


# CATALOGUE DRIVEN CONVEYOR ROLLERS



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

Oblikovanje:  KocKa

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## LABELLING OF DRIVEN ROLLERS

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

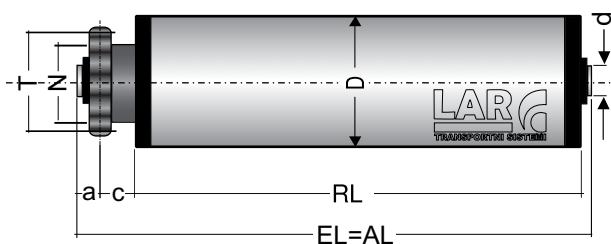
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10
11

- 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)



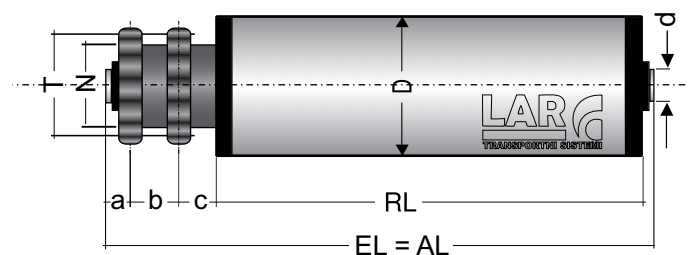
## DRIVEN SPROCKET ROLLER DESIGNS AN DIMENSIONS

G1V - driven single-sprocket roller




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

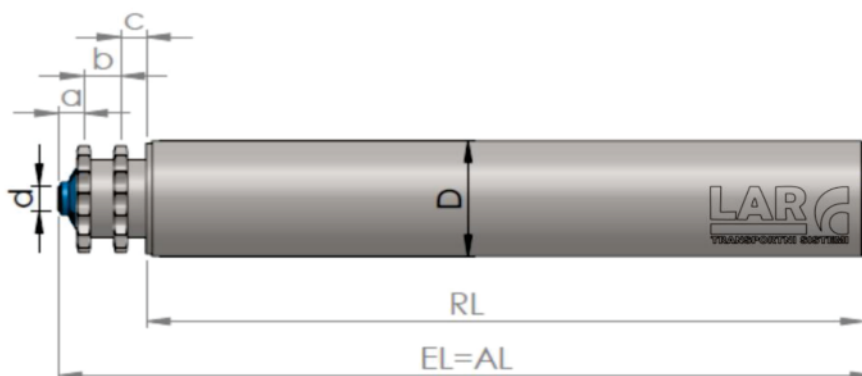
G2V - driven double-sprocket roller



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



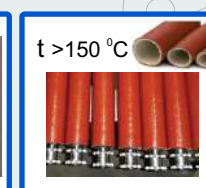
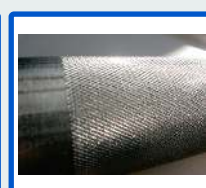
K755 G2V Z15



K758 G1V Z18



K758 G2V Z18



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# Driven sprocket roller

GNANI

LIGHT-DUTY rollers – load capacity class of

# 150

loads, up to 50daN per roller

Series: metal – type K150

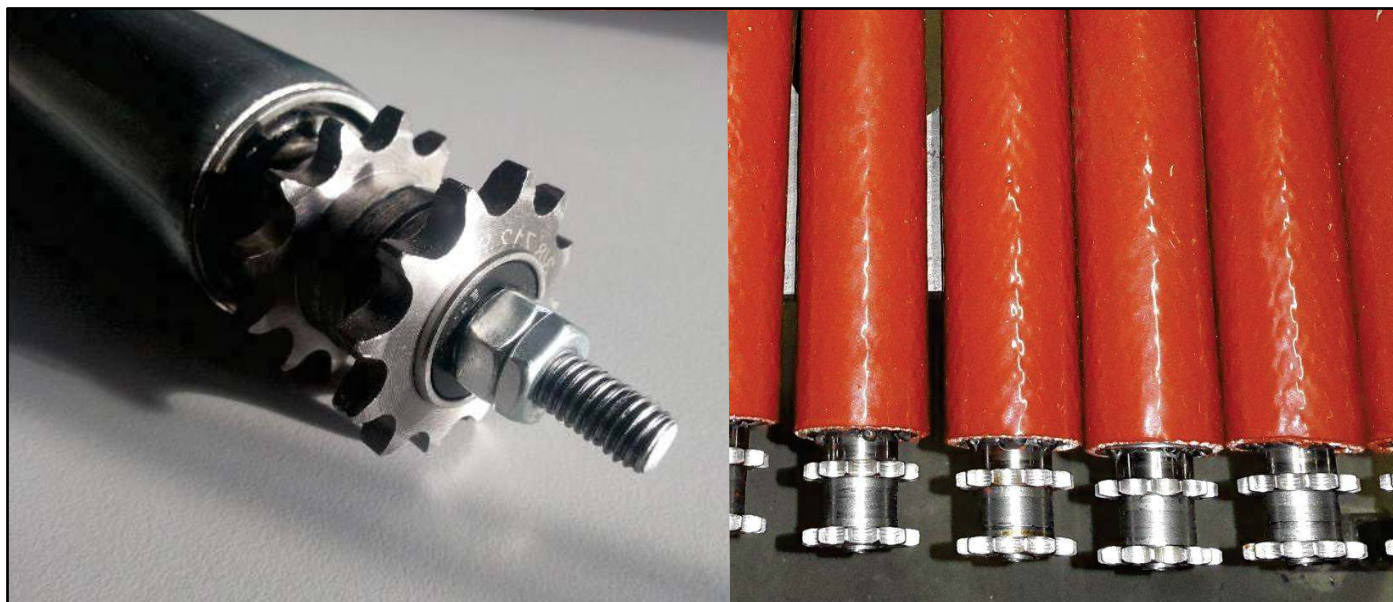


## Light-duty class 150

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

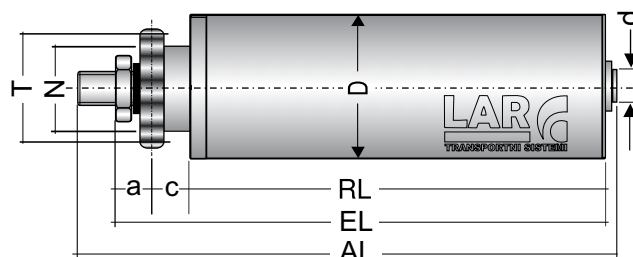
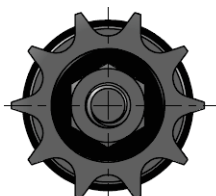
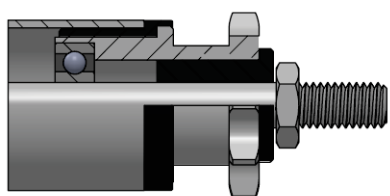


0-80 c°



50 daN

Max. roller speed: 0.4m/s



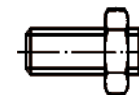
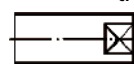
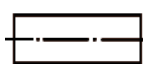
a=12 mm, c=12,5 mm, N=21 mm  
sprocket 3/8"x7/32", T=30.82 mm,

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

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# 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

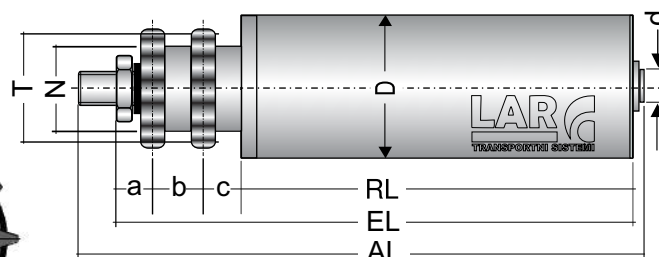
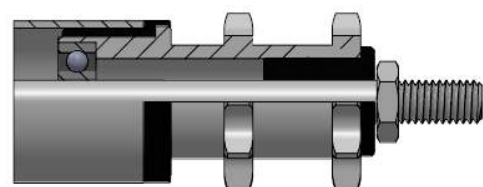


0-80 c°



50 daN

Max. roller speed: 0.4m/s



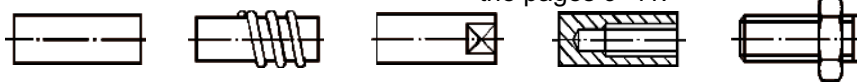
a=12 mm, b=20 mm, c=12,5 mm, N=21 mm  
sprocket 3/8"x7/32", T=30.82 mm,

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

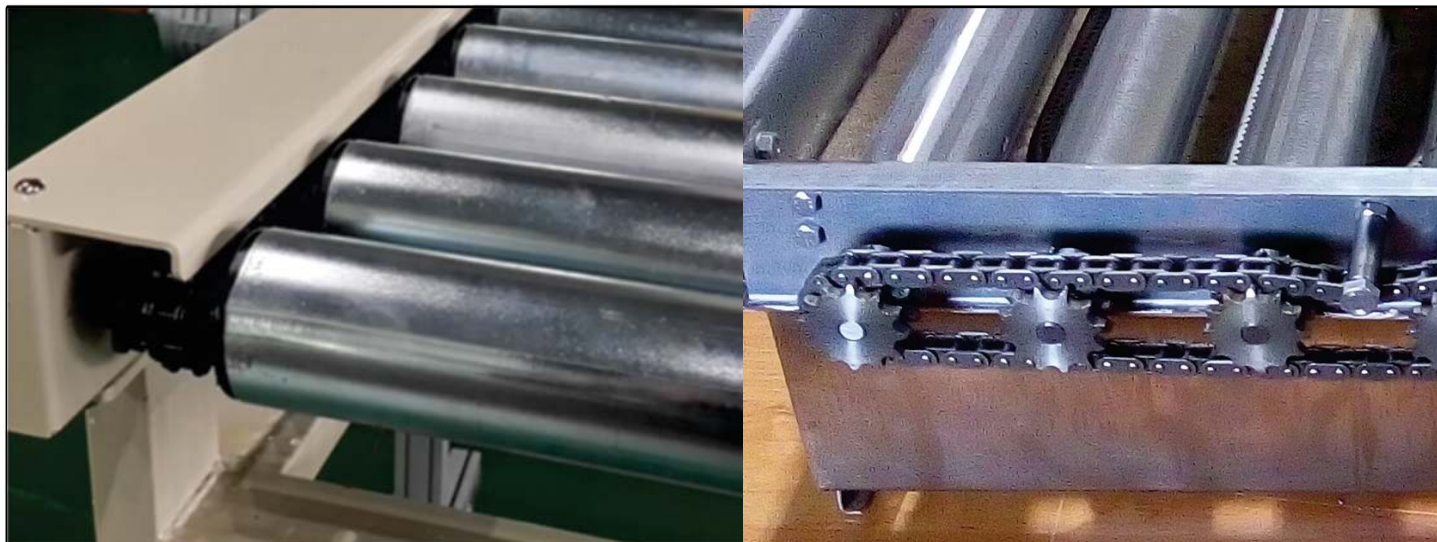
*MEDIUM-DUTY rollers – load capacity class of*

**350** up to 160daN per roller

DRIVEN

Series: *plastic – type* P351, P354

Series: *metal – type* K351



## Medium-duty class 350

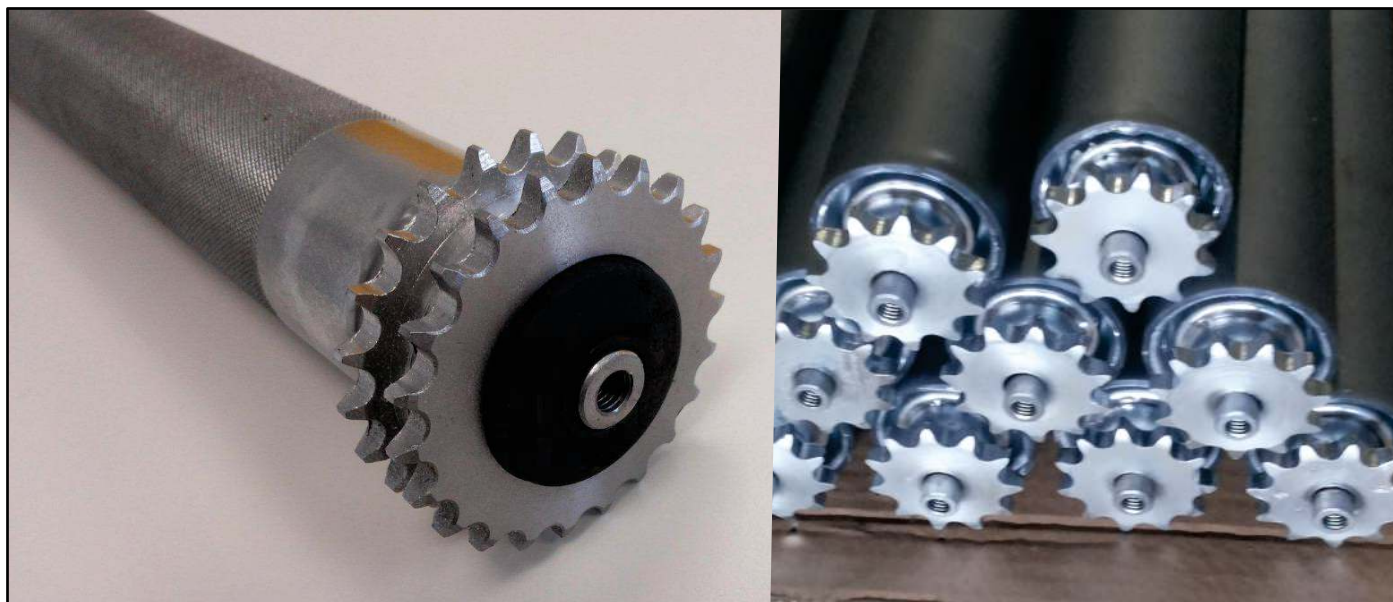
Rollers and roller tracks of this load capacity class are suitable for conveying medium weight and medium-sized articles and products, since they provide **maximum loads of up to 160daN per roller**.

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)

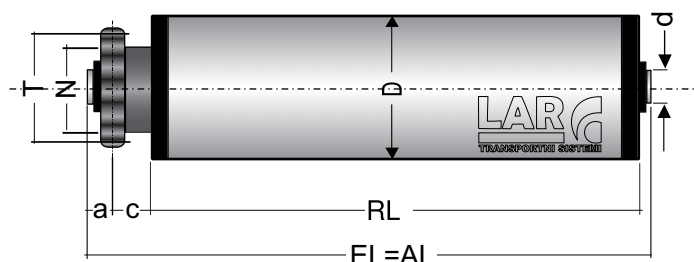
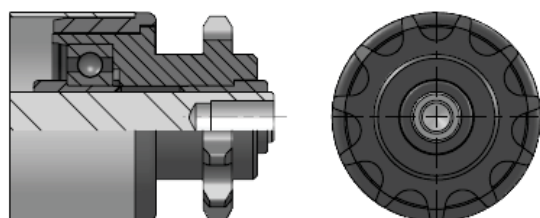


Type: **P351 G1V Z11**



Z 11    6202    EP-2    0-80 c°    160 daN

Max. roller speed: 0.5m/s



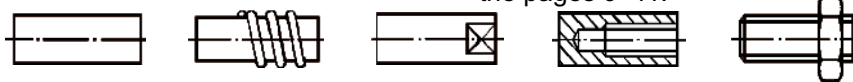
a=13,5 mm, c=15 mm, N=30 mm  
sprocket 1/2"x5/16", T=45.076 mm,

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

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## 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

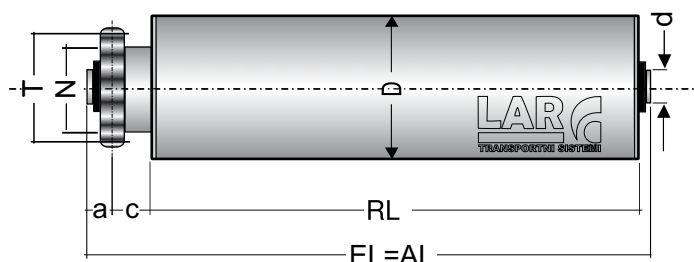
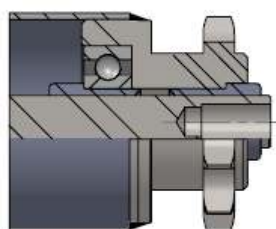


0-80 c°



160 daN

Max. roller speed: 0.5m/s



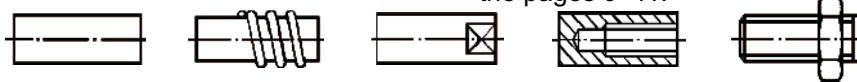
a=12 mm, c=15,5 mm, N=31,5 mm  
sprocket 1/2"x5/16", T=45.076 mm,

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)



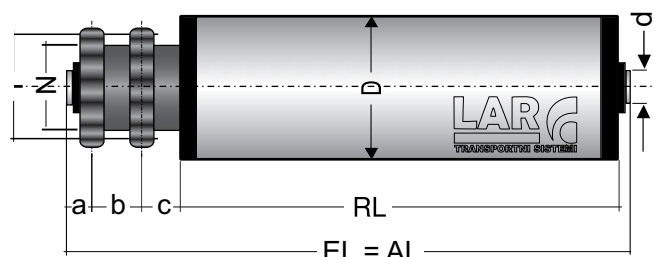
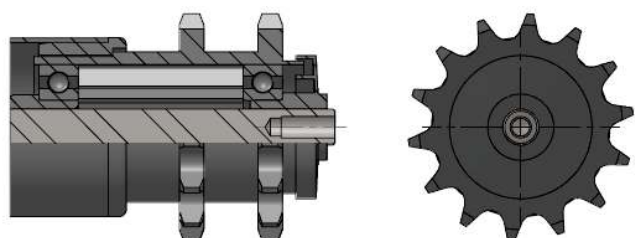


Type: **P354 G2V Z14**



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

Max. roller speed: 0.5m/s



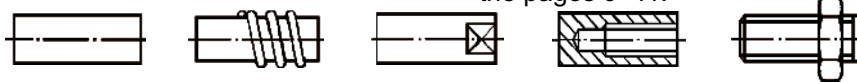
a=18 mm, b= 22 mm, c=18 mm, N=42,0 mm sprocket 1/2"x5/16", T=57.07 mm,

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

**DRIVEN**  
up to 300daN per roller

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)

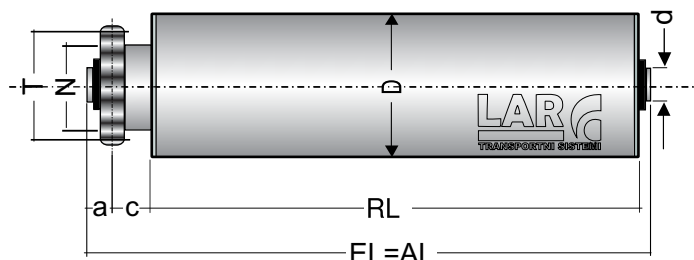
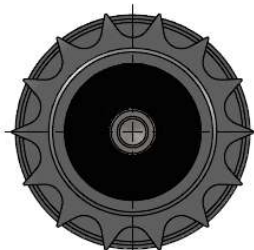
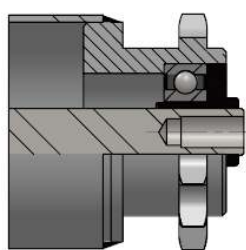




Type: **K554 G1V Z14**



Max. roller speed: 2.3m/s



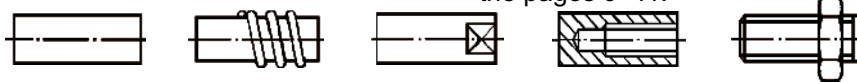
a=13 mm, c=18 mm, N=43 mm  
sprocket 1/2"x5/16", T=57.07 mm,

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

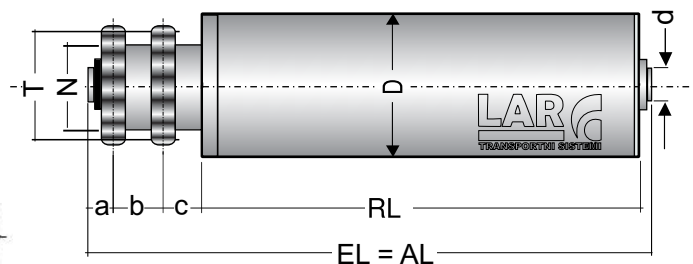
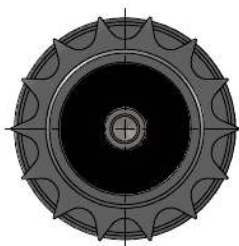
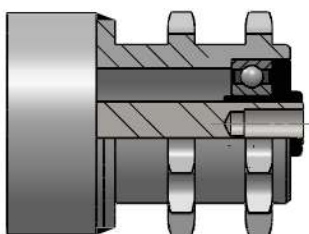


0-80 c°



300 daN

Max. roller speed: 2.3m/s



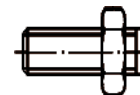
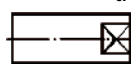
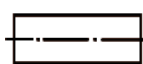
a=9 mm, b=21 mm, c=18 mm, N=43 mm  
sprocket 1/2"x5/16", T=57.07 mm,

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

# 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.

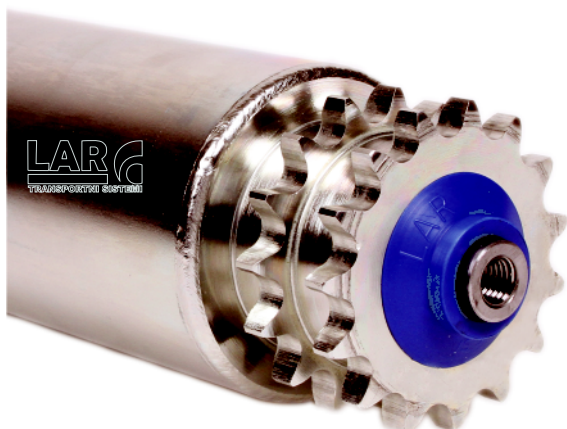
- Seal : external single labyrinth-type
- Bushing :

**CHAIN :**

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

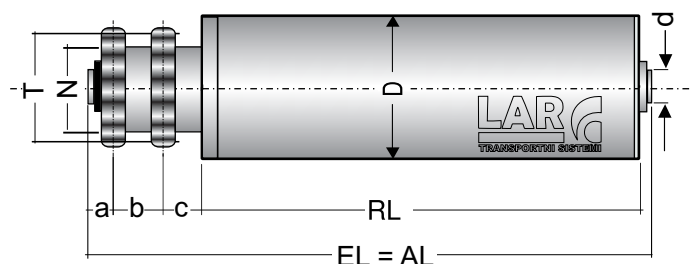
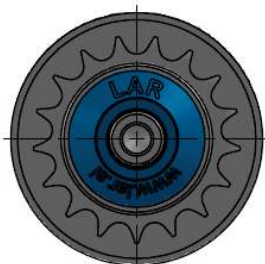
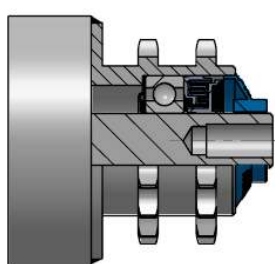


Type: **K557 G2V Z17**



Z 17    6204    EP-2    0- 80 c°

Max. roller speed: 0.9m



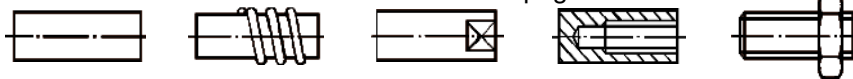
a=9 mm, b=21 mm, c=16,5 mm, N=54 mm  
sprocket 1/2"x5/16", T=69.11 mm,

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

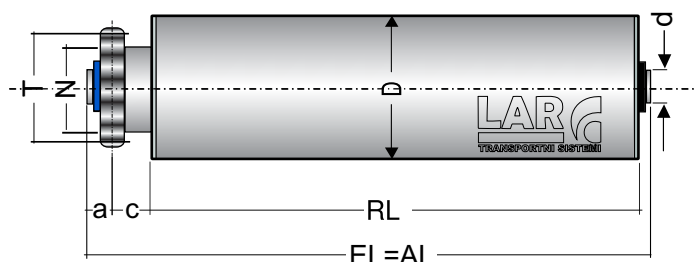
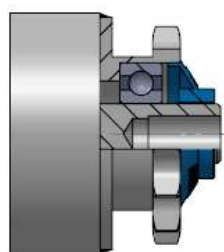


0-80 c°



500 daN

Max. roller speed: 0.9m/s



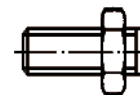
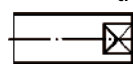
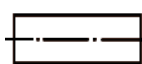
a=18 mm, c=18 mm, N=51 mm  
sprocket 5/8"x3/8", T=66.32 mm

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: **K753 G2V Z13**  
(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 :** 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

LAR  
TRANSPORTNI SISTEMI

## 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)

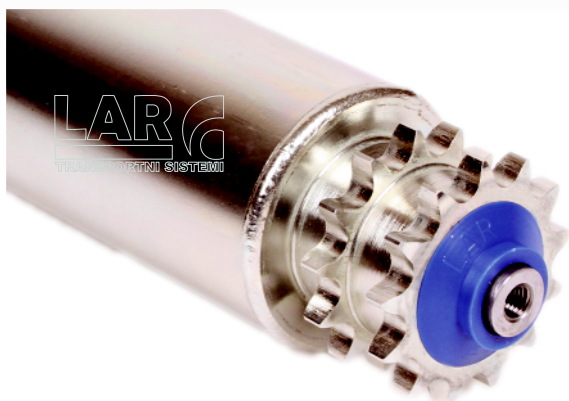
**MATERIAL:**

- 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)

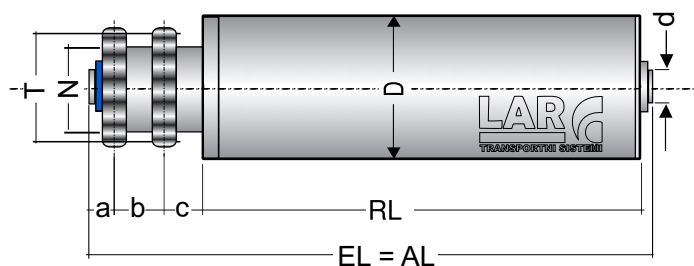
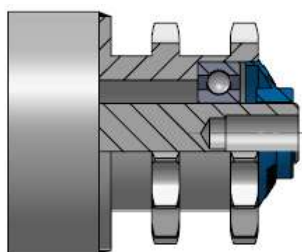


Type: **K753 G2V Z13**



Z 13    6204    EP-2    0-80 c°    500 daN

Max. roller speed: 0.9m/s



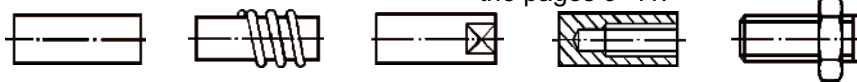
a=18 mm, b=26 mm, c=18 mm, N=51 mm  
sprocket 5/8"x3/8", T=66.32 mm

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

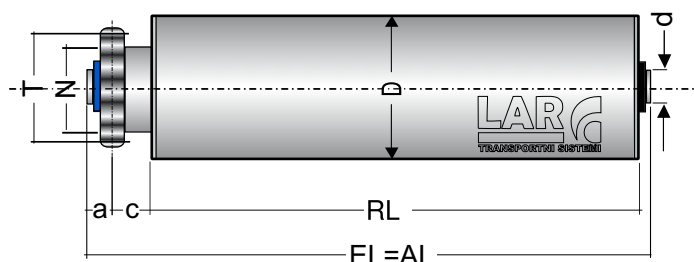
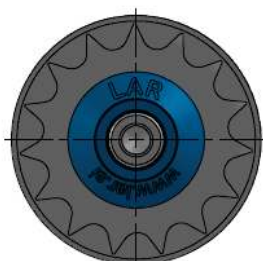
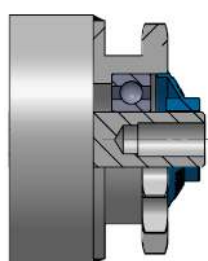


0-80 c°



500 daN

Max. roller speed: 0.9m/s



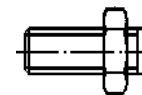
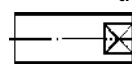
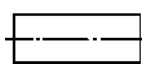
a=18 mm, c=18 mm, N=60 mm  
sprocket 5/8"x3/8", T=76.36 mm,

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

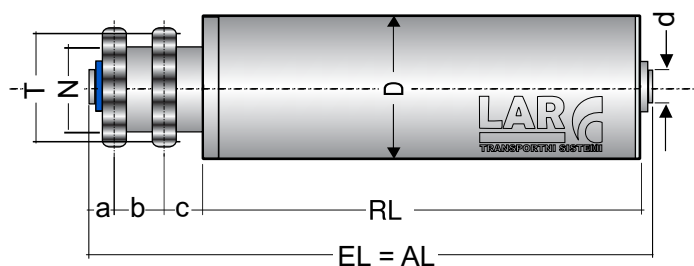
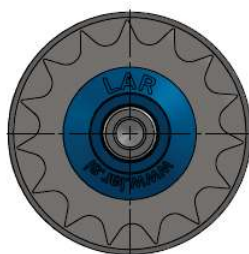
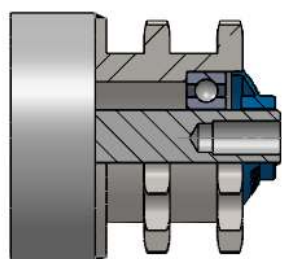


0-80 c°



500 daN

Max. roller speed: 0.9m/s



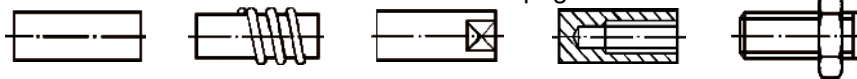
a=18 mm, b=26 mm, c=18 mm, N=60 mm sprocket 5/8"x3/8", T=76.36 mm,

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)

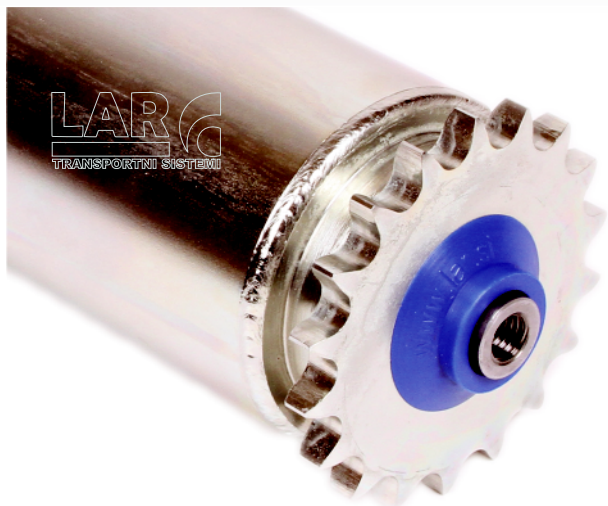
## MATERIAL:

- 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

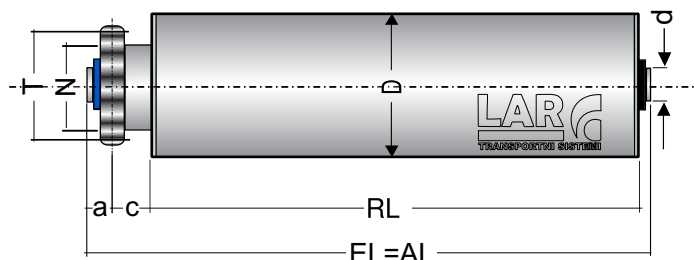
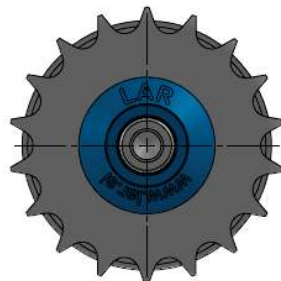
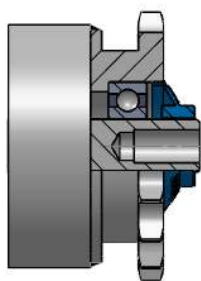


0-80 c°



500 daN

Max. roller speed: 0.9m/s



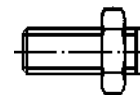
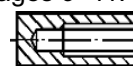
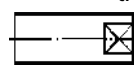
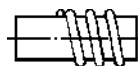
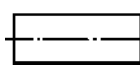
a=18 mm, c=18 mm, N=70 mm  
sprocket 5/8"x3/8", T=91.42 mm,

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.

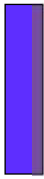


Pipe - D (mm)	Axis- d (mm)	DIMENSIONS (mm)	Even G	Spring axis VZ	Wrench socket NK	Internal thread NN	External thread ZN
80,89	17	RL=EL- AL=EL+				-45 0	
80,89	20	RL=EL- AL=EL+				-45 0	-65 50

Other versions on request.

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

# 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

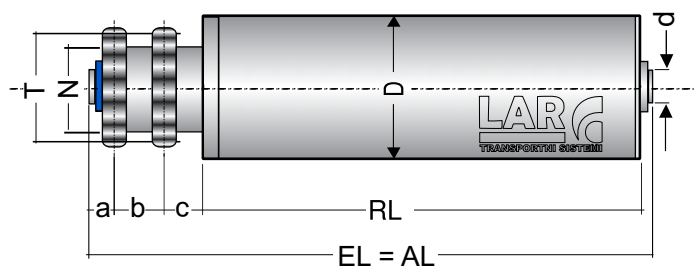
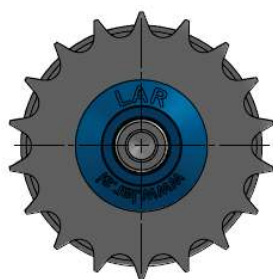
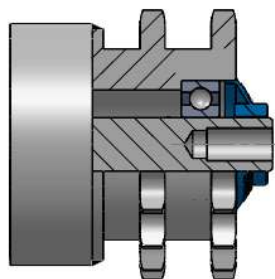


0-80 c°



500 daN

Max. roller speed: 0.9m/s



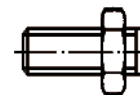
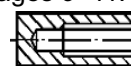
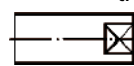
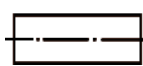
a=18 mm, b=26 mm, c=18 mm, N=70 mm  
sprocket 5/8"x3/8", T=91.42 mm,

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