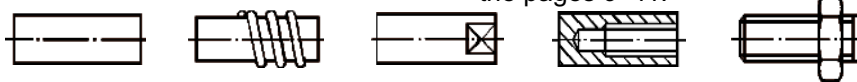
a=18 mm, b= 22 mm, c=18 mm, N=42,0 mm sprocket 1/2"x5/16", T=57.07 mm,

Pipe D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN by roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
										<b>P354</b>	
50 x 1.5	12	●	●	○	●	○			●	160	0.5
50 x 2.0	12	●	●	○	●					160	0.5
50 x 2.8	12								●	160	0.5



○ - design on request  
● - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
50	12	RL=EL- AL=EL+				-63 0	-75 30

Other versions on request.

Ordering example: KP354 G2V 50x1.5 6202 Z14 PP A12 NN 8x15 EL=550

# Driven sprocket roller

*HIGH-DUTY capacity rollers – load capacity class of*

# 550

*up to 300daN per roller*

**DRIVEN**

Series: *metal – type* K554, K557



## High capacity class 550

Rollers and roller tracks of this load capacity class are suitable for conveying palleted, large-sized and heavyweight articles and products, since they provide **maximum loads of up to 300daN per roller**.

They are suitable for conveying medium-sized pallets and industrial products in various packaging, plastic, metal and wooden boxes intended for smaller and larger warehouses for the transport of products and semi-finished products of different sizes intended for all branches of industry, whose mass does not exceed 300kg per roller. **Suitable rotation speed of the rollers up to 2.3m/s.** and depend on the roller load capacity.

Usability :

- For heavy-duty driven conveyor rollers
- Medium-duty precision and fitted with ball bearings
- Smooth functioning of the heavy-duty motor-driven conveyors
- Special-purpose designs – stainless, temperature-resistant and with special lubricants





**K554 G1V Z14**



Z 14



6202



EP-2



0-80 c°



300 daN

**K554 G2V Z14**



Z 14



6202



EP-2



0-80 c°



300 daN

**K557 G2V Z17**



Z 17



6202



EP-2



0-80 c°



300 daN

# Driven sprocket roller K554



DRIVEN 1/2"x5/16"

Type: **K554 G1V Z14**  
(Welded) - Var

## ROLLER DESCRIPTION

**SERIES :** K - Metal bearing system  
**CLASS :** 5 - High-duty roller  
**TYPE :** 50 - With regular tooth system  
**DESIGN:** G1V - Driven single-sprocket roller  
**SPROCKET :** Z14 - **14 sprocket teeth, division 1/2"x5/16"**  
**DRIVE :** NP - **Continuous drive – welded**

**USABILITY :**

- Suitable for high loads
- Low surface-sensitive roller
- With precision bearings and also suitable for axial loads

**APPLICATION :**

- In-house transport technology
- Not suitable for Stop&go technology

## CHARACTERISTICS :

- Durable metal sprocket
- Precise and smooth operation of driven rollers
- It ensures stable guidance for continuous roller drive
- Smooth running, surface-resistant and durable roller

## PIPE DESIGNS :

- Galvanised metal pipe
- Inox metal pipe

## AXIS DESIGNS :

- Internal thread
- External thread
- a low BM 12 nut is added (DIN 439) for axis (fi10-BM10, fi12-BM12, fi14-BM14)

**MATERIAL:**

- Sprocket : made of steel, **1/2"x5/16" Z 14**, with built-in standard groove ball bearing **6202** that is available in 2RS or ZZ design.

- Seal : simple, plastic
- Bushing : plastic

**CHAIN :**

- Type 08B-1 single-row (DIN 8187)



Type: **K554 G1V Z14**



Z 14



6202



EP-2

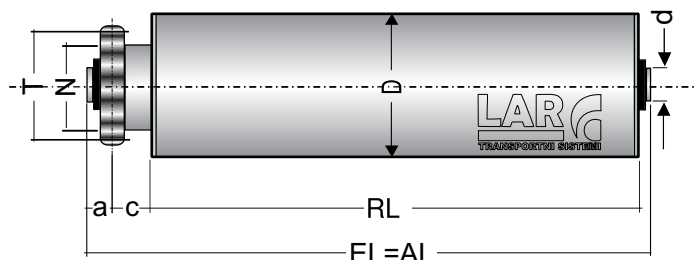
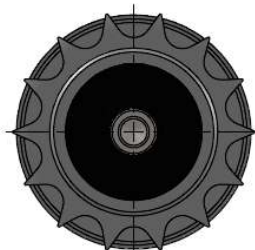
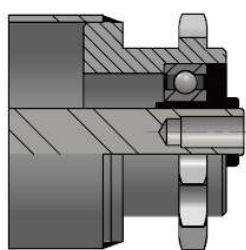


0-80 c°



300 daN

Max. roller speed: 2.3m/s



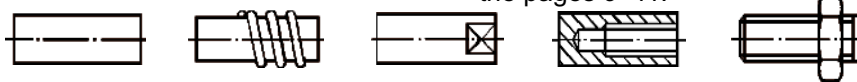
a=13 mm, c=18 mm, N=43 mm  
sprocket 1/2"x5/16", T=57.07 mm,

Pipe D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN by roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
<b>K554</b>											
50 x 1.5	10,12,14,15	●	●	○	●	○				300	2.0
50 x 2.0	10,12,14,15	●	●	○	●					300	2.0
60 x 2.0	12,14,15	●	●	○	●	○				300	2.3



○ - design on request  
● - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
50	10	RL=EL- AL=EL+				-41 0	-51 30
50,60	12	RL=EL- AL=EL+				-41 0	-53 30
50,60	14	RL=EL- AL=EL+				-41 0	-55 40
50.60	15	RL=EL- AL=EL+				-41 0	

Other versions on request.

Ordering example: KK554 G1V 60x2.0 6202 Z14var NP A12 NN 8x15 EL=750

# Driven sprocket roller K554



DRIVEN 1/2"x5/16"

Type: **K554 G2V Z14**  
(Welded) - Var

## ROLLER DESCRIPTION

SERIES :	K	-	Metal bearing system
CLASS :	5	-	High-duty roller
TYPE :	50	-	With regular tooth system
DESIGN:	G2V	-	Double-sprocket driven
SPROCKET :	Z14	-	<b>14 sprocket teeth, division 1/2"x5/16"</b>
DRIVE :	NP	-	<b>Continuous drive – welded</b>

USABILITY :  
- Suitable for high loads  
- Low surface-sensitive roller  
- With precision bearings and also suitable for axial loads

APPLICATION :  
- In-house transport technology  
- Not suitable for Stop&go technology

## CHARACTERISTICS :

- Durable metal sprocket
- Precise and smooth operation of driven rollers
- It ensures stable guidance for continuous roller drive
- Smooth running, surface-resistant and durable roller

## PIPE DESIGNS :

- Galvanised metal pipe
- Inox metal pipe

## AXIS DESIGNS :

- Internal thread
- External thread
- a low BM 12 nut is added (DIN 439) for axis (fi10-BM10, fi12-BM12, fi14-BM14)

## MATERIAL:

- Sprocket : made of steel, **1/2"x5/16" Z 14**, with built-in standard groove ball bearing **6202** that is available in 2RS or ZZ design.

- Seal : simple, plastic  
- Bushing : plastic

## CHAIN :

- Type 08B-1 single-row (DIN 8187)



Type: **K554 G2V Z14**



Z 14



6202



EP-2

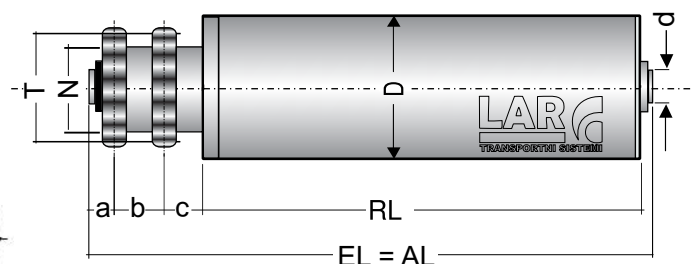
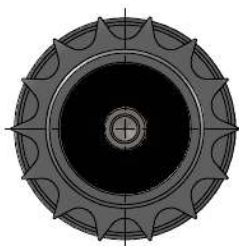
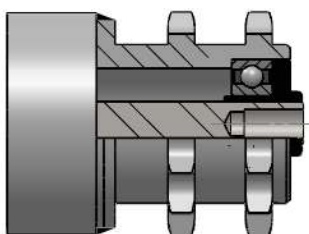


0-80 °C



300 daN

Max. roller speed: 2.3m/s



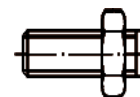
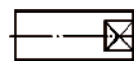
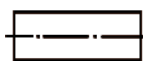
a=9 mm, b=21 mm, c=18 mm, N=43 mm  
sprocket 1/2"x5/16", T=57.07 mm,

Pipe D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN by roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
<b>K554</b>											
50 x 1.5	10,12,14,15	●	●	○	●	○			○	300	2.0
50 x 2.0	10,12,14,15	●	●	○	●					300	2.0
60 x 2.0	12,14,15	●	●	○	●	○			○	300	2.3



○ - design on request  
● - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
50	10	RL=EL- AL=EL+				-58 0	-68 30
50,60	12	RL=EL- AL=EL+				-58 0	-70 30
50,60	14	RL=EL- AL=EL+				-58 0	-72 40
50,60	15	RL=EL- AL=EL+				-58 0	

Other versions on request.

Ordering example: KK554 G2V 60x2.0 6202 Z14var NP A12 NN 8x15 EL=750

[www.conveyorrollers-lar.com](http://www.conveyorrollers-lar.com)

# Driven sprocket roller K557



DRIVEN 1/2"x5/16"

Type: **K557 G2V Z17**  
(Welded) - **Var**

## ROLLER DESCRIPTION

**SERIES :** K - Metal bearing system  
**CLASS :** 5 - High-duty roller  
**TYPE :** 50 - With regular tooth system  
**DESIGN:** G2V - Double-sprocket driven  
**SPROCKET :** Z17 - **17 sprocket teeth, division 1/2"x5/16"**  
**DRIVE :** NP - **Continuous drive – welded**

**USABILITY :**

- Suitable for high loads
- Low surface-sensitive roller
- With precision bearings and also suitable for axial loads

**APPLICATION :**

- In-house transport technology
- Not suitable for Stop&go technology



## CHARACTERISTICS :

- Durable metal sprocket
- Precise and smooth operation of driven rollers
- It ensures stable guidance for continuous roller drive
- Smooth running, surface-resistant and durable roller

## PIPE DESIGNS :

- Galvanised metal pipe
- Inox metal pipe

## AXIS DESIGNS :

- Internal thread
- External thread
- a low BM 20 nut is added (DIN 439) for axis (fi20-BM20)

**MATERIAL:**

- Sprocket : made of steel, **1/2"x5/16" Z 17**, with built-in standard groove ball bearing **6204** that is available in 2RS or ZZ design.

- Seal : external single labyrinth-type
- Bushing :

**CHAIN :**

- Type 08B-1 single-row (DIN 8187)

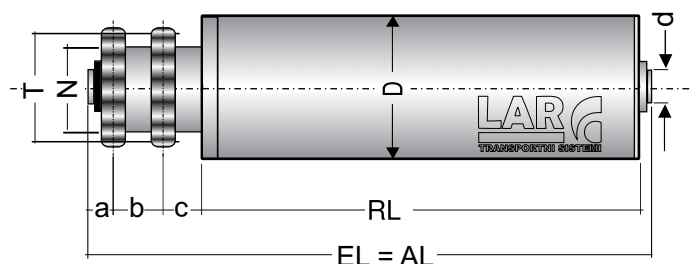
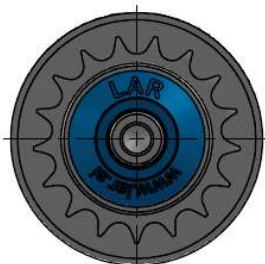
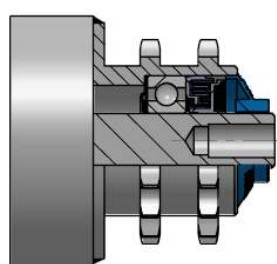


Type: **K557 G2V Z17**



Z 17    6204    EP-2    0- 80 c°

Max. roller speed: 0.9m



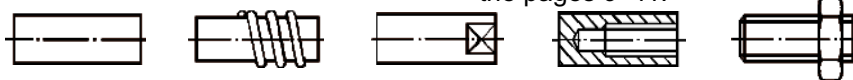
a=9 mm, b=21 mm, c=16,5 mm, N=54 mm  
sprocket 1/2"x5/16", T=69.11 mm,

Pipe D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN by roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
<b>K557</b>											
80 x 2.0	17,20	●	●	○	●	○				300	0.8
89 x 3.0	17,20	●	●	○	●	○				300	0.9



○ - design on request  
● - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
80,89	17	RL=EL- AL=EL+				-56 0	
80,89	20	RL=EL- AL=EL+				-56 0	-76 50

Other versions on request.

Ordering example: KK557 G2V 89x3.0 6204 Z17var NP A20 NN 10x15 EL=750

*HEAVY-DUTY rollers – load capacity class*

# 750

*exceeding 300daN per roller*

**GNANI**

Series: *metal - type* KK753, KK755, KK758



## Heavy-duty class 750

Rollers and roller tracks of this load capacity class are suitable for conveying heavyweight and large-sized articles and products, since they provide maximum loads **exceeding 300daN per roller**.

They are suitable for transporting pallets, metal boxes and the most heavy industrial products in various plastic and metal containers and wooden boxes. They are intended for conveying products for small and large industrial warehouses and dedicated warehouses of different sizes that are intended for all branches of industry where the weight of products exceeds 300kg per roller. **Suitable rotation speed of the rollers up to 0.9m/s.**

- Uporabnost :
- For maximum heavy-duty driven conveyor rollers
  - Ball bearing rollers
  - Smooth functioning of the heavy-duty motor-driven conveyors
  - Special-purpose designs – stainless, temperature-resistant and with special lubricants





**K753 G1V Z13**

**K753 G2V Z13**



Z 13



6204



EP-2



0-80 c°



500 daN

**K755 G1V Z15**

**K755 G2V Z15**



Z 15



6204



EP-2



0-80 c°



500 daN

**K758 G1V Z18**

**K758 G2V Z18**



Z 18



6204



EP-2



0-80 c°



500 daN

# Driven sprocket roller K753



DRIVEN 5/8"x3/8"

Type: **K753 G1V Z13**  
(welded) - Var

## ROLLER DESCRIPTION

**SERIES :** K - Metal bearing system  
**CLASS :** 5 - Heavy-duty roller  
**TYPE :** 50 - With regular tooth system  
**DESIGN:** G1V - Driven single-sprocket roller  
**SPROCKET :** Z13 - **13 sprocket teeth, division 5/8"x3/8"**  
**DRIVE :** NP - **Continuous drive – welded**

**USABILITY :**

- Suitable for maximum loads
- Low surface-sensitive roller
- With precision bearings and also suitable for axial loads

**APPLICATION :**

- In-house transport technology
- Not suitable for Stop&go technology

## CHARACTERISTICS :

- Durable metal sprocket
- Precise and smooth operation of driven rollers
- It ensures stable guidance for continuous roller drive
- Smooth running, surface-resistant and durable roller

## PIPE DESIGNS :

- Galvanised metal pipe
- Inox metal pipe

## AXIS DESIGNS :

- Internal thread
- External thread
- a low BM 20 nut is added (DIN 439) for axis (fi20- BM20)

**MATERIAL:**

- Sprocket : made of steel, 5/8"x3/8" Z 13, with built-in standard groove ball bearing 6204 that is available in 2RS or ZZ design.

- Seal : simple, plastic
- Bushing : plastic

**CHAIN :**

- Type 10B-1 single-row (DIN 8187)



Type: **K753 G1V Z13**



Z 13



6204



EP-2

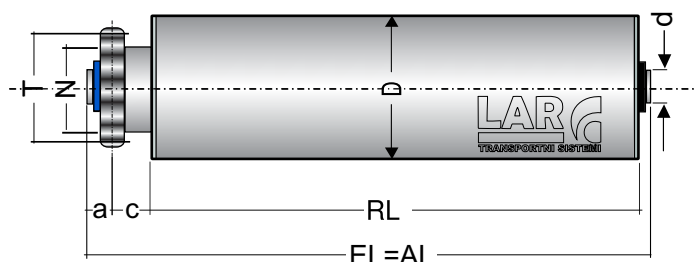
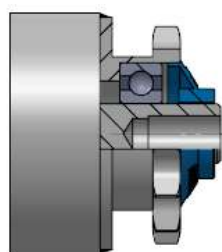


0-80 c°



500 daN

Max. roller speed: 0.9m/s



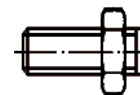
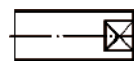
a=18 mm, c=18 mm, N=51 mm  
sprocket 5/8"x3/8", T=66.32 mm

Pipe D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN by roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
										<b>K753</b>	
80 x 2.0	17,20	●	●	○	●	○				500	0.8
89 x 3.0	17,20	●	●	○	●	○				500	0.9



○ - design on request  
● - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
80,89	17	RL=EL- AL=EL+				-45 0	
80,89	20	RL=EL- AL=EL+				-45 0	-65 50

Other versions on request.

Ordering example: KK753 G1V 80x2.0 6204 Z13var NP A20 NN 10x15 EL=950

# Driven sprocket roller K753



DRIVEN 5/8"x3/8"

Type:  
(Welded)

**K753 G2V Z13**  
**- Var**

## ROLLER DESCRIPTION

**SERIES :** K - Metal bearing system  
**CLASS :** 7 - Heavy-duty roller  
**TYPE :** 50 - With regular tooth system  
**DESIGN:** G2V - Double-sprocket driven  
**SPROCKET :** Z13 - **13 sprocket teeth, division 5/8"x3/8"**  
**DRIVE :** NP - **Continuous drive – welded**

**USABILITY :**

- Suitable for maximum loads
- Low surface-sensitive roller
- With precision bearings and also suitable for axial loads

**APPLICATION :**

- In-house transport technology
- Not suitable for Stop&go technology



## CHARACTERISTICS :

- Durable metal sprocket
- Precise and smooth operation of driven rollers
- It ensures stable guidance for continuous roller drive
- Smooth running, surface-resistant and durable roller

## PIPE DESIGNS :

- Galvanised metal pipe
- Inox metal pipe

## AXIS DESIGNS :

- Internal thread
- External thread
- a low BM 20 nut is added (DIN 439) for axis (fi20- BM20)

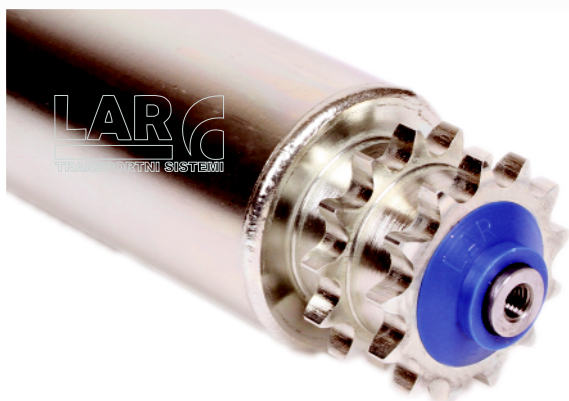
**MATERIAL:**

- Sprocket : made of steel, 5/8"x3/8" Z 13, with built-in standard groove ball bearing 6204 that is available in 2RS or ZZ design.

- Seal : simple, plastic
- Bushing : plastic

**CHAIN :**

- Type 10B-1 single-row (DIN 8187)



Type: **K753 G2V Z13**



Z 13



6204



EP-2

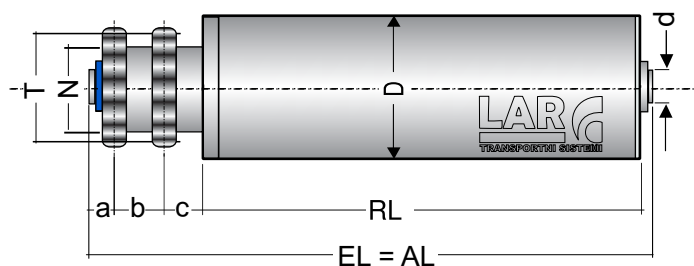
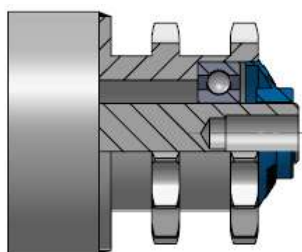


0-80 C°



500 daN

Max. roller speed: 0.9m/s



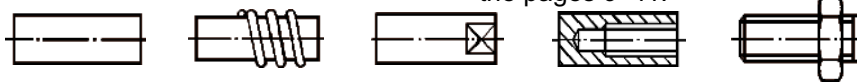
a=18 mm, b=26 mm, c=18 mm, N=51 mm  
sprocket 5/8"x3/8", T=66.32 mm

Pipe D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN by roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
										<b>K753</b>	
80 x 2.0	17,20	●	●	○	●	○				500	0.8
89 x 3.0	17,20	●	●	○	●	○				500	0.9



- - design on request
- - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
80,89	17	RL=EL- AL=EL+				-71 0	
80,89	20	RL=EL- AL=EL+				-71 0	-91 50

Other versions on request.

Ordering example: KK753 G2V 80x2.0 6204 Z13var NP A20 NN 10x15 EL=950

# Driven sprocket roller K755



DRIVEN 5/8"×3/8"

Type: **K755 G1V Z15**  
(welded) - Var

## ROLLER DESCRIPTION

**SERIES :** K - Metal bearing system  
**CLASS :** 7 - Heavy-duty roller  
**TYPE :** 50 - With regular tooth system  
**DESIGN:** G1V - Driven single-sprocket roller  
**SPROCKET :** Z15 - **15 sprocket teeth, division 5/8"×3/8"**  
**DRIVE :** NP - **Continuous drive – welded**

**USABILITY :**

- Suitable for maximum loads
- Low surface-sensitive roller
- With precision bearings and also suitable for axial loads

**APPLICATION :**

- In-house transport technology
- Not suitable for Stop&go technology

## CHARACTERISTICS :

- Durable metal sprocket
- Precise and smooth operation of driven rollers
- It ensures stable guidance for continuous roller drive
- Smooth running, surface-resistant and durable roller

## PIPE DESIGNS :

- Galvanised metal pipe
- Inox metal pipe

## AXIS DESIGNS :

- Internal thread
- External thread
- a low BM 20 nut is added (DIN 439) for axis (fi20- BM20)

**MATERIAL:**

- Sprocket : made of steel, **5/8"×3/8" Z 15**, with built-in standard groove ball bearing **6204** that is available in 2RS or ZZ design.

- Seal : simple, plastic
- Bushing : plastic

**CHAIN :**

- Type 10B-1 single-row (DIN 8187)



Type: **K755 G1V Z15**



Z 15



6204



EP-2

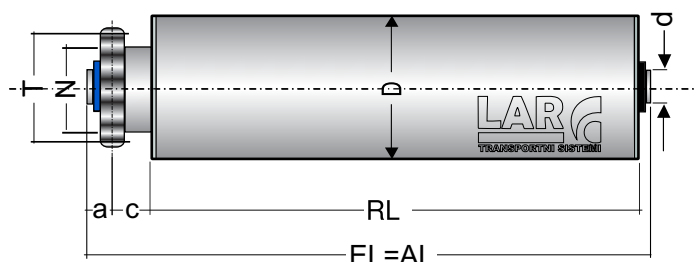
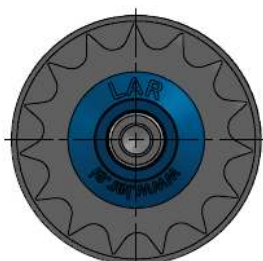
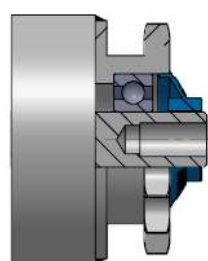


0-80 °C



500 daN

Max. roller speed: 0.9m/s



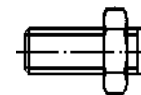
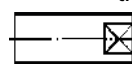
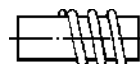
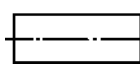
a=18 mm, c=18 mm, N=60 mm  
sprocket 5/8"x3/8", T=76.36 mm,

Pipe D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN by roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
										<b>K755</b>	
80 x 2.0	17,20	●	●	○	●	○				500	0.8
89 x 3.0	17,20	●	●	○	●	○				500	0.9



- - design on request
- - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
80,89	17	RL=EL- AL=EL+				-45 0	
80,89	20	RL=EL- AL=EL+				-45 0	-65 50

Other versions on request.

Ordering example: KK755 G1V 80x2.0 6204 Z15var NP A20 NN 10x15 EL=950

# Driven sprocket roller K755



DRIVEN 5/8"x3/8"

Type: **K755 G2V Z15**  
(Welded) - Var

## ROLLER DESCRIPTION

SERIES :	K	-	Metal bearing system
CLASS :	7	-	Heavy-duty roller
TYPE :	50	-	With regular tooth system
DESIGN:	G2V	-	Double-sprocket driven
SPROCKET :	Z15	-	<b>15 sprocket teeth, division 5/8"x3/8"</b>
DRIVE :	NP	-	<b>Continuous drive – welded</b>

**USABILITY :**

- Suitable for maximum loads
- Low surface-sensitive roller
- With precision bearings and also suitable for axial loads

**APPLICATION :**

- In-house transport technology
- Not suitable for Stop&go technology

## CHARACTERISTICS :

- Durable metal sprocket
- Precise and smooth operation of driven rollers
- It ensures stable guidance for continuous roller drive
- Smooth running, surface-resistant and durable roller

## PIPE DESIGNS :

- Galvanised metal pipe
- Inox metal pipe

## AXIS DESIGNS :

- Internal thread
- External thread
- a low BM 20 nut is added (DIN 439) for axis (fi20- BM20)

## MATERIAL:

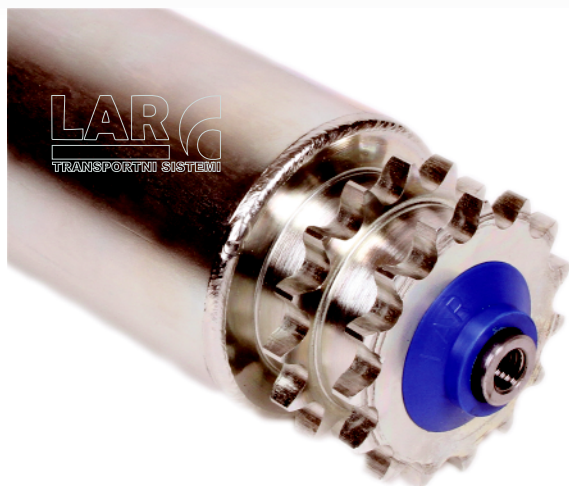
- Sprocket : from steel, **5/8"x3/8" Z 15**, with built-in standard groove ball bearing **6204** that is available in 2RS or ZZ design.
- Seal : simple, plastic
- Bushing : plastic

## CHAIN :

- Type 10B-1 single-row (DIN 8187)







Type: **K755 G2V Z15**



Z 15



6204



EP-2

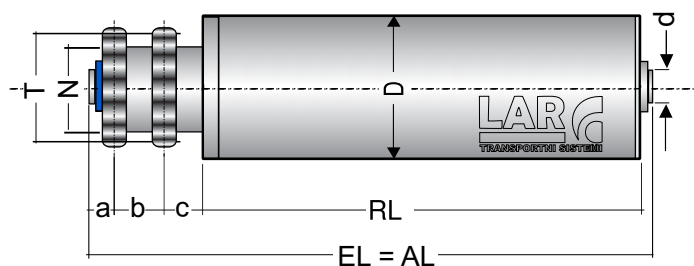
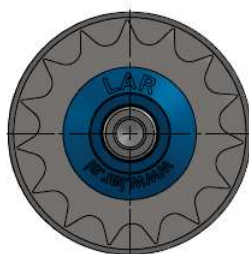
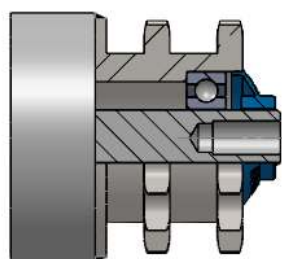


0-80 c°



500 daN

Max. roller speed: 0.9m/s



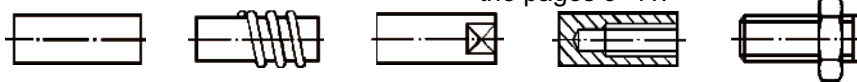
a=18 mm, b=26 mm, c=18 mm, N=60 mm sprocket 5/8"x3/8", T=76.36 mm,

Pipe D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN by roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
										<b>K755</b>	
80 x 2.0	17,20	●	●	○	●	○				500	0.8
89 x 3.0	17,20	●	●	○	●	○				500	0.9



- - design on request
- - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
80,89	17	RL=EL- AL=EL+				-71 0	
80,89	20	RL=EL- AL=EL+				-71 0	-91 50

Other versions on request.

Ordering example: KK755 G2V 80x2.0 6204 Z15var NP A20 NN 10x15 EL=950

# Driven sprocket roller K758



DRIVEN 5/8"x3/8"

Type: **K758 G1V Z18**  
(Welded) - Var

## ROLLER DESCRIPTION

**SERIES :** K - Metal bearing system  
**CLASS :** 7 - Heavy-duty roller  
**TYPE :** 50 - With regular tooth system  
**DESIGN:** G1V - Driven single-sprocket roller  
**SPROCKET :** Z18 - **18 sprocket teeth, division 5/8"x3/8"**  
**DRIVE :** NP - **Continuous drive – welded**

**USABILITY :**

- Suitable for maximum loads
- Low surface-sensitive roller
- With precision bearings and also suitable for axial loads

**APPLICATION :**

- In-house transport technology
- Not suitable for Stop&go technology

## CHARACTERISTICS :

- Durable metal sprocket
- Precise and smooth operation of driven rollers
- It ensures stable guidance for continuous roller drive
- Smooth running, surface-resistant and durable roller

## PIPE DESIGNS :

- Galvanised metal pipe
- Inox metal pipe

## AXIS DESIGNS :

- Internal thread
- External thread
- a low BM 20 nut is added (DIN 439) for axis (fi20- BM20)

## MATERIAL:

- Sprocket : from steel, **5/8"x3/8" Z 18**, with a built-in standard-groove ball bearing **6204** that is available in 2RS or ZZ design.
- Seal : simple, plastic
- Bushing : plastic

## CHAIN :

- Type 10B-1 single-row (DIN 8187)



Type: **K758 G1V Z18**



Z 18



6204



EP-2

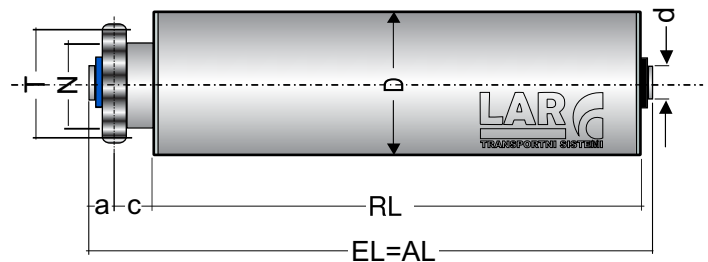
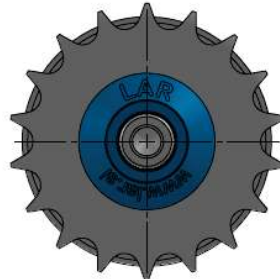
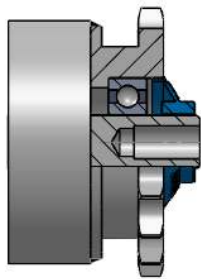
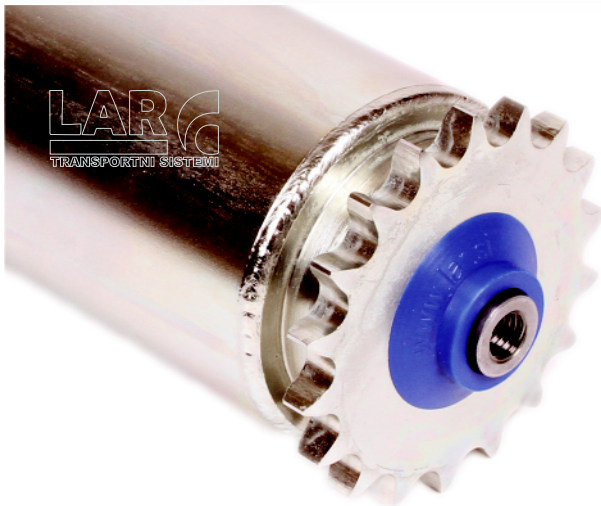


0-80 c°



500 daN

Max. roller speed: 0.9m/s



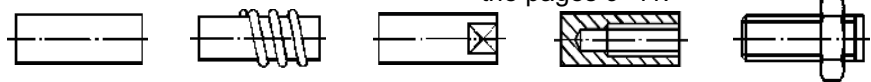
a=18 mm, c=18 mm, N=70 mm  
sprocket 5/8"x3/8", T=91.42 mm,

Pipe D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN by roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
										<b>K758</b>	
80 x 2.0	17,20	●	●	○	●	○				500	0.8
89 x 3.0	17,20	●	●	○	●	○				500	0.9



- - design on request
- - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



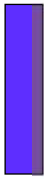
Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
80,89	17	RL=EL- AL=EL+				-45 0	
80,89	20	RL=EL- AL=EL+				-45 0	-65 50

Other versions on request.

Ordering example: KK758 G1V 80x2.0 6204 Z18var NP A20 NN 10x15 EL=950

[www.conveyorrollers-lar.com](http://www.conveyorrollers-lar.com)

# Driven sprocket roller K758



**DRIVEN 5/8"x3/8"**

**Type: K758 G2V Z18**  
(Welded) - Var

## ROLLER DESCRIPTION

**SERIES :** K - Metal bearing system  
**CLASS :** 7 - Heavy-duty roller  
**TYPE :** 50 - With regular tooth system  
**DESIGN:** G2V - Driven single-sprocket roller  
**SPROCKET :** Z18 - **18 sprocket teeth, division 5/8"x3/8"**  
**DRIVE :** NP - **Continuous drive – welded**

**USABILITY :**

- Suitable for maximum loads
- Low surface-sensitive roller
- With precision bearings and also suitable for axial loads

**APPLICATION :**

- In-house transport technology
- Not suitable for Stop&go technology



## CHARACTERISTICS :

- Durable metal sprocket
- Precise and smooth operation of driven rollers
- It ensures stable guidance for continuous roller drive
- Smooth running, surface-resistant and durable roller

## PIPE DESIGNS :

- Galvanised metal pipe
- Inox metal pipe

## AXIS DESIGNS :

- Internal thread
- External thread
- a low BM 20 nut is added (DIN 439) for axis (fi20- BM20)

## MATERIAL:

- Sprocket : from steel, **5/8"x3/8" Z 18**, with a built-in standard groove ball bearing **6204** that is available in 2RS or ZZ design.
- Seal : simple, plastic
- Bushing : plastic

## CHAIN :

- Type 10B-1 single-row (DIN 8187)



Type: **K758 G2V Z18**



Z 18



6204



EP-2

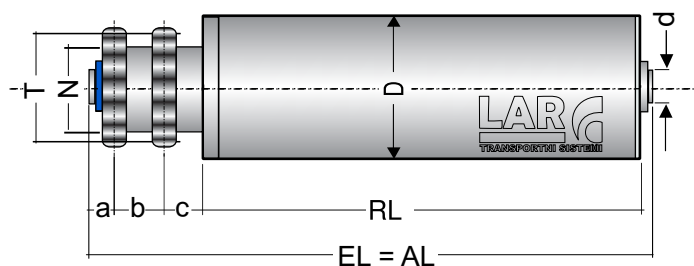
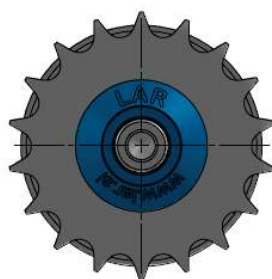
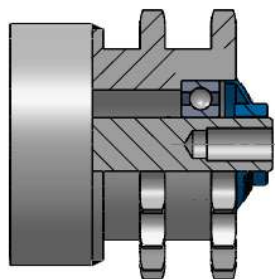


0-80 c°



500 daN

Max. roller speed: 0.9m/s



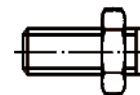
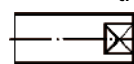
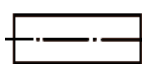
a=18 mm, b=26 mm, c=18 mm, N=70 mm  
sprocket 5/8"x3/8", T=91.42 mm,

Pipe D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN by roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
										<b>K758</b>	
80 x 2.0	17,20	●	●	○	●	○				500	0.8
89 x 3.0	17,20	●	●	○	●	○				500	0.9



○ - design on request  
● - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
80,89	17	RL=EL- AL=EL+				-71 0	
80,89	20	RL=EL- AL=EL+				-71 0	-91 50

Other versions on request.

Ordering example: Kk758 G2V 80x2.0 6204 Z18var NP A20 NN 10x15 EL=950

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## DRIVEN ROLLERS

- Grooved PULLEY GU360
- POLY-V BELT wheel GP370
- TIMING BELT wheel GZ370
- Roller guide plates

## CONICAL ROLLERS

- fi 30mm - KP193 platform
- fi 50mm - KP395 platform
- fi 50mm - KP595 platform driven

## SPECIAL-PUPOSE ROLLERS

- Split plastic rollers – PE300
- Split metal rollers – KE500
- Brake rollers and drums

## WHEELS AND TABLES

- TKP and TKK conveyor wheels
- VLN, VLSFN roller tables
- VLNR, VLAR roller tables

## ROLLER TRACKS

- VCTR roller track
- VTP pallet roller track



P365 G2U R5



P370 G1P Z9



P380 G1Z 8M Z20



GUIDE  
PLATES



KP193 B6



KP395 B10



KP595 G1V B10



KP595 G2V B10



PE342



KE540



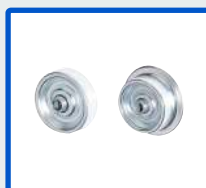
ZVP7



ZVB



TKP110



TKK120



VLN



VLSFN



VLNR



VLAR



VTCR



VTP

# Driven grooved roller P365



DRIVEN

Type: P365 G2U R5

## ROLLER DESCRIPTION

**SERIES :** P - Plastic bearing system  
**CLASS :** 3 - Medium-duty roller  
**TYPE :** 60 - Grooved  
**DESIGN:** G2U - Driven double grooved  
**GROOVE DIAMETER :** R - R5= 5mm  
**DRIVE :** NP - Close-fitting continuous drive

**USABILITY :**

- Suitable for medium loads
- Low surface-sensitive roller
- With precision bearings and also suitable for axial loads

**APPLICATION :**

- In-house transport technology
- Not suitable for Stop&go technology

**CHARACTERISTICS :**

- Quiet roller operation
- Precise and smooth operation of a driven roller
- Smooth running driven roller

## PIPE DESIGNS :

- Galvanised metal pipe
- Inox metal pipe

## AXIS DESIGNS :

- spring
- Internal thread
- External thread
- a low BM 12 nut is added (DIN 439) for axis (fi12-BM12)

**MATERIAL:**

- Roller bearing : from thermoplastics with a built-in standard groove ball bearing **6202** that is available in 2RS or ZZ design

- Seal : single labyrinth-type, plastic
- Bushing : plastic

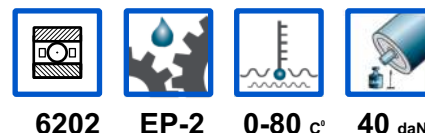
**PULLEY:**

- Type R5 round, rubber

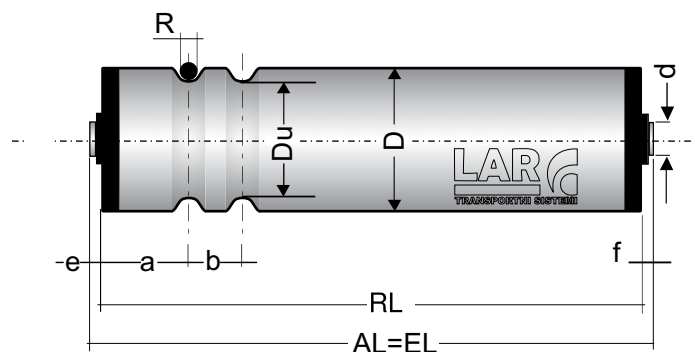
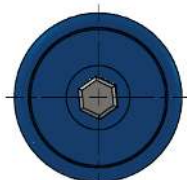
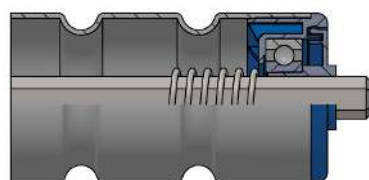




Type: **P365 G2U R5**



Max. roller speed: 0.6m/s



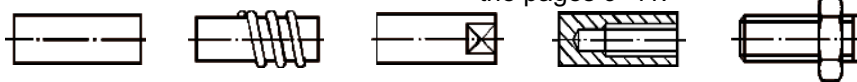
Min a=30 mm, Min b= 30 mm, Max a+b= 130 mm  
e=2.5 mm, f=2.5 mm, groove R=5 mm , Du=38 mm,

Pipe - D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN by roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
<b>P365</b>											
50 x 1.5	12, 6k11	●	●	○	●	○				40	0.5
50 x 2.0	12, 6k11	●	●	○	●					40	0.5
60 x 2.0	12, 6k11	●	●	○	●	○				40	0.6



○ - design on request  
● - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
50,60	12	RL=EL- AL=EL+				-7 0	-19 30
50,60	6k11	RL=EL- AL=EL+		-5 20			

Other versions on request.

Ordering example: KP365 G2U 50x1.5 6202 R5 NP A12 NN 8x15 EL=550

# Driven Poly-V roller P370



**DRIVEN**

**Type: P370 G1P Z9**

## ROLLER DESCRIPTION

<b>SERIES :</b>	<b>P</b>	- Plastic bearing system
<b>CLASS :</b>	<b>3</b>	- Medium-duty load capacity roller
<b>TYPE :</b>	<b>70</b>	- Poly-V
<b>DESIGN:</b>	<b>G1P</b>	- <b>Driven single wheel</b>
<b>WHEEL :</b>	<b>Z9</b>	- <b>With 9 teeth</b>
<b>DRIVE :</b>	<b>NP</b>	- <b>Close-fitting continuous drive</b>

**USABILITY :**

- Suitable for medium loads
- Low surface-sensitive roller
- With precision bearings and also suitable for axial loads

**APPLICATION :**

- In-house transport technology
- Not suitable for Stop&go technology

**CHARACTERISTICS :**

- Quiet roller operation
- Precise and smooth operation of a driven roller
- Smooth running driven roller

## PIPE DESIGNS :

- Plastic tube
- Galvanised metal pipe
- Inox metal pipe
- Aluminium pipe

## AXIS DESIGNS :

- spring
- Internal thread
- External thread
- a low BM 12 nut is added (DIN 439) for axis (fi12-BM12)

**MATERIAL:**

- Roller bearing : from thermoplastics with a built-in standard groove ball bearing **6202** that is available in 2RS or ZZ design

- Seal : single, plastic
- Bushing : plastic

**BELT:**

- Type Rb=12mm flat, rubber

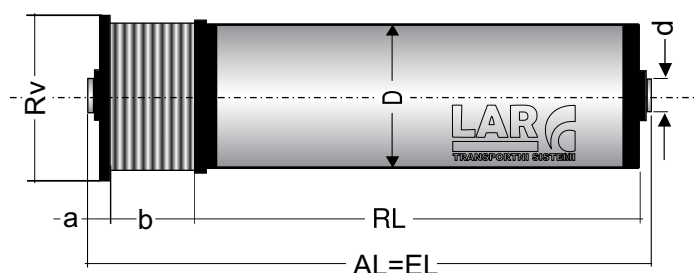
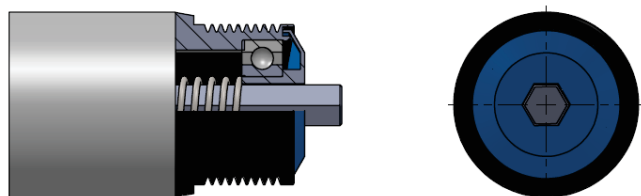




Type: **P370 G1P Z9**



Max. roller speed: 0.5m/s



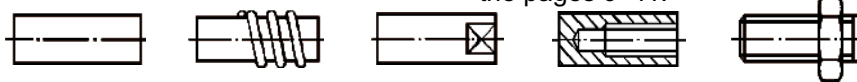
a=12 mm, b= 25 mm, Rv=43.3 mm

Pipe - D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN by roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
<b>P370</b>											
50 x 1.5	12, 6k11	●	●	○	●	○				40	0.5
50 x 2.0	12, 6k11	●	●	○	●					40	0.5



- - design on request
- - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
50	12	RL=EL- AL=EL+				-7 0	-19 30
50	6k11	RL=EL- AL=EL+		-5 20			

Other versions on request.

Ordering example: KP370 G1P 50x1.5 6202 Z9 NP A12 NN 8x15 EL=550

# TIMING BELT driven roller P380

DRIVEN

Type: P380 G1Z 8M Z20



## ROLLER DESCRIPTION

<b>SERIES :</b>	<b>P</b>	- Plastic bearing system
<b>CLASS :</b>	<b>3</b>	- Medium-duty roller
<b>TYPE :</b>	<b>80</b>	- for timing belt
<b>DESIGN:</b>	<b>G1Z</b>	- Driven timing belt single wheel
<b>WHEEL :</b>	<b>8M</b>	- Division 8mm
<b>DRIVE :</b>	<b>NP</b>	- Close-fitting continuous drive

<b>USABILITY :</b>	- Suitable for medium loads - Low surface-sensitive roller - With precision bearings and also suitable for axial loads
--------------------	--

<b>APPLICATION :</b>	- In-house transport technology - Not suitable for Stop&go technology
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<b>CHARACTERISTICS :</b>	- Quiet roller operation - Precise and smooth operation of a driven roller - Smooth running driven roller
--------------------------	---

## PIPE DESIGNS :

- plastic tube
- Galvanised metal pipe
- Inox metal pipe
- Aluminium pipe

## AXIS DESIGNS :

- spring
- Internal thread
- External thread
- a low BM 12 nut is added (DIN 439) for axis (fi12-BM12)

<b>MATERIAL:</b>	- Roller bearing :	from thermoplastics with a built-in standard groove ball bearing <b>6202</b> that is available in 2RS or ZZ design
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- Seal :	single, plastic
- Bushing :	plastic

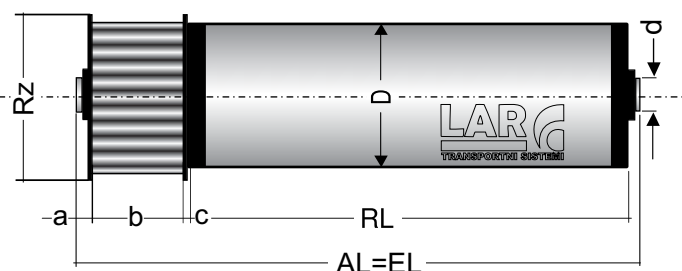
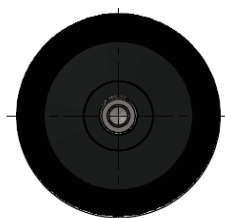
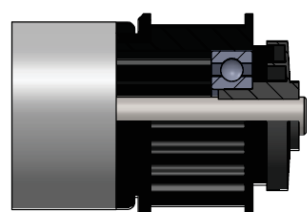
<b>BELT:</b>	- Type 8M	timing belt
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Type: **P380 G1Z 8M Z20**



Max. roller speed: 0.5m/s



a=10 mm, b= 25.4 mm, c= 4 mm, Rz=55 mm

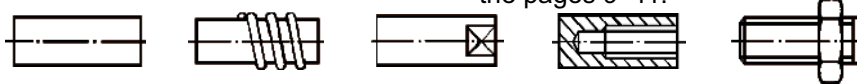
When using the 8M toothed belt pulley a deviation of the axis distance in the amount of +0/-0,3mm must be taken into account.

Pipe - D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN by roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
<b>P380</b>											
50 x 1.5	12, 6k11	●	●	○	●	○				40	0.5
50 x 2.0	12, 6k11	●	●	○	●					40	0.5



○ - design on request  
● - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
50	12	RL=EL- AL=EL+				-7 0	-19 30
50	6k11	RL=EL- AL=EL+		-5 20			

Other versions on request.

Ordering example: KP380 G1Z 50x1.5 6202 8M Z20 NP A12 NN 8x15 EL=550

# Roller guide plates



Type:

VP

## DESCRIPTION

**SERIES :** VP - Guide plate  
**CLASS :**  
**TYPE :** K - Galvanised guide plate  
 J - Steel guide plate

**USABILITY:**

- Suitable for installation on metal rollers
- Prevents slipping and restricts movement of pallets during transport
- Suitable for gravity- and driven-type applications

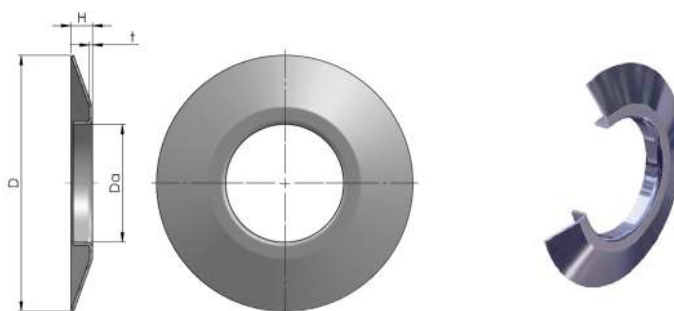
**CHARACTERISTICS :**

- Universal guide plate
- Smooth operation

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TRANSPORTNI SISTEMI

Basic type	Dimensions Da (mm)	External D (mm)	Plate thickness T (mm)	Tilt H (mm)	Installation Method
VPK 50-130	49.9	130	1.5	10	welding
VPK 60-130	59.9	130	1.5	10	welding
VPK 80-150	79.9	150	2.5	14	welding
VPK 89-150	88.9	150	2.5	14	welding
VPK 108-150	107.9	150	2.5	14	welding

## SKETCH:



**MATERIAL :**

- Plate : K - from galvanised steel sheet, cold rolled  
 J - from steel sheet, cold rolled

**SPECIAL-PURPOSE DESIGN. :**

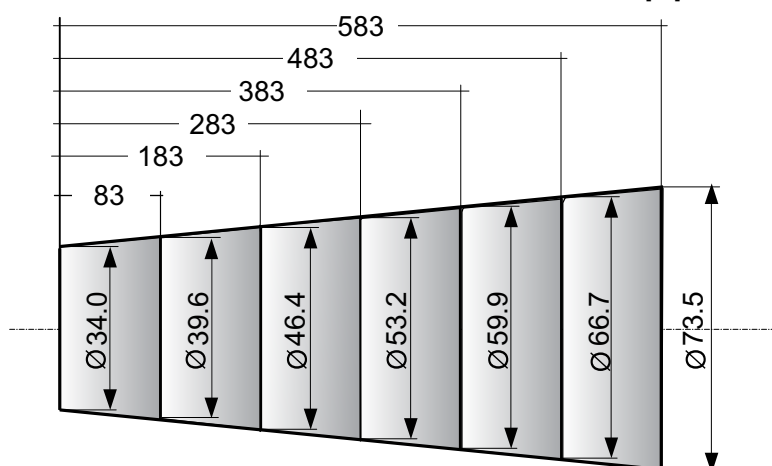
- Two-part screw-fitted guide plate
- Plastic guide plates for smaller cross-sections
- Additional small materials and finishes on request

# Conical rollers – elements



Various types of conical load capacity rollers are available. The conical conveyor elements are made of thermoplastics and are mounted on conveyor rollers with a diameter of 30mm and 50mm. The inner radius of the conveyor radius is 500 or 800mm.

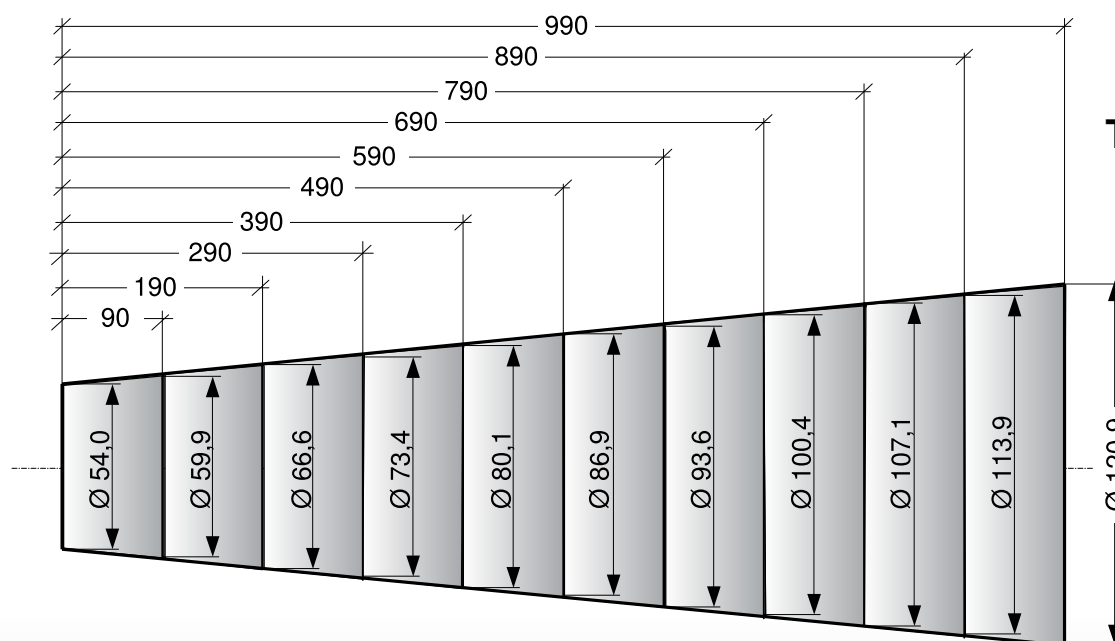
**Conical conveyor elements for internal radius of 500mm and pipe diameter of 30mm.**



**Type: P190 B6**



**Conical conveyor elements for internal radius of 800mm and pipe diameter of 50mm.**



**Type: P590 B10**

Other versions on request.

# Conical roller KP193



GRAVITY

Type: **KP193 B6**

## ROLLER DESCRIPTION

**SERIES :** K - Metal bearing system  
**CLASS :** 1 - Light-duty roller  
**TYPE :** 90 - **Conical roller**  
**CONE:** 3 - **Basic platform roller with fi 30 (K116)**

**USABILITY :**

- Suitable for light-duty loads
- A lightweight cost-effective conical roller
- Internal curve radius min. Rk = 500mm

**APPLICATION :**

- In-house transport technology
- For gravity-type applications only

**CHARACTERISTICS :**

- Precise and smooth operation of the roller because of a special ball bearing and thermoplastics pipe
- Quiet roller operation
- Smooth running conical roller

## PIPE DESIGNS :

- Galvanised metal pipe
- Inox metal pipe
- Aluminium pipe

## AXIS DESIGNS :

- Even, spring
- Wrench socket
- Internal thread
- External thread
- a low BM 10 nut is added (DIN 439) for axis ((fi8-BM8, fi10-BM10, fi12-BM12)

## MATERIAL:

- Roller bearing : from galvanised steel sheet with a cone ball bearing RL-16
- Bearing housing : steel, hardened
- Internal ring : steel, hardened, galvanised
- Bearing cage : plastic
- Seal :
- Bushing : steel
- The balls are made : from steel (K116)

## CONE:

- The conical conveyor elements are made of thermoplastics
- Dimensions of the individual conical elements P193 B6 from the figure on page 107



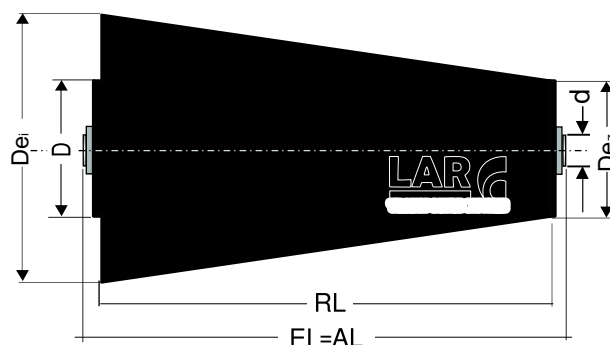


Type: **KP193 B6**



RL-16 Vactra 2 0-100 c° 30 daN

Max. roller speed: 0.3m/s



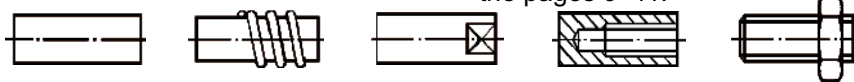
Dez = 34 mm, De<sub>i</sub> (mm) are shown on the figure on the page 107

Pipe - D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN by roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
<b>KP193</b>											
30 x 1.5	8,10,12	●	●	○	○	○	○	○	○	30	0.3



- - design on request
- - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
30	8	RL=EL- AL=EL+	-11 20	-11 20	-13 20	-13 0	-21 30
		RL=EL- AL=EL+	-11 20	-11 20	-13 20	-13 0	-23 30
30	10	RL=EL- AL=EL+	-11 20	-11 20	-13 20	-13 0	-23 30
		RL=EL- AL=EL+	-11 20	-11 20	-13 20	-13 0	-25 30

Other versions on request.

Ordering example: KKP193 30x1.5 B6 1608 A8 NN 5x10 EL=590

# Conical roller KP395



GRAVITY

Type: **KP395 B10**

## ROLLER DESCRIPTION

**SERIES :** K - Metal bearing system  
**CLASS :** 3 - Medium-duty roller  
**TYPE :** 90 - **Conical roller**  
**CONE:** 5 - **Basic platform roller with fi 50 (K320)**

**USABILITY :**

- Suitable for medium-duty loads
- A lightweight cost-effective conical roller
- Internal curve radius min. Rk = 800mm

**APPLICATION :**

- In-house transport technology
- For gravity-type applications only

**CHARACTERISTICS :**

- Precise and smooth operation of the roller because of a special ball bearing and thermoplastics pipe
- Quiet roller operation
- Smooth running conical roller

## PIPE DESIGNS :

- Galvanised metal pipe
- Inox metal pipe
- Aluminium pipe

## AXIS DESIGNS :

- Even, spring
  - Wrench socket
  - Internal thread
  - External thread
- a low BM 10 nut is added (DIN 439) for axis ((fi8-BM8, fi10-BM10, fi12-BM12)

## MATERIAL:

- Roller bearing : from galvanised steel sheet with a cone ball bearing RL-20
- Bearing housing : steel, hardened
- Internal ring : steel, hardened, galvanised
- Bearing cage : plastic
- Seal :
- Bushing : steel
- The balls are made : from steel (K320)

## CONE:

- The conical conveyor elements are made of thermoplastics
- Dimensions of the individual conical elements P395 B10 from the figure on page 107

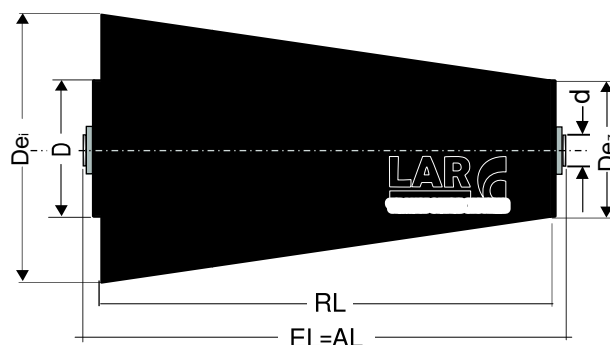
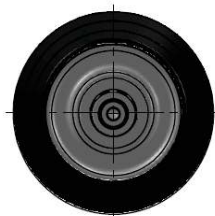
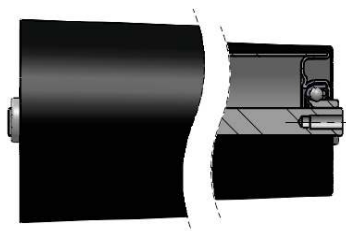


Type: **KP395 B10**



RL-20 Vactra 2 0-100 °C 80 daN

Max. roller speed: 0.5m/s



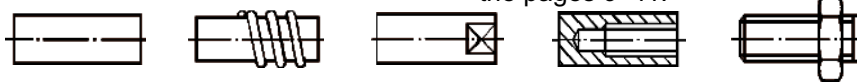
Dez = 54 mm, De (mm) can be found in the figure on page 107

Pipe - D (mm)	Axis- d (mm)	Pipe design							Max. load capacity daN by roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A		
<b>KP395</b>										
50 x 1.5	8,10,12	●	●	○	○	○	○	○	80	0.5



- - design on request
- - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
30	8	RL=EL-	-10	-10	-12	-12	-20
		AL=EL+	20	20	20	0	30
30	10	RL=EL-	-10	-10	-12	-12	-22
		AL=EL+	20	20	20	0	30
30	12	RL=EL-	-10	-10	-12	-12	-24
		AL=EL+	20	20	20	0	30

Other versions on request.

Ordering example: KKP395 50x1.5 B10 2010 A10 NN 5x10 EL=996

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# Conical sprocket roller KP595



DRIVEN 1/2"x5/16"

Type:KP595 G1V Z14 B10

## ROLLER DESCRIPTION

<b>SERIES :</b>	<b>K</b>	- Metal bearing system
<b>CLASS :</b>	<b>5</b>	- High-duty roller
<b>TYPE :</b>	<b>90</b>	- Conical roller
<b>DESIGN:</b>	<b>G1V</b>	- driven single-sprocket roller
<b>SPROCKET:</b>	<b>Z14</b>	- 14 sprocket teeth, division 1/2"x5/16"
<b>DRIVE:</b>	<b>NP</b>	- continuous drive – welded
<b>CONE:</b>	<b>5</b>	- Basic platform roller with fi 50 (K554var)

**USABILITY :**

- Suitable for higher loads
- With precision bearings and also suitable for axial loads

**APPLICATION :**

- In-house transport technology
- Not suitable for Stop&go technology

## CHARACTERISTICS :

- Durable metal sprocket
- Precise and smooth operation of the roller
- It ensures stable guidance for continuous conical roller drive
- Smooth running conical roller

## PIPE DESIGNS :

- Galvanised metal pipe
- Inox metal pipe

## AXIS DESIGNS :

- Internal thread
- External thread
- a low BM 12 nut is added (DIN 439) for axis (fi10-BM10, fi12-BM12, fi14-BM14)

## MATERIAL:

- Sprocket : made of steel, 1/2"x5/16" Z 14, with a built-in standard groove ball bearing 6202 that is available in 2RS or ZZ design.
- Seal : simple, plastic
- Bushing : plastic

## CHAIN:

- type 08B-1, single-row (DIN 8187)

## CONE:

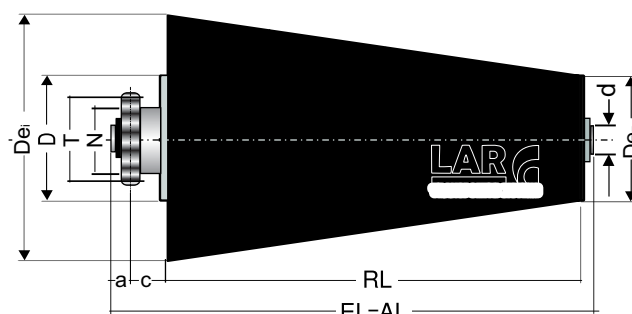
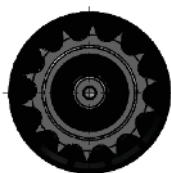
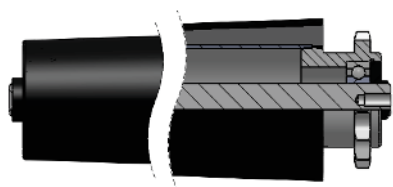
- The conical conveyor elements are made of thermoplastics
- Dimensions of individual conical elements P590 B10 from the figure on page 107



**Type: KP595 G1V Z14 B10**



**Max. roller speed: 0.5m/s**



a=13 mm, c=18 mm, N=43 mm  
sprocket 1/2"x5/16", T=57,07 mm,

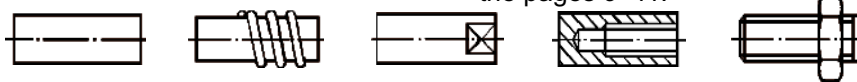
Dez = 54 mm, De<sub>i</sub> (mm) are shown in the figure on the page 107

Pipe - D (mm)	Axis- d (mm)	Pipe design							Max. load capacity daN by roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A		
<b>KP595</b>										
50 x 1.5	10,12,14,15	●	●	○	●	○		○	80	0.5
50 x 2.0	10,12,14,15	●	●	○	●				80	0.5



- - design on request
- - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
50	10	RL=EL- AL=EL+				-41 0	-51 30
50	12	RL=EL- AL=EL+				-41 0	-53 30
50	14	RL=EL- AL=EL+				-41 0	-55 40
50	15	RL=EL- AL=EL+				-41 0	

Other versions on request.

Ordering example: KKP595 G1V 50x2.0 6202 B10 Z14var NP A14 NN 8x15 EL=750

# Conical sprocket roller KP595



DRIVEN 1/2"x5/16"

Type:KP595 G2V Z14 B10

## ROLLER DESCRIPTION

<b>SERIES :</b>	<b>K</b>	- Metal bearing system
<b>CLASS :</b>	<b>5</b>	- High-duty roller
<b>TYPE :</b>	<b>90</b>	- Conical roller
<b>DESIGN:</b>	<b>G2V</b>	- double-sprocket driven
<b>SPROCKET:</b>	<b>Z14</b>	- 14 sprocket teeth, division 1/2"x5/16"
<b>DRIVE:</b>	<b>NP</b>	- continuous drive – welded
<b>CONE:</b>	<b>5</b>	- Basic platform roller with fi 50 (K554var)

**USABILITY :**

- Suitable for higher loads
- With precision bearings and also suitable for axial loads

**APPLICATION :**

- In-house transport technology
- Not suitable for Stop&go technology

## CHARACTERISTICS :

- Durable metal sprocket
- Precise and smooth operation of the roller
- It ensures stable guidance for continuous conical roller drive
- Smooth running conical roller

## PIPE DESIGNS :

- Galvanised metal pipe
- Inox metal pipe

## AXIS DESIGNS :

- Internal thread
- External thread – a low BM 12 nut is added (DIN 439) for axis (fi10-BM10, fi12-BM12, fi14-BM14)

## MATERIAL:

- Sprocket : made of steel, 1/2"x5/16" Z 14, with a built-in standard groove ball bearing 6202 that is available in 2RS or ZZ design
- Seal : simple, plastic
- Bushing : plastic

## CHAIN:

- type 08B-1, single-row (DIN 8187)

## CONE:

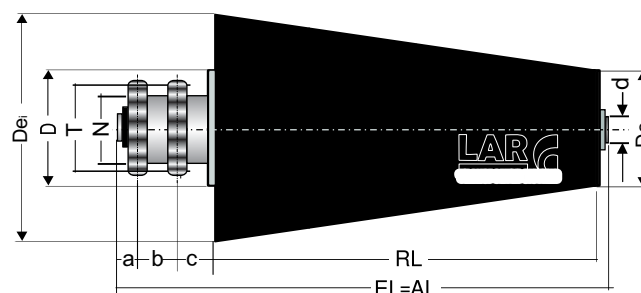
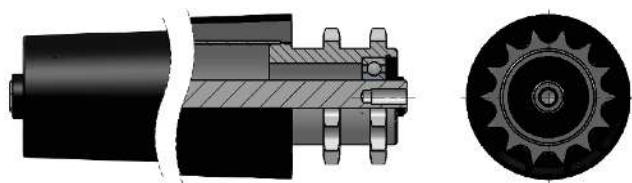
- The conical conveyor elements are made of thermoplastics
- Dimensions of individual conical elements P590 B10 from the figure on page 107



**Type: KP595 G2V Z14 B10**



**Max. roller speed: 0.5m/s**



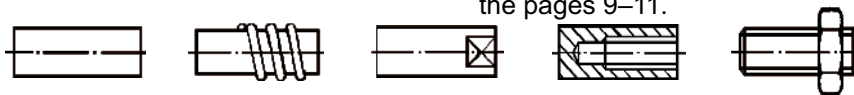
a=13 mm, b=21 mm, c=18 mm, N=43 mm  
sprocket 1/2"x5/16", T=57,07 mm,  
Dez = 54 mm, De<sub>i</sub> (mm) are shown in the figure on the page 107

Pipe - D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN by roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
<b>KP595</b>											
50 x 1.5	10,12,14,15	●	●	○	●	○			○	80	0.5
50 x 2.0	10,12,14,15	●	●	○	●					80	0.5



○ - design on request  
● - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
50	10	RL=EL- AL=EL+				-58 0	-68 30
50	12	RL=EL- AL=EL+				-58 0	-70 30
50	14	RL=EL- AL=EL+				-58 0	-72 40
50	15	RL=EL- AL=EL+				-58 0	

Other versions on request.

Ordering example: KKP595 G2V 50x2.0 6202 B10 Z14var NP A14 NN 8x15 EL=750

# Split roller PE342



GRAVITY

Type: **PE342**

## ROLLER DESCRIPTION

**SERIES :** P - Plastic bearing system  
**CLASS :** 3 - Medium-duty roller  
**TYPE :** 42 - **Steel, 42z – steel, with a plastic rounded-off edge**

**USABILITY :**

- A cost-effective gravity roller
- Precise and suitable also for axial loads
- Suitable for medium loads

**APPLICATION :**

- In-house transport technology
- For gravity-type applications only

**CHARACTERISTICS :**

- Quiet, precise, and smooth roller operation because of the ball bearing and polypropylene base
- Smooth running and durable gravity roller
- Enabled smoother lateral material passage due to a rounded-off roller edge (P342z)

## PIPE DESIGNS :

- Plastic tube
- Metal pipe
- Inox metal pipe

## AXIS DESIGNS :

- External thread – a low BM 12 nut is added (DIN 439) for axis (fi12-BM12, fi14-BM14)

**MATERIAL:**

- Roller bearing : from thermoplastics with an installed standard groove bearing **6002** which is also available in 2RS or ZZ design
- Seal : single labyrinth-type, plastic
- Bushing : plastic



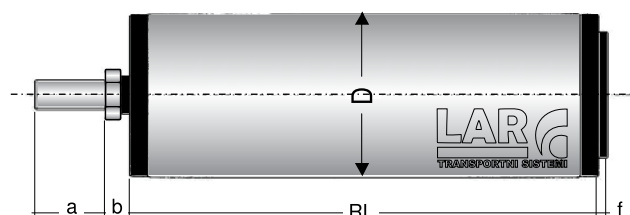
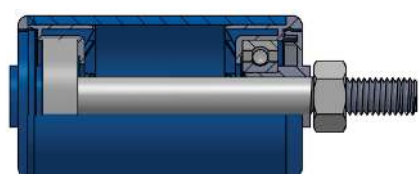


Type: **PE342**



6002 Ep-2 0-80 C° 25 daN

Max. roller speed: 0.6m/s



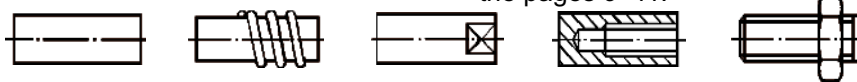
a = 25mm  
b = 10mm  
f = 3mm  
RL min = 60mm  
RL max = 150mm

Pipe - D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN by roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
<b>PE342</b>											
50 x 1.5	12,14	●	●	○	●	●		●	25	0.5	
50 x 2.0	12,14	●	●	○	●			●	25	0.5	
50 x 2.8	12,14							●	25	0.5	
60 x 2.0	12,14	●	●	○	●	●		○	25	0.6	



○ - design on request  
● - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
50,60	12	RL=EL- AL=EL+					-19 30
50,60	14	RL=EL- AL=EL+					-21 40

Other versions on request.

Ordering example: PPE3 50x2.8 4212 A12 ZN 12x25 EL=150

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# Split roller KE540

GRAVITY

Type: **KE540**



## ROLLER DESCRIPTION

**SERIES :** K - Metal bearing system  
**CLASS :** 5 - High-duty load capacity roller  
**TYPE :** 40 - **Steel, bearing 6202 or 6204 with a plastic bushing**

**USABILITY :**

- Suitable for high-duty loads in positions where a less surface sensitive roller is provided
- A cost-effective gravity roller
- Precise and suitable also for axial loads

**APPLICATION :**

- In-house transport technology
- Useful for gravity-type applications

**CHARACTERISTICS :**

- Precise and smooth roller operation due to a standard ball bearing
- Smoothly running, surface-resistant and durable gravity roller

## PIPE DESIGNS :

- Galvanised metal pipe
- Inox metal pipe
- Aluminium pipe

## AXIS DESIGNS :

- External thread – a low BM 12 nut is added (DIN 439) for axis (fi10-BM10, fi12-BM12, fi14-BM14)

**MATERIAL:**

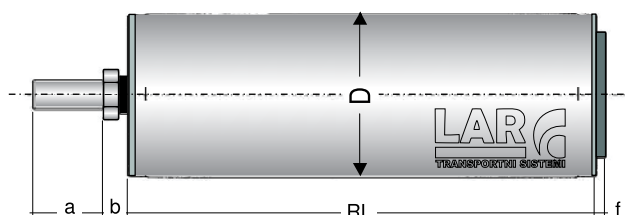
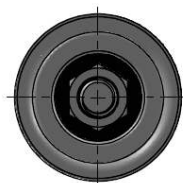
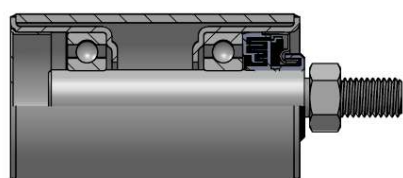
- Roller bearing : from galvanised steel sheet with an installed standard groove ball bearing **6202** or **6204** that is available in 2RS or ZZ design
- Seal : single labyrinth-type, plastic
- Bushing : plastic



Type: **KE540**



Max. roller speed: 0.9m/s



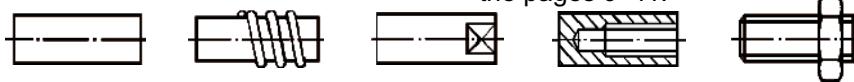
a = 25mm  
b = 10mm  
f = 3mm  
RL min = 60mm  
RL max = 150mm

Pipe - D (mm)	Axis- d (mm)	Pipe design								Max. load capacity daN by roller*	Recommended approx. max. roller speed m/s
		J	K	G	O	X	P	A			
<b>KE540</b>											
50 x 1.5	10,12,14,	●	●	○	●	○		●	25	0.5	
50 x 2.0	10,12,14,	●	●	○	●				25	0.5	
60 x 2.0	10,12,14,	●	●	○	●	○		○	30	0.6	
80 x 2.0	14,20	●	●	○	●	○		○	100	0.8	
89 x 3.0	20	●	●	○	●	○			100	0.9	



○ - design on request  
● - standard programme

\* - To determine the axis and pipe load capacity use the diagram on the pages 9-11.



Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
50,60	10	RL=EL- AL=EL+					-25 30
50,60,80	12	RL=EL- AL=EL+					-27 30
50,60,80	14	RL=EL- AL=EL+					-29 40

Other versions on request.

Ordering example: KKE5 60x2.0 4014 A14 ZN 14x25 EL=150

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# Brake roller



Type: **PZV7 1200**

## DESCRIPTION

**SERIES :** PZV - Metal brake roller with a plastic bearing system  
**CLASS :** 7 - Heavy-duty load capacity roller  
**TYPE :** 1200 - 1,200kg of braking force

**USABILITY :**

- Controlled palletised load speed of 0.1–0.2m/s
- Use in the temperature range from -30 to +45 °C
- Roller load capacity up to 150kg

**CHARACTERISTICS :**

- Reaction time of approx. 63mm
- It evenly brakes palletised loads
- Strong and stable brake roller



Basic roller type	Dimensions L x W (mm)	Axis d (mm)	Load Capacity (kg)	Braking effect	Controlled braking speed (m/s)
PZV7 1200	80 x 2.0	20	500	1200	0.1 - 0.2
PZV7 1200	89 x 3.0	20	500	1200	0.1 - 0.2

The brake rollers regulate the speed high-duty roller tracks, while keeping the load at a constant speed. This is done with the aid of a track gear unit, which by means of braking, which is proportional to the braking torque pushes the brake jaw against the body of the roller for each rotation due to the centrifugal force. A number of factors affect the distance between the brake rollers and the corresponding type of brake roller:

- Construction and functional performance of the roller track
- Roller track tilting
- Load characteristics (size, weight, sensibility, purchased material)
- Brake roller own resistance
- Environmental impacts such as wetness, cold or heat

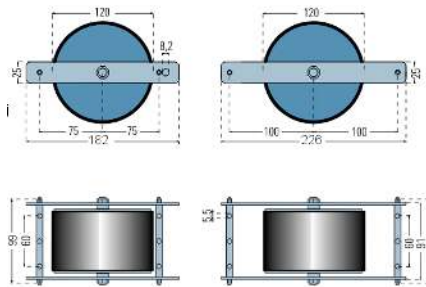
Ideally, one brake roller accommodates one space for the pallet, as this is the only way in which it can achieve controlled speed without acceleration and the formation of higher forces. The speed must never exceed 0.3m/s. With the correct brake roller distribution, it equals 0.1– 0.2m/s

**MATERIAL :**

- Roller: from galvanised sheet metal with built-in braking system
- Axle : steel, fi 20mm

Other versions on request.

# Brake drums



Type: **PZB 1200**

## DESCRIPTION

**SERIES :** PZB - Plastic brake drum  
**CLASS :**  
**TYPE :** 1200 - 1,200kg of braking force

**USABILITY :**

- Controlled palletised load speed of 0.1–0.2m/s
- Use in the temperature range from -30 to +45 °C
- Direct and indirect braking

**CHARACTERISTICS :**

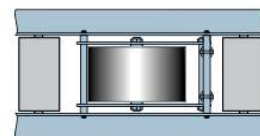
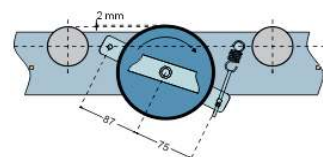
- It evenly brakes palletised loads
- Strong and stable brake roller

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Basic roller type	Dimensions L x W (mm)	Axis d (mm)	Load Capacity (kg)	Braking effect	Controlled braking speed (m/s)
PZB 800				800	0.1 - 0.2
PZB 1200				1200	0.1 - 0.2

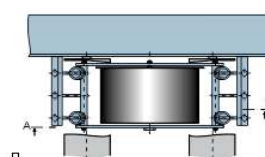
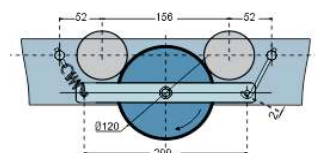
### Direct braking:

With direct braking, the brake roller has direct contact with the load. The roller is spring-clamped and must be approximately 2mm above the level.



### Indirect braking:

Indirect braking is in many cases more strongly recommended since the contact with the pallet is transferred over 2 load capacity rollers. 4 springs take over the contact, 2 fixing screws which are slightly inserted and secure the brake roller. For better contact between the brake roller, load capacity roller and pallet, the self-adhesive friction lining is provided on the load capacity roller in the area of the brake roller.



Other versions on request.

# TK conveyor wheels



Type: **TKP110**

## DESCRIPTION

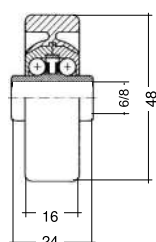
**SERIES :** P - Plastic wheel  
**CLASS :** 1 - Light-duty wheel  
**TYPE :** 10 - Load up to 10kg

**USABILITY :** - Suitable for installation into metal support system tables  
 - Use in the temperature range from 0 to +80 °C

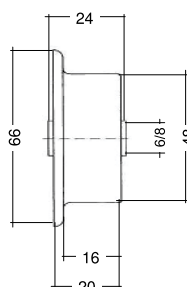
**CHARACTERISTICS :** - Universal plastic wheel  
 - Quiet and smooth roller operation due to a special double ball bearing  
 - Additional – surface-resistant PUR lining

Type	Diameter D x EL (mm)	Width S (mm)	Axis d (mm)	Max. load capacity daN	Purpose
TKP110	48 x 24	16	6.8	10	for standard installation into transport tables
TKP110v	66/48 x 24	16	6.8	10	for standard installation into transport tables

**SKETCH :** TKP110



TKP110v



**MATERIAL :**

- Wheel : from thermoplastics with a double steel ball series
- Wheel housing : plastic
- Axle bushing : plastic
- Balls : from steel (TKK120 and TKK120v)

Other versions on request.

# TK conveyor wheels



Type: **TKK120**

## Wheel DESCRIPTION

**SERIES :** K - Metal wheel  
**CLASS :** 1 - Lightweight load capacity wheel  
**TYPE :** 20 - Load up to 20kg

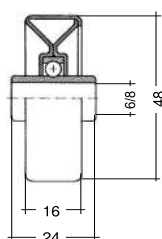
**USABILITY :** - Suitable for installation into metal support system tables  
 - Use in the temperature range from -30 to +140 °C

**CHARACTERISTICS :** - Universal metal wheel  
 - Precise and smooth operation due to special ball bearing  
 - Surface-resistant wheel

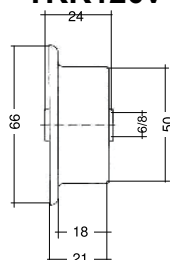
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Type	Diameter D x EL (mm)	Width S (mm)	Axis d (mm)	Max. load capacity daN	Purpose
TKK120	48 x 24	16	6.8	20	for standard installation into transport tables
TKK120v	66/50 x 24	18	6.8	20	for standard installation into transport tables

**SKETCH : TKK120**



**TKK120v**

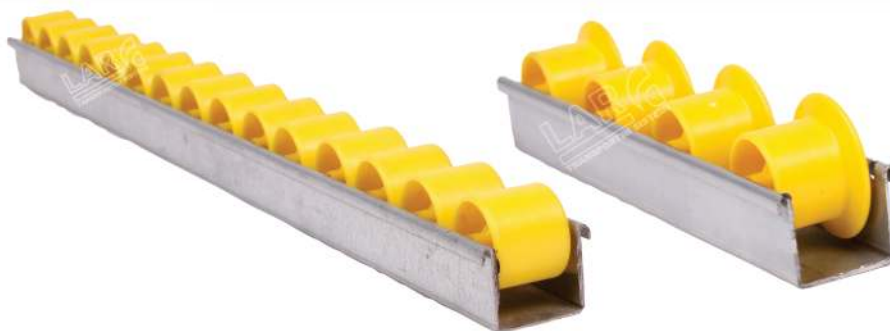


**MATERIAL :**

- Wheel : from galvanised steel sheet with a cone ball bearing
- Wheel housing : steel
- Axle : steel, hardened
- Balls: from steel (TKK120 and TKK120v)

Other versions on request.

# VLN roller rail



Type: **VLN 33**

## DESCRIPTION

**SERIES :** VLN - Normal plastic roller  
**DIVISION :** 33 - Basic division in mm  
**TYPE :** v - Guide roller

**USABILITY :**

- Suitable for installation into metal tables
- Use in the temperature range from -30 to +100 °C
- Roller load capacity up to 10kg

**CHARACTERISTICS :**

- Universal plastic roller
- Smooth operation
- Compact and durable roller rail

Epfei	Dimensions L x W (mm)	Height total (mm)	Axis d (mm)	Load capacity ( kg )	Division T (mm)	Table length L (mm)
VLN 33	28 x 25	36		10	33, 50, 66, 83, 100	3000
VLNv50	41/28 x 25	43		10	50, 66, 83, 100	3000
VLNmini16	13 x 25	28		10	16, 33, 50	3000
VLNminiv33	28/18 x 25	36		10	33, 50, 66	3000

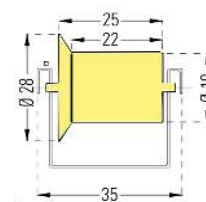
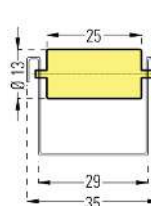
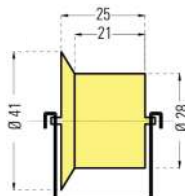
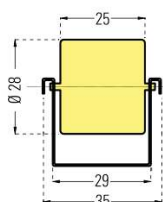
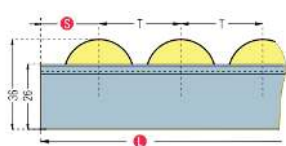
## SKETCH :

**VLN33**

**VLNv50**

**VLNmini16**

**VLNminiv33**



**MATERIAL :**

- Roller : from thermoplastics (yellow)
- Table : from galvanised steel sheet
- Axle :

**SPECIAL-PURPOSE DESIGN. :**

- For low temperatures from - 30 °C
- Antistatic design NHL (black)
- Additional small materials and finishes on request



# VLSFN roller rail



Type: **VLSFN 33**

## DESCRIPTION

**SERIES :** VLSFN - Stronger plastic roller  
**DIVISION :** 33 - Basic division in mm  
**TYPE :** v - Guide roller

**USABILITY :**

- Suitable for installation into metal push-through rack storage tables
- Use in the temperature range from -30 to +100 °C
- Roller load capacity up to 15kg

**CHARACTERISTICS :**

- Universal plastic roller resistant to acids and lye
- Smooth operation
- Compact and durable roller table

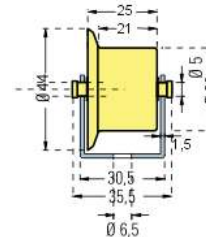
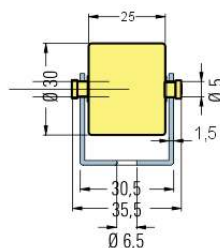
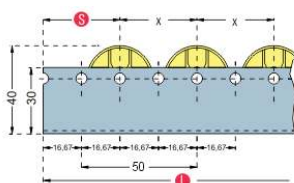
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TRANSPORTNI SISTEMI

Basic table type	Dimensions L x W (mm)	Height total (mm)	Axis d (mm)	Load capacity (kg)	Division T (mm)	Table length L (mm)
VLSFN 33	30 x 25	40	5	15	33, 50, 66, 100	3000
VLSFNv50	44/30 x 25	47	15	50, 66, 100	3000	

## SKICA :

### VLSFN33

### VLSFNv50



**MATERIAL :**

- Roller : from thermoplastics (yellow)
- Table : from 1.5mm galvanised steel sheet
- Axle : steel, d= 5mm

**SPECIAL-PURPOSE DESIGN. :**

- For low temperatures from - 30 °C
- Antistatic design NHL (black)
- Additional small materials and finishes on request

# VLNR roller rail



Type: VLNR

## DESCRIPTION

**SERIES :** VLNR - Regular wheel table  
**DIVISION :** 25 - Basic division in mm  
**TYPE :** 10 - Plastic wheel with up to 10 kg load capacity  
 20 - Metal wheel with up to 20kg load capacity  
 v - With guide lining

**USABILITY :** - Suitable for installation into metal tables for durable support applications  
 - With precision bearings and also suitable for smaller axial loads

**CHARACTERISTICS :** - Universal wheel  
 - Quiet and smooth roller operation due to a special double ball bearing in the plastic wheel  
 - Surface-resistant with additional protection

Basic table type	Dimensions L x W (mm)	Height total (mm)	Axis d (mm)	Load capacity (kg)	Division T (mm)	Table length L (mm)
VLNR 10	48 x 24	61	8	10	25, 50, 75, 100, 125	3000
VLNRv10	66/48 x 24	70	8	10	50, 75, 100, 125	3000
VLNR 20	48 x 24	61	8	20	25, 50, 75, 100, 125	3000
VLNRv21	66/50 x 24	70	8	20	50, 75, 100, 125	3000

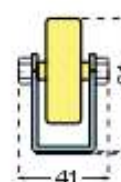
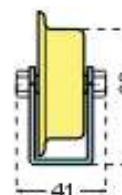
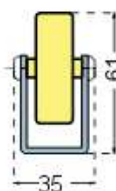
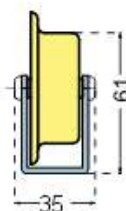
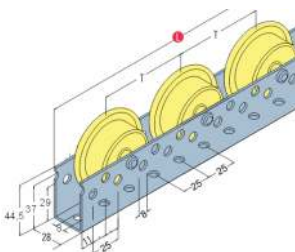
## SKETCH :

VLNRv10

VLNR 10

VLNRv21

VLNR 20



## MATERIAL :

- Wheel 10 : from thermoplastics (blue)  
 - Wheel 20 : from galvanised steel sheet  
 - Table : from 2.2mm galvanised steel sheet  
 - Axle : steel axis, d= 8mm  
 - Balls : from steel

**SPECIAL-PURPOSE DESIGN:** - With a PUR shock-absorbing ring  
 - With a slide bearing  
 - Additional small materials and finishes on request

# VLAR roller rail



Type: **VLAR**

## DESCRIPTION

**SERIES :** VLAR - All-direction plastic wheel  
**DIVISION :** 25 - Basic division in mm  
**TYPE :** 10 - Single wheel  
 40 - Double wheel  
 50 - Double wheel

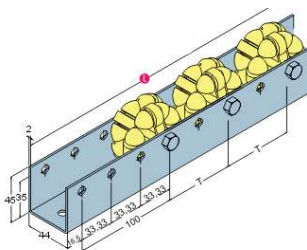
**USABILITY :** - Suitable for installation into metal tables for transporting load up to max. 100kg, with all-direction movement  
 - With precision bearings and also suitable for smaller axial loads

**CHARACTERISTICS :** - Multi-directional plastic wheel

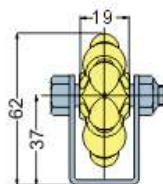
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Basic table type	Dimensions L x W (mm)	Height total (mm)	Axis d (mm)	Load capacity (kg)	Division T (mm)	Table length L (mm)
VLAR 10	50 x 19	62	8	5	25, 50, 75, 100, 125	3000
VLASR 40	40 x 29	62	8	10	25, 50, 75, 100, 125	3000
VLASRS 50	50 x 38	60	8	10	66, 100, 133, 166	3000

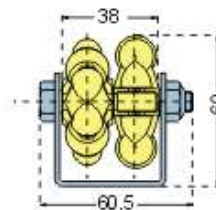
## SKETCH :



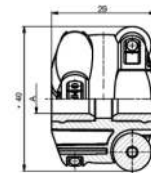
## VLAR 10



## VLASRS 50



## VLASR 40



**MATERIAL :**

- Wheel : from thermoplastics
- Table : from 2.2mm galvanised steel sheet
- Axle : steel axis, d= 8mm

**SPECIAL-PURPOSE DESIGN :** - Single or double table width  
 - Additional small materials and finishes on request

# VCTR roller track



Type: VTCR

## DESCRIPTION

**SERIES :** VTCR - Stronger plastic roller  
**DIVISION :** 33 - Basic division in mm  
**TYPE :** v - Guide roller

**USABILITY :**

- Suitable for installation into metal tracks for various uses in logistics
- Use in the temperature range from -30 to +100°C
- Roller load capacity up to 40kg

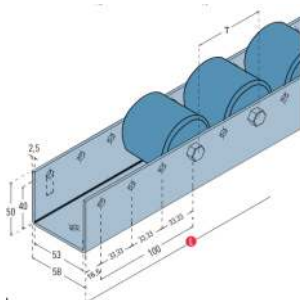
**CHARACTERISTICS :**

- Universal plastic cover resistant to acids and lye
- Smooth operation
- Compact strong and durable roller track

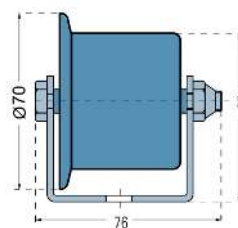
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TRANSPORTNI SISTEMI

Basic track type	Dimensions L x W (mm)	Height total (mm)	Axis d (mm)	Load capacity (kg)	Division T (mm)	Table length L (mm)
VTCR 40	54 x 48	67	8	40	66, 100, 133, 166, 200	3000
VTCRv40	70/54 x 48	75	8	40	100, 133, 166, 200	3000

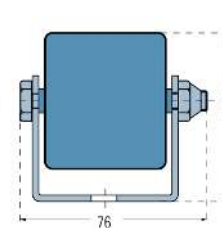
## SKETCH :



## VTCRv40



## VTCR 40



**MATERIAL :**

- Roller : from thermoplastics
- Table : from 2.5mm galvanised steel sheet
- Axle : steel, d= 8mm

**SPECIAL-PURPOSE DESIGN:**

- Standard and guiding rollers are exchanged (66mm division)
- Additional small materials and finishes on request

# VTP pallet roller track



Type: **VTP**

## DESCRIPTION

**SERIES :** VTP - Stronger metal roller  
**DIVISION :** 26 - Basic division in mm  
**TYPE :** v - Guide roller

**USABILITY :**

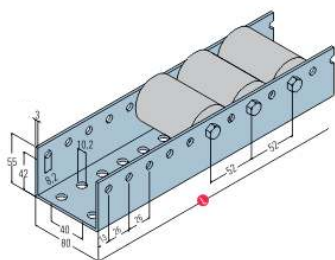
- Suitable for installation into metal tracks for various uses in logistics
- Use in the temperature range from 0 to +80°C
- Roller load capacity up to 150kg

**CHARACTERISTICS :**

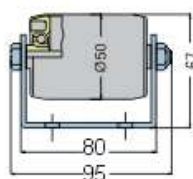
- Standard metal roller
- Smoothly running operation
- Strong and durable roller track

Basic track type	Dimensions L x W (mm)	Height total (mm)	Axis d (mm)	Load capacity (kg)	Division T (mm)	Table length L (mm)
VTP 100	50 x 66	67	8	150	52, 78, 104, 130, 156	3000
VTPv100	72/50 x 66	78	150	78, 104, 130, 156	3000	

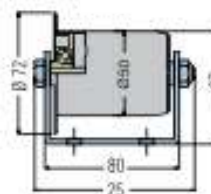
## SKETCH :



## VTP 100



## VTPv100



**MATERIAL :**

- Roller : from galvanised steel sheet with built-in ball bearing
- Table : from from 3.0mm galvanised steel sheet
- Axle : steel, d= 8mm

**SPECIAL-PURPOSE DESIGN:**

- Standard and guiding rollers are exchanged (78mm division)
- Additional small materials and finishes on request







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