

# CARRYING STRAIGHT ROLLER| NGV

Carrying straight rollers are used for carrying the belt and weight of material transported. They are made of precision steel tubes without inner and outside traces from welding. The main advantage of SKF stainless steel bearings is their resistance to corrosion in moisture and other corrosive environments. These bearings are intended for use in a potentially explosive atmosphere.

The sealing and ingress protection of dust and water is done with specially patented mechanism of flanges. The flanges are made of special antistatic and non-flammable material. Bekto Precisa rollers are mainly intended for use in underground coal mines and also on aboveground coal mines, power plants, quarries, mineral and cement industries, and iron and steel industries.

The main advantages of BP carrying straight rollers are:

- The patented sealing part, with easy maintenance and replacement,
- The best quality of all components including tubes, shafts, bearings and other components,
- Well and precision machining with minimum tolerance,
- IP65 degree of ingress and water protection,
- Safe construction,
- High efficiency of rollers,
- Economy of use,
- Long working lifetime,
- Ex protection.



## Product technical data

Type	NGV	Ingress protection	IP65
External diameter	Ø90 - Ø159	Ex protection	Ex I M2 II G/2D
Wall thickness	3, 4 [mm]	Shaft and steel tube	EN 13463 - 2011
Shaft dimensions	240 - 1400 [mm]	Application	Minning, energy, industry
Shaft diameter	25 - 45 [mm]	Increased capacity	Yes
Temperature range	-35°C to +50°C	Guarantee	1 year
Approval by Federal authorities of BiH	Nr. UP1-16-18-06392/12	Fire resistance	V-0 class UL 94
Directives	94/9/CE (ATEX 95)	Flange	Patent nr. BAP1329656A
Standards	EN 13463-1, EN 13463-5, EN	Type of steel tube	Seamless precision steel
Hermetic sealing against	Yes	Full product name	Carrying straight roller

HIGH QUALITY

MAXIMUM PROTECTION

BEST MATERIAL



# TABLE OF NGV ROLLERS

## Table for orders

Roller dimensions D <sub>v</sub> x L <sub>v</sub>	Flange diameter d <sub>1</sub>	Shaft length L <sub>1</sub>	Shaft length L <sub>2</sub>	Order code
Ø108x380	25	390	410	BP-GPR-000445
Ø108x380	25	386	410	BP-GPR-000447
Ø108x315	25	321	345	BP-GPR-000449
Ø133x380	28	390	410	BP-GPR-000451
Ø108x315	28	320	340	BP-GPR-000453
Ø108x380	28	390	410	BP-GPR-000455
Ø133x465	28	475	495	BP.GPR-000457
Ø133x1150	28	1160	1230	BP-GPR-000459
Ø133x1400	28	1410	1430	BP-GPR-000460
Ø108x315	25	325	345	BP-GPR-000461
Ø108x465	25	475	495	BP-GPR-000462
Ø133x465	28	475	495	BP-GPR-000463
Ø133x670	28	680	700	BP-GPR-000464
Ø133x380(25)	25	390	410	BP-GPR-000475
Ø133x465(25)	25	475	495	BP-GPR-000476
Ø159x594(40)	45	608	633	BP-GPR-000477
Ø159x374(40)	45	388	413	BP-GPR-000478
Ø159x665(40)	45	678	703	BP-GPR-000479
Ø108x455	25	465	495	BP-GPR-000481
Ø108x310	25	380	410	BP-GPR-000482
Ø108x305	25	315	345	BP-GPR-000483
Ø90x300	25	310	330	BP-GPR-000484
Ø108x240	25	250	290	BP-GPR-000485
Ø133x380	38	388	412	BP-GPR-000489

HIGH QUALITY

MAXIMUM PROTECTION

BEST MATERIAL



# CARRYING STRAIGHT HANGED ROLLER | NGVZ

Carrying straight rollers in hanging position are used for carrying the belt and weight of material transported. They are made of precision steel tubes without inner and outside traces from welding. The main advantage of SKF stainless steel bearings is their resistance to corrosion in moisture and other corrosive environments. These bearings are intended for use in a potentially explosive atmosphere.

The sealing and ingress protection of dust and water is done with specially patented mechanism of flanges. The flanges are made of special antistatic and non-flammable material. Bekto Precisa rollers are mainly intended for use in underground coal mines and also on aboveground coal mines, power plants, quarries, mineral and cement industries, and also iron and steel industries.

The main advantages of BP carrying straight rollers are:

- The patented sealing part, with easy maintenance and replacement,
- The best quality of all components including tubes, shafts, bearings and other components,
- Well and precision machining with minimum tolerance,
- IP65 degree of ingress and water protection,
- Safe construction,
- High efficiency of rollers,
- Economy of use,
- Long working lifetime,
- Ex protection.



## Product technical data

<b>Type</b>	NGVZ	<b>Ingress protection</b>	IP65
<b>External diameter</b>	Ø133 - Ø159	<b>Ex protection</b>	Ex I M2 II G/2D
<b>Wall thickness</b>	4, 8 [mm]	<b>Shaft and steel tube</b>	EN 13463 - 2011
<b>Shaft dimensions</b>	380 - 750 [mm]	<b>Application</b>	Mining, energy, industry
<b>Shaft diameter</b>	32 - 55 [mm]	<b>Increased capacity</b>	Yes
<b>Temperature range</b>	-35°C to +50°C	<b>Guarantee</b>	1 year
<b>Approval by Federal authorities of BiH</b>	Nr. UP1-16-18-06392/12	<b>Fire resistant</b>	V-0 class UL 94
<b>Directives</b>	94/9/CE (ATEX 95)	<b>Flange</b>	Patent nr. BAP1329656A
<b>Standards</b>	EN 13463-1, EN 13463-5, EN	<b>Type of steel tube</b>	Seamless precision steel
<b>Hermetic sealing against</b>	Yes	<b>Full product name</b>	Carrying straight hanged

HIGH QUALITY

MAXIMUM PROTECTION

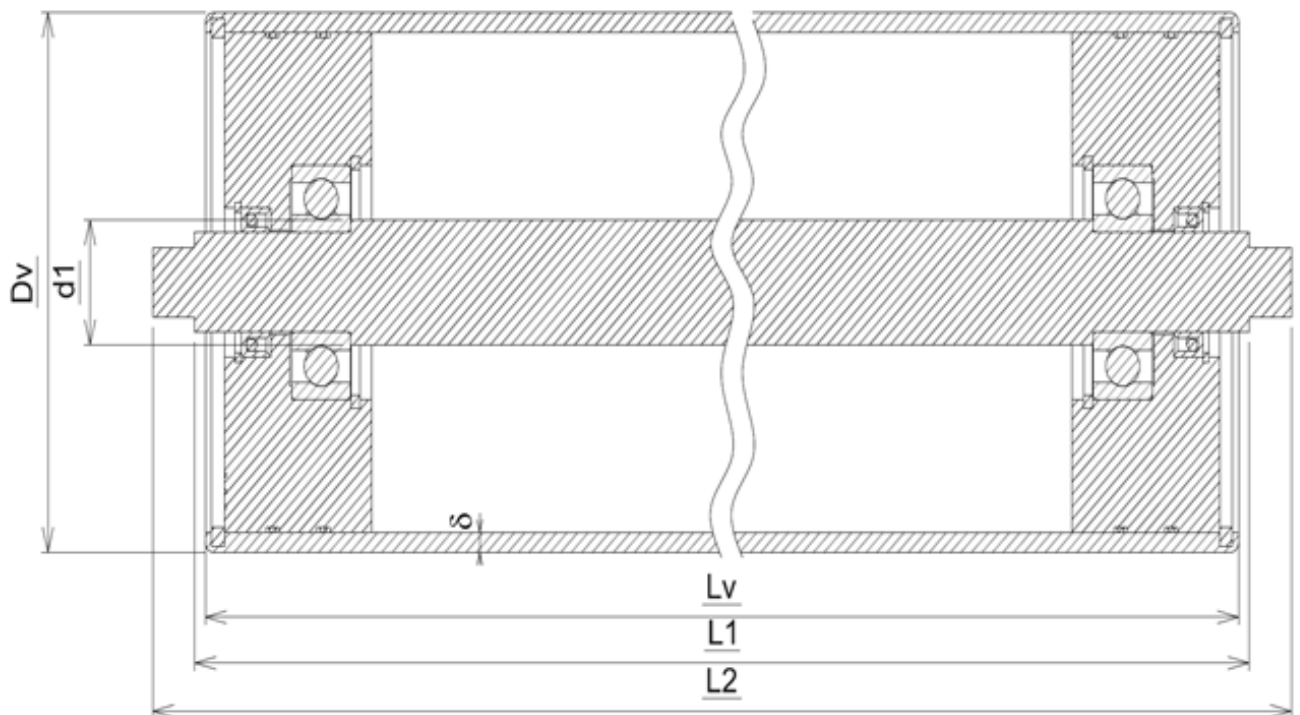
BEST MATERIAL



# TABLE OF NGVZ ROLLERS

## Table for orders

Roller dimensions $D_v \times L_v$	Flange diameter $d_1$	Shaft length $L_1$	Shaft length $L_2$	Order code
$\emptyset 159 \times 750(40)$	42	775	815	BP-GPR-000645
$\emptyset 159 \times 530(40)$	42	555	595	BP-GPR-000466
$\emptyset 159 \times 600(30)$	32	625	655	BP-GPR-000467
$\emptyset 159 \times 380(30)$	32	405	435	BP-GPR-000468
$\emptyset 133 \times 530(30)$	32	555	585	BP-GPR-000471
$\emptyset 133 \times 530(30)$	42	555	595	BP-GPR-000472
$\emptyset 159 \times 530(50)$	55	558	600	BP-GPR-000473



HIGH QUALITY

MAXIMUM PROTECTION

BEST MATERIAL



# RETURN STRAIGHT ROLLER | PGV

Return straight rollers are used to sustain and support the belt during its return section, where the conveyed material tends to stick to the belt or wherever there is a wear problem or tracking problem of the belt itself. They are made of precision steel tubes without inner and outside traces from welding. The main advantage of SKF stainless steel bearings is their resistance to corrosion in moisture and other corrosive environments. These bearings are intended for use in a potentially explosive atmosphere.

The sealing and ingress protection of dust and water is done with specially patented mechanism of flanges. The flanges are made of special antistatic and non-flammable material. Bekto Precisa rollers are mainly intended for use in underground coal mines and also on aboveground coal mines, power plants, quarries, mineral and cement industries, and also iron and steel industries.

The main advantages of BP carrying straight rollers are:

- The patented sealing part, with easy maintenance and replacement,
- The best quality of all components including tubes, shafts, bearings and other components,
- Well and precision machining with minimum tolerance,
- IP65 degree of ingress and water protection,
- Safe construction,
- High efficiency of rollers,
- Economy of use,
- Long working lifetime,
- Ex protection.



## Product technical data

<b>Type</b>	PGV	<b>Ingress protection</b>	IP65
<b>External diameter</b>	Ø108 - Ø133	<b>Ex protection</b>	Ex I M2 II G/2D
<b>Wall thickness</b>	3, 4 [mm]	<b>Axles and steel tube</b>	EN 13463 - 2011
<b>Shaft dimensions</b>	600 - 1460 [mm]	<b>Application</b>	Mining, energy, industry
<b>Shaft diameter</b>	25 - 40 [mm]	<b>Increased capacity</b>	Yes
<b>Temperature range</b>	-35°C to +50°C	<b>Guarantee</b>	1 year
<b>Approval by Federal authorities of BiH</b>	Nr. UP1-16-18-06392/12	<b>Fire resistant</b>	V-0 class UL 94
<b>Directives</b>	94/9/CE (ATEX 95)	<b>Flange</b>	Patent nr. BAP1329656A
<b>Standards</b>	EN 13463-1, EN 13463-5, EN 13501-1 + A1, UL94	<b>Type of steel tube</b>	Seamless precision steel tube
<b>Hermetic sealing against water and dust</b>	Yes	<b>Full product name</b>	Return straight roller PGV

HIGH QUALITY

MAXIMUM PROTECTION

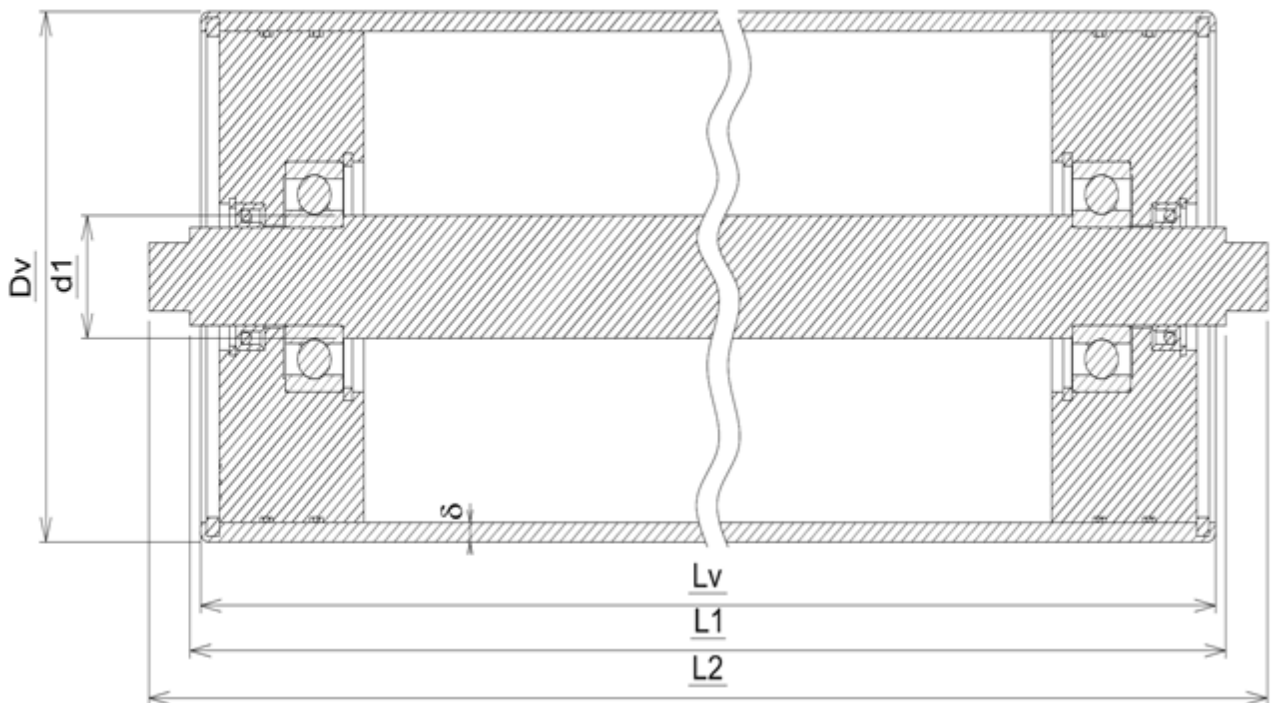
BEST MATERIAL



# TABLE OF PGV ROLLERS

## Table for orders

Roller dimensions $D_v \times L_v$	Flange diameter $d_1$	Shaft length $L_1$	Shaft length $L_2$	Order code
$\emptyset 108 \times 1150$	25	1210	1300	BP-GPR-000446
$\emptyset 108 \times 1150$	25	1156	1180	BP-GPR-000448
$\emptyset 108 \times 950$	25	956	980	BP-GPR-000450
$\emptyset 133 \times 600$	28	610	630	BP-GPR-000452
$\emptyset 108 \times 950$	28	960	980	BP-GPR-000454
$\emptyset 133 \times 1150$	28	1160	1230	BP-GPR-000456
$\emptyset 133 \times 1400$	28	1410	1430	BP-GPR-000458
$\emptyset 108 \times 1150$	25	1180	1200	BP-GPR-000480
$\emptyset 108 \times 1460$	40	1480	1500	BP-GPR-000486
$\emptyset 108 \times 810$	25	820	850	BP-GPR-000487
$\emptyset 108 \times 1210$	25	1230	1250	BP-GPR-000488



HIGH QUALITY

MAXIMUM PROTECTION

BEST MATERIAL



# RETURN STRAIGHT HANGED ROLLER | PGVZ

Return straight rollers in hanging position are used to sustain and support the belt during its return section, where the conveyed material tends to stick to the belt or wherever there is a wear problem or tracking problem of the belt itself. They are made of precision steel tubes without inner and outside traces from welding. The main advantage of SKF stainless steel bearings is their resistance to corrosion in moisture and other corrosive environments. These bearings are intended for use in a potentially explosive atmosphere.

The sealing and ingress protection of dust and water is done with specially patented mechanism of flanges. The flanges are made of special antistatic and non-flammable material. Bekto Precisa rollers are mainly intended for use in underground coal mines and also on aboveground coal mines, power plants, quarries, mineral and cement industries, and also iron and steel industries.

The main advantages of BP carrying straight rollers are:

- The patented sealing part, with easy maintenance and replacement,
- The best quality of all components including tubes, shafts, bearings and other components,
- Well and precision machining with minimum tolerance,
- IP65 degree of ingress and water protection,
- Safe construction,
- High efficiency of rollers,
- Economy of use,
- Long working lifetime,
- Ex protection.



## Product technical data

<b>Type</b>	PGVZ	<b>Ingress protection</b>	IP65
<b>External diameter</b>	Ø108 - Ø159	<b>Ex protection</b>	Ex I M2 II G/2D
<b>Wall thickness</b>	4, 8 [mm]	<b>Shaft and steel tube</b>	EN 13463 - 2011
<b>Shaft dimensions</b>	315 - 900 [mm]	<b>Application</b>	Mining, energy, industry
<b>Shaft diameter</b>	32 - 55 [mm]	<b>Increased capacity</b>	Yes
<b>Temperature range</b>	-35°C - +50°C	<b>Guarantee</b>	1 year
<b>Approval by Federal</b>	Nr. UP1-16-18-06392/12	<b>Fire resistant</b>	V-o class UL 94
<b>Directives</b>	94/9/CE (ATEX 95)	<b>Flange</b>	Patent nr. BAP1329656A
<b>Standards</b>	EN 13463-1, EN 13463-5, EN 13501-1 + A1, UL94	<b>Type of steel tube</b>	Seamless precision steel tube
<b>Hermetic sealing against water and dust</b>	Yes	<b>Full product name</b>	Return straight hanged roller PGVZ

HIGH QUALITY

MAXIMUM PROTECTION

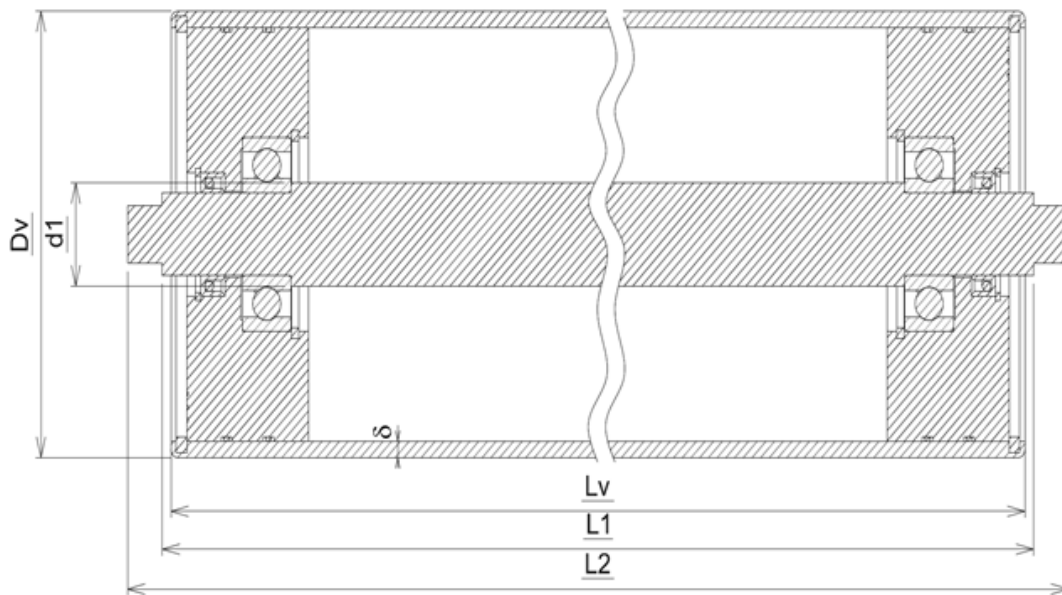
BEST MATERIAL



# TABLE OF PGVZ ROLLERS

Table for orders

Roller dimensions $D_v \times L_v$	Flange diameter $d_1$	Axle length $L_1$	Axle length $L_2$	Order code
$\emptyset 159 \times 380(50)$	55	410	460	BP-GPR-000469
$\emptyset 159 \times 315(40)$	45	340	380	BP-GPR-000470
$\emptyset 108 \times 900(30)$	32	925	955	BP-GPR-000474



HIGH QUALITY

MAXIMUM PROTECTION

BEST MATERIAL

