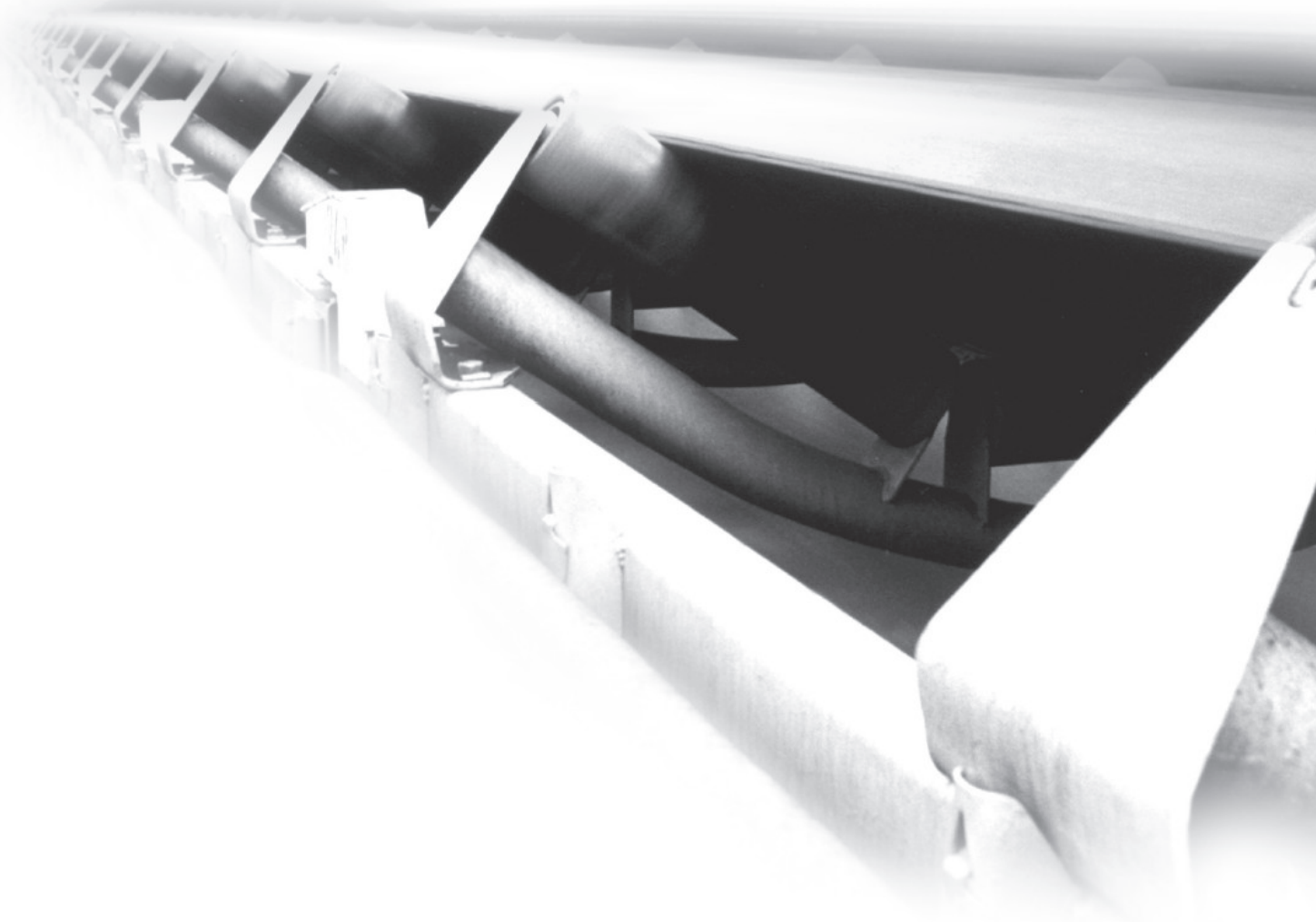




CATALOGUE

**ROLLERS, ROLLER GARLANDS
AND IDLER STATIONS
FOR BELT CONVEYORS**



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TABLE OF CONTENTS

Foreword	3
Rollers	5
Technical conditions - Rollers	6-12
Flat rollers	13
ø63 × L / 6204	14
ø76 × L / 6204	15
ø89 × L / 6204	16
ø89 × L / 6305	17
ø108 × L / 6204	18
ø108 × L / 6305	19
ø133 × L / 6204	20
ø133 × L / 6305	21
ø133 × L / 6306	22
ø159 × L / 6306	23
ø159 × L / 6308	24
ø194 × L / 6310	25
ø194 × L / 6312	26
Guide rollers	27
øD × L / 6204	28
ø108 × L / 6206	29
øD × L / M / 6204	30
øD × L / M / 6306	31
ø133 × L / 6308	32
Rubber-lagged rollers	33
ø108/76 × L / 6204	34
ø133/89 × L / 6204	35
Impact rollers	37
ø108/63 × L / 6204	38
ø133/89 × L / 6204	39
ø159/89 × L / 6306	40
ø194/108 × L / 6308	41
ø245/133 × L / 6310	42
Disc rollers	43
ø108/63 × L / 6204	44
ø133/63 × L / 6204	45
ø133/89 × L / 6204	46
ø159/89 × L / 6305	47
ø159/89 × L / 6306	48
ø194/108 × L / 6308	49
ø194/108 × L / 6308	50
ø245/133 × L / 6310	51

Garland Stations	53
Technical conditions - Garland stations	54-55
Top garland stations	57
GCH 89, 108 / 6204	58
GLT 133 / 6306	59
GLZ 133 / 6306	60
GOHZ 133 / 6306	61-62
GLT 159 / 6308	63
GLZ 159 / 6308	64
GOHZ 159 / 6308	65
GLT 194 / 6310, 6312	66
GLZ 194 / 6312	67
GLTZ 194 / 6312	68
GOHZ 194 / 6312	69
Bottom garland stations	71
GLRD 159 / 89 / 6306	72
GLRV 159 / 89 / 6306	73
GORD 159 / 89 / 6306	74
GORV 159 / 89 / 6306	75
GLRD 194 / 108 / 6308	76
GLRV 194 / 108 / 6308	77
GORD 194 / 108 / 6308	78
GORV 194 / 108 / 6308	79
GLRD 245 / 133 / 6310	80
GORD 245 / 133 / 6310	81
Idler Stations	83
Technical conditions - Idler Stations	84-86
Single-roller station	87
Two-roller station	88
Two-roller centering station	89
Three-roller station	90
Three-roller trough-forming station	91
Three-roller troughing station	92
Three-roller trough-forming centering station	93
Self-aligning station for upper line	94
Lower roller brackets	95
Tube station	96
Tube trough-forming station	97
Impact dual-tube station	98
Self-aligning station for upper line	99-100

FOREWORD

Products listed in this catalogue are intended for following purposes:

- spare parts for belt conveyors already in operation
- assembly components for manufacturers of complete belt conveyors

General instructions for using this catalogue

When specifying your particular needs it is necessary to take especially following points into consideration:

- transport belt width
- width of the supporting structure, in case of garland stations also the type of suspension onto belt conveyor supporting structure
- working environment where the rollers are to be used

Surface finish and ordering examples are mentioned in every catalogue sheet.

Beside length options offered in our catalogue we are also ready to manufacture other lengths according to your particular requirements and assignment.

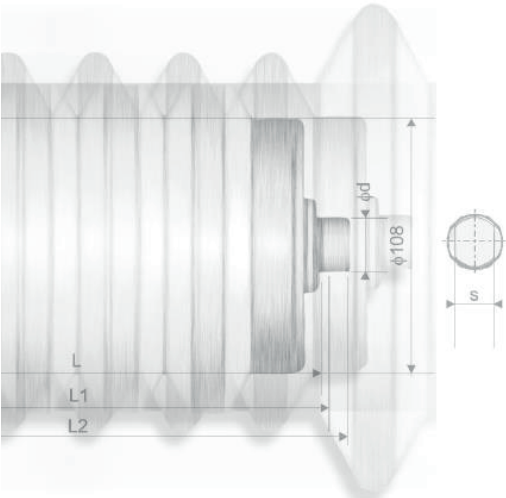
Non-standard roller finish

If you will not find the roller required for your special need in our catalogue, please refer to our sales department which will elaborate a proposition for a non-standard solution.

Please give the following data in your demand:

- roller type (flat, impact rubber lagged, impact disc, or possibly in garland finish) or garland station type providing the suspension type (e.g. GLK, GLD ...)
- working environment where the rollers or garland stations are to be operated
- required roller material (steel, stainless steel) and surface finish
- required dimensions:
 - roller diameter
 - shell length
 - shaft length
 - shaft diameter, bearing size, or bearing cover (2Z, 2RS; in single row bearings)
 - mating dimensions (axis mounting, spacing, width and length of flattening, axis hole diameter and spacing between the holes in garland rollers)
- required number of pieces and delivery date

ROLLERS



Technical specifications

Components for belt conveyors

Document number: TP - 01/22

1 Introduction

- 1.1 These technical conditions (hereafter referred to as "TC" only) are valid for smooth rollers of nominal diameter 63 – 194 mm, for impact rollers $\varnothing$ 89 – 245, disc rollers $\varnothing$ 108 – 245 and guide rollers $\varnothing$ 63 – 133 used for solid and garland platforms of belt conveyors for belt width B = 400 – 2200 mm.
- 1.2 These TC do not relate to rollers for rollways, to special machines and for non-standard applications of rollers (location, load, special working environment on garbling places, on excavators and on dumping machines). Any non-standard application should be consulted with the producer in regard to exact specification of the roller's attributes.
- 1.3 The validity of these TC is in conformity with extent of rollers according to standard ISO 1537 (ČSN 261102) with completing of rollers' dimensions (diameters, dimensions of axes ends) according to Transroll - catalogue „ROLLERS AND GARLAND STATIONS FOR BELT CONVEYORS“ (hereafter referred to as "catalogue" only).
- 1.4 The suitability of rollers of different dimensions (e.g. of atypical rollers with bearings of 223xx series) and of rollers used according to par. 1.2. is determined by the designer of transporter and machine.
The operation warranty stated in par. 5.7. does not apply for such rollers and garland platforms. In this case the producer provides the warranty for each individual order based on consultation with the customer.
- 1.5 These TC describe the recent state. TC and all valid changes of products' parameters take priority over technical conditions given in the Catalogue of producer, which are for general orientation purposes only.

2 Roller description

2.1 Delivered types of rollers

The basic types are mentioned here only. More detailed overview to be found in the catalogue.

2.1.1 FLAT ROLLERS

are used for the upper or lower branch of belt transporter. They are produced with two stage (three stage in case of 6305, 6306 and 6308 bearings) HDPE labyrinth sealing, see the pic. 1 – 3.

The sealing is used in roller according to:

- pic. 1 is used for as standard for rollers with 6204, 6205, 6206 bearings
- pic. 2 is used for as standard for rollers with 6308, 6305, 6306 bearings
- pic. 3 is used for as standard for rollers with 6310, 6312 bearings

Obr. 1



Obr. 2



Obr. 3



Flat rollers in standard version are not suitable for transition, folding or other exposed locations of the transporter, if the application was not directly consulted with the distributor of the rollers and/or with the designer of transporter and rollers.

2.1.2 IMPACT ROLLERS

are designed for locations with direct impact of material on the belt, the maximal height of fall = belt width.

For hoppers with higher fall out and for material of greater size of grains the rollers with 223xx series bearings should be used. The designer of transporter decides on their use. Produced types:

- rubber coated $\varnothing$ 88-133
- with rubber rings $\varnothing$ 89-245

The rings are secured with steel rings on each end of the roller.
They are delivered with sealing according to pic. 1 – 3

2.1.3 DISC ROLLERS

$\varnothing$ 108 – 245 for the lower return branch of the conveyor.

They are produced with labyrinth sealing, see the pic. 1 – 3. The arrangement of discs is either uniform, or concentrated on one or on both sides of the roller. The discs can be:

- reinforced with wire ring (assembly without spacers)
- without reinforcing, wave shaped, assembled with spacers or one directly next to each other.

2.1.4 GUIDE ROLLERS

$\varnothing$ 63 – 133 - they are used for regulation, guiding of belt.

They are produced with labyrinth sealing, see pic. 1 – 3.

2.2 The design of the rollers

2.2.1 The shell of roller is produced from steel lengthwise welded or seamless tube of tensile strength at least 340 MPa. The dimensional deviations are determined by the standards of tube producer. The tube surface of rubber coated roller has a rubber layer of 60 ± 5 °ShA hardness.

The steel shell of disc and rubber-lagged rollers is provided with discs or rings of 60 ± 5 °ShA hardness, in case of PU discs of 90 ± 2 °ShA hardness.

These standard parameters can be modified after consulting the producer.

2.2.2 The roller shaft is from round steel of tensile strength min. 500 MPa. The bearing fit has the tolerance h6. Surface roughness for bearing fit on the shaft is Ra 0,8.

2.2.3 The bearing housings are produced as either:

- pressed from sheet metal
- machined from forged metal piece (for rollers $\varnothing$ 159 with bearings 6308 and 6310
- and rollers $\varnothing$ 194 with bearings 6308, 6310 and 6312)
- machined from thick walled tube

Bearing housings are non-detachably connected with the shell by welding or by flashing.

- 2.2.4 **The bearing sealing** against impurities and defluent water is made as labyrinth sealing from plastic, UV radiation resistant in version with fire resistance, pic. 1–3, for 6204–6312 bearings.
- 2.2.5 The bearings are radial ball bearings of size 6204 – 6312 in C3 version, with permanent grease filling (for the whole lifetime of roller). The rollers could be provided with covered bearings of type Z, 2Z, RS, 2RS.

3 Main dimensions

- 3.1 The main recommended dimensions of rollers according to types in standard ISO 1537 are delivered in the extent given in the Transroll catalogue „ROLLERS AND GARLAND STATIONS FOR BELT CONVEYORS“.
- 3.2 Besides the catalogue rollers TRANSROLL is also capable of delivering a range of custom made rollers on request.

4 Technical data

- 4.1 **Working environment** – the rollers are designed for use in external environment at temperatures –32 / +45°C (for temperatures below –20°C a special grease should be used) with combination of chemical and mechanical impurities IE41, with max. absolute humidity 22 g/m3 and in an external environment with corrosive aggression C4 according to ISO 9223 – strong corrosion aggression and high level of dust.
These standard solutions can be modified after consulting the producer.
- 4.2 **Recommended transport belt velocities** for flat rollers are depending on the diameter øD:

Dimension/ bearing	Transport velocity [m/s]	Roller RPM
ø 63 / 6204	2,00	602
ø 89 / 6204	3,15	676
ø 102 / 108 / 6204	3,15	654 / 590
ø 133 / 6204	3,50	502
ø 108 / 133 / 6205, 6305	3,50	618 / 502
ø 133 / 159 / 6306	4,50	645 / 540
ø 133 / 159 / 6308	5,00	718 / 601
ø 194 / 6310, 6312	6,30	620

The recommended transport velocities of disc rollers are same as at smooth rollers with same bearing.

The rollers for velocities greater than 6,3 m/s should be dynamically balanced (must be agreed with the producer in advance and specified in the order).

- 4.3 **Transported material** – bulk, unsorted material of defined granularity and specific weight of 1.4 t/m³ for rollers up to ø 76 mm and 2.1 t/m³ for rollers with diameter greater than ø 76 mm.

B [mm]	400	500	650	800	1000	1200	1400	1600	1800	2000
Max. grain size [mm]	100	150	250	300	400	500	600	675	750	800

- 4.4 **Rotation resistance**

The value of rotation resistance measured on the roller perimeter is depending on the roller diameter, the sealing type, the bearing fitting, the quantity of grease filling, the size and rotation speed of the bearing. Following rotations resistance values are to be measured and reached in use:

Rozměr/ložisko	v [m/s]	otáčky [n/min.]	Rotační odpor [N]
ø 63/6204	2,0	602	3,5
ø 89/6204	3,15	676	2,7
ø 102/108/6204	3,5	654/618	2,3
ø 133/6204	3,5	502	1,4
ø 108/133/6305	3,5	618/502	3,3
ø 133/159/6306	4,0	645/540	3,9
ø 159/6308	5,5	661	5,4
ø 194/6310	6,3	620	6,4
ø 194/6312	6,3	620	9,0

The rotation resistance of rollers are determined after a 20 minute of operation.

(The mentioned values are valid for rollers with bearings without cover. The rotation resistance is increased for all rollers with covered bearings type Z, 2Z, RS, 2RS by the rotation resistances of bearing covers.)

- 4.5 Lifetime of a roller is assumed for normally loaded rollers and under conditions in compliance with the par. 4 of these TC. Average calculated lifetime of a roller is 30 000 hours of operation for no more than 5 years from the day of production. Roller lifetime is calculated in regard to the lifetime of bearing, specific operation conditions (load, belt velocity, dust, character of transported material), effectiveness of used sealing, lifetime of lubricating grease and time period of storing. The average lifetime means that at least 90% of delivered rollers achieve the determined lifetime. The lifetime is valid in case the rollers were put into operation no more than 6 months from delivery date and after being stored in compliance with storing conditions determined in the par. 5.6. The rollers thus cannot mbe exposed to extreme climatic conditions during storage.

Wear of rubber parts is not covered by the roller lifetime. The producer recommends using rollers with greater number of discs for transport of abrasive material. This solution is to be consulted with and approved by the producer.

These standard parameters can be modified after consulting the producer.

- 4.6 **The load of rollers** – the rollers are designed for a load corresponding to fully filled belt profile by bulk material with spacing of supporting stations 1 m, at specific weight max 2.1 t/m³ and granularity according to par. 4.3

5.7 **Warranty**

Unless otherwise agreed, the producer provides a warranty for a period of 24 months from the date of putting into operation if all provisions of these TC are complied with and the rollers are put into operation up to 6 months from the delivery date.

All possible claims are under the Transroll Claim Procedure.

6 **The operational conditions**

- 6.1 **The assembly of rollers** into idler stations can be performed by authorized persons only and according to rules of organization that performs the assembly or conveyor operator. The assembly should be carried out with increased attention. The rollers must be installed perpendicular to the belt movement; roller axes in one line. Unsuitable roller positioning (e.g. overlapping, or deliberate misalignment in order to achieve centering of belt) significantly decreases roller lifetime (the lifetime of bearings and shell surface).

The correct positioning of rollers should be checked by manual rotation before placing the belt.

6.2 **Replacing of rollers**

The rollers should be inspected during operation. Rollers showing signs of whistling, wrong rotation, excessive heating, increased radial and axial play, rollers with worn or deformed shell or rubber coating, should be marked and replaced as soon as possible.

6.3 **Maintenance of roller stations**

The conveyor should be maintained so that the run is regular and continuous. Rollers must be installed on all idler station positions. The station must remain clear from dropped material and the rollers must not be blocked by the transported material.

- 6.4 **Replacing of rollers and manipulation** with the rollers during conveyor operation is strictly forbidden.

- 6.5 **The special requirements** for operation of rollers in extreme conditions (very high or very low temperatures, high dustiness, transport of abrasive material, material with big lump size and the use of rollers in unsuitable places), should be specified in the inquiry and later in the following order.

7 **Disposal**

- 7.1 At termination of roller service, proceed in accordance with waste management law and ensure an ecological way of waste disposal. Adhere to waste recycling rules, and detach rubber or plastic components from the roller.



5 Commercial technical data

5.1 **Ordering** – see the Demand sheet on www.transroll.cz

The delivery of rollers not contained in the catalogue (variations in length, modifications of shaft ends, ...) should be consulted with the sales department individually. Displacement and number of discs must be clarified for disc rollers. Requirements for improved attributes of rollers (run out, balancing, painting, and other) must be declared in the inquiry.

5.2 **Surface treatment**

Rollers with bearing 6204 are standardly covered with powder coating RAL 3000, rollers with 6205 and higher bearing class (6305, 6306, ...) are standardly treated with a single layer of synthetic anticorrosive primer black paint. These standard solutions can be modified after consulting the producer.

Roller surface treatment with different paint type, for instance with synthetic covering paint, with zinc coated surface etc. should be consulted with the producer

5.3 **Delivery docs and packagin**

Rollers are delivered bound on pallets 800 x 1200 mm. Garlands are delivered disassembled on pallets 800 x 1200 mm. The garland platforms can be delivered assembled after agreeing with the producer.

Delivery notes issued by the producer are part of the delivery. Other documentation is provided based on an agreement with the producer.

A different type of packaging (for instance into boxes) should be discussed with the producer and specified in the order.

5.4 **Marking**

The rollers are marked with logo of the producer, with month and year of production. The marking is located either on the bearing housing, on the sealing cover, or on the shaft.

Each pallet or box is marked with a label displaying roller description, dimensions of roller, roller drawing no. and the date of the output approval.

5.5 **Acceptance** – customer acceptance test are not executed, unless otherwise agreed.

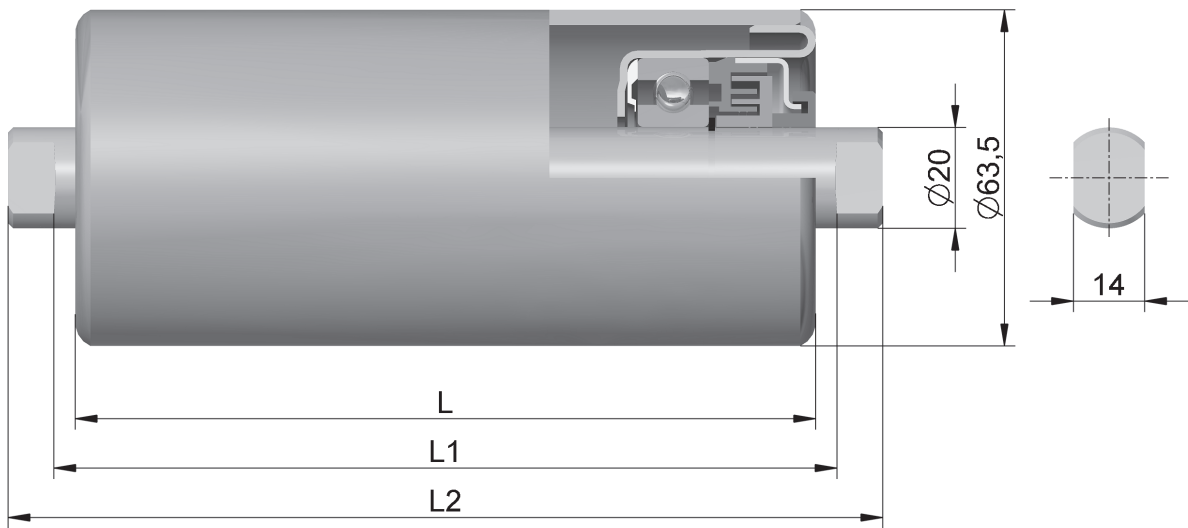
5.6 **Storage and handling**

The rollers must be stored in horizontal position, in roofed and dry place on solid floor. Rollers with rubber lagging shall be protected from direct sunlight. The producer does not recommend storing for more than 6 months.

Rollers shall be handled carefully to prevent shaft impacts, sealing deformation or dropping to ground.

FLAT ROLLERS

	FLAT ROLLER ø63 × L / 6204	Type: 20024
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- steel pipe shell with the wall thickness 3 mm
- faces of drawn steel sheet welded in the shell
- ball bearings 6204 C3
- multi-stage two-chamber labyrinth seal with grease prechamber

For garland type and belt width:			Name – size: Flat roller 63×L/6204	Drawing no.	Dimensions [mm]		Weight [kg]	
					L1	L2	Rot. parts	Total
		400	63×160 / 6204	3-20024-00136	168	186	1,0	1,6
		500	63×200 / 6204	3-20024-00026	208	226	1,2	1,9
	400	650	63×250 / 6204	3-20024-00049	258	276	1,4	2,2
	500		63×315 / 6204	3-20024-00029	323	341	1,7	2,7
	650		63×380 / 6204	3-20024-00030	388	406	2,0	3,1
400			63×500 / 6204	3-20024-00045	508	546	2,5	4,0
500			63×600 / 6204	3-20024-00054	608	646	2,9	4,7
650			63×750 / 6204	3-20024-00060	758	796	3,6	5,7
800			63×950 / 6204	3-20024-00047	958	996	4,5	7,1

Other lengths, shafts and coatings are available on request.

Surface finish:

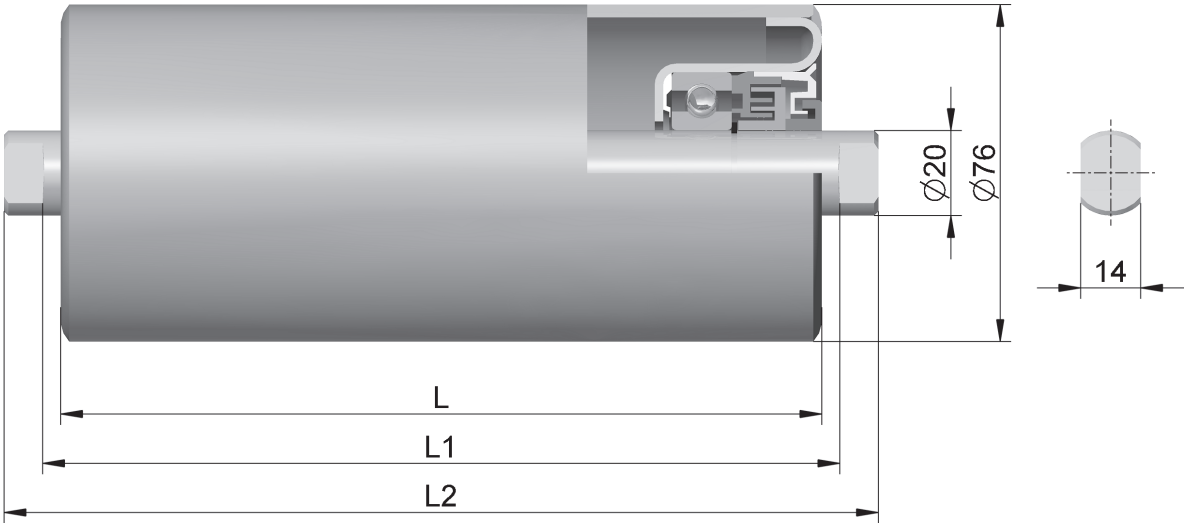
polyester powder coating RAL3000

Ordering example:

Name, size, drawing no., quantity (pcs)

Flat roller 63x200 / 6204, 3-20024-00026, 200 pieces

	FLAT ROLLER ø76 × L / 6204	Type: 20034
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- steel pipe shell with the wall thickness 3 mm
- faces of drawn steel sheet welded in the shell
- ball bearings 6204 C3
- multi-stage two-chamber labyrinth seal with grease prechamber

For garland type and belt width:			Name – size: Flat roller 76×L/6204	Drawing no.	Dimensions		Weight [kg]	
					L1	L2	Rot. parts	Total
		400	76×160 / 6204	3-20034-00163	168	186	1,2	1,8
		500	76×200 / 6204	3-20034-00164	208	226	1,5	2,2
	400	650	76×250 / 6204	3-20034-00165	258	276	1,7	2,5
	500		76×315 / 6204	3-20034-00142	323	341	2,1	3,1
	650		76×380 / 6204	3-20034-00143	388	406	2,4	3,6
			76×465 / 6204	3-20034-00307	473	491	2,9	4,2
400			76×500 / 6204	3-20034-00167	508	546	3,1	4,5
500			76×600 / 6204	3-20034-00144	608	646	3,6	5,3
650			76×750 / 6204	3-20034-00145	758	796	4,4	6,5
800			76×950 / 6204	3-20034-00162	958	996	5,5	8,1
1000			79×1150 / 6204	3-20034-00261	1158	1196	6,6	9,6

Other lengths, shafts and coatings are available on request.

Surface finish:

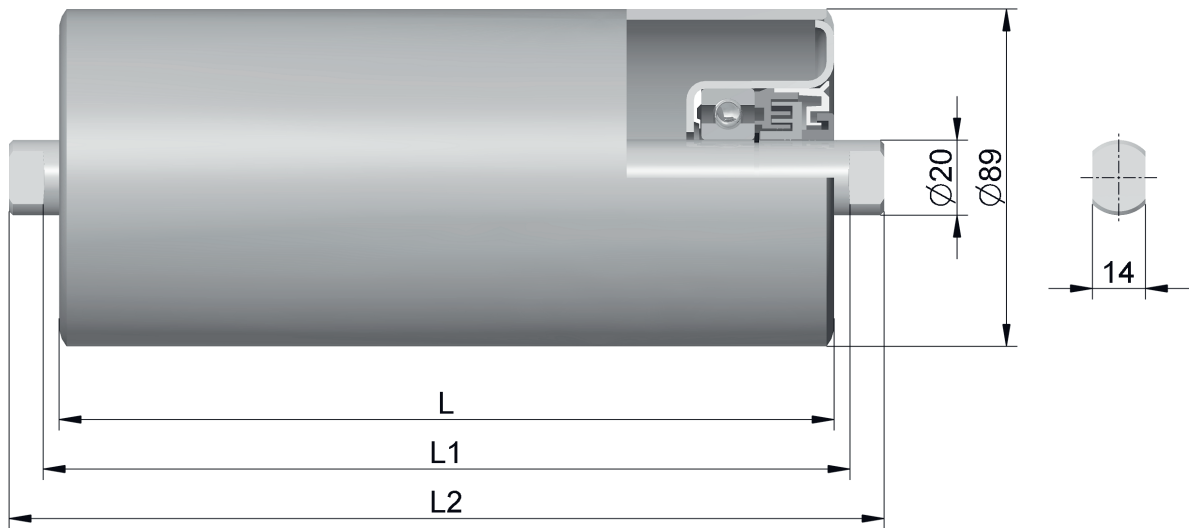
polyester powder coating RAL3000

Ordering example:

Name, size, drawing no., quantity (pcs)

Flat roller 76×200 / 6204, 3-20034-00164, 200 pieces

	FLAT ROLLER ø89 × L / 6204	Type: 20044
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- steel pipe shell with the wall thickness 3 mm
- faces of drawn steel sheet welded in the shell
- ball bearings 6204 C3
- multi-stage two-chamber labyrinth seal with grease prechamber

For garland type and belt width:			Name - size: Flat roller 89×L/6204	Drawing no.	Dimensions [mm]		Weight [kg]	
					L1	L2	Rot. parts	Total
		400	89×160 / 6204	3-20044-00477	168	186	1,4	2,0
		500	89×200 / 6204	3-20044-00227	208	226	1,7	2,4
	400	650	89×250 / 6204	3-20044-00259	258	276	2,0	2,8
		*800	89×300 / 6204	3-20044-00255	308	326	2,3	3,2
	500	800	89×315 / 6204	3-20044-00257	323	341	2,4	3,4
	650		89×380 / 6204	3-20044-00262	388	406	2,8	3,9
	800		89×465 / 6204	3-20044-00264	473	491	3,3	4,7
400			89×500 / 6204	3-20044-00478	508	546	3,6	5,0
500			89×600 / 6204	3-20044-00246	608	646	4,2	5,9
	1200		89×670 / 6204	3-20044-00290	678	716	4,6	6,5
650			89×750 / 6204	3-20044-00275	758	796	5,1	7,2
*800			89×900 / 6204	3-20044-00226	908	946	6,1	8,6
800			89×950 / 6204	3-20044-00281	958	996	6,4	9,0
1000			89×1150 / 6204	3-20044-00266	1158	1196	7,7	10,8

Other lengths, shafts and coatings are available on request.

Surface finish:

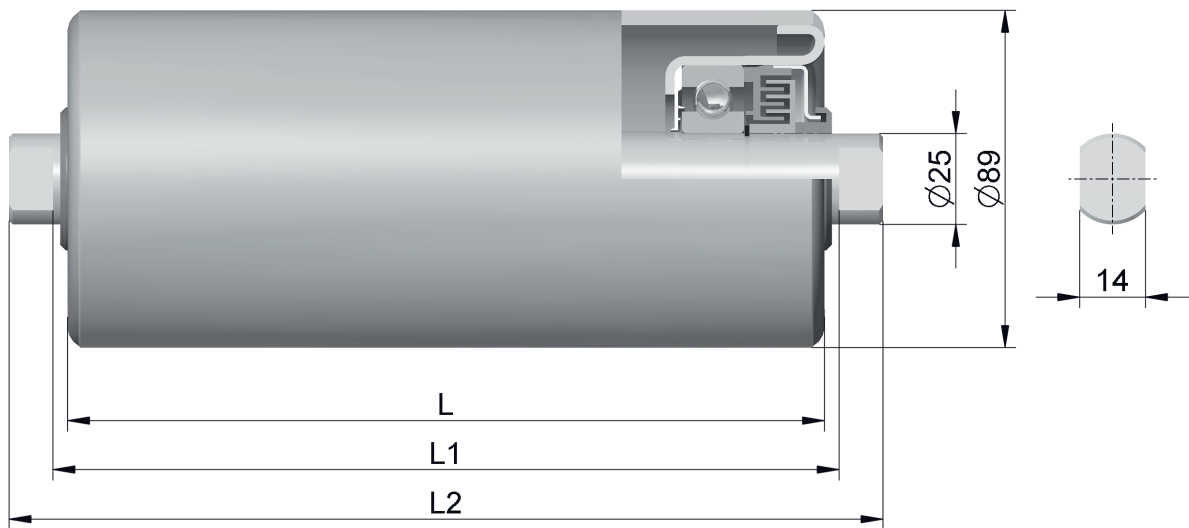
polyester powder coating RAL3000

Ordering example:

Name, size, drawing no., quantity (pcs)

Flat roller 89×200 / 6204, 3-20044-00227, 200 pieces

	FLAT ROLLER ø89 × L / 6305	Type: 20044
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- steel pipe shell with the wall thickness 4 mm
- faces of drawn steel sheet welded in the shell
- ball bearings 6305 C3
- multi-stage two-chamber labyrinth seal with grease prechamber

For garland type and belt width:			Name - size: Flat roller 89×L/6305	Drawing no.	Dimensions [mm]		Weight [kg]	
					L1	L2	Rot. parts	Total
		800	89×315 / 6305	3-21174-06165	323	341	3,3	5,0
		1000	89×380 / 6305	3-21174-06170	388	406	3,9	5,8
		1200	89×465 / 6305	3-21174-06121	473	491	4,6	6,9
		1400	89×530 / 6305	3-21174-06158	538	556	5,1	7,7
800			89×950 / 6305	3-21174-06125	958	996	8,6	13,0
1000			89×1150 / 6305	3-21174-06126	1158	1196	10,3	15,5
1200			89×1400 / 6305	3-21174-06128	1408	1446	12,4	18,7
1400			89×1600 / 6305	3-21174-06130	1608	1646	14,1	21,2

Other lengths, shafts and coatings are available on request.

Surface finish:

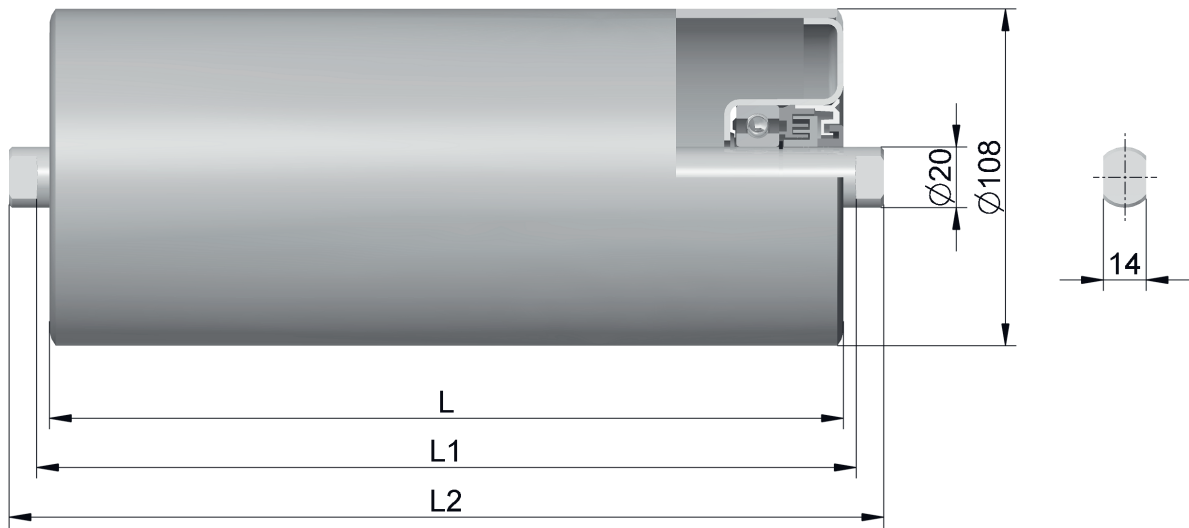
anti-corrosive primer synthetic coating - black

Ordering example:

Name, size, drawing no., quantity (pcs)

Flat roller 89×380 / 6305, 3-21174-06170, 200 pieces

	FLAT ROLLER ø108 × L / 6204	Type: 20054
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- steel pipe shell with the wall thickness 3 mm
- faces of drawn steel sheet welded in the shell
- ball bearings 6204 C3
- multi-stage two-chamber labyrinth seal with grease prechamber

For garland type and belt width:			Name - size: Flat roller 108×L/6204	Drawing no.	Dimensions [mm]		Weight [kg]	
					L1	L2	Rot. parts	Total
		400	108×160 / 6204	3-20054-00535	168	186	1,7	2,3
		500	108×200 / 6204	3-20054-00122	208	226	2,0	2,7
		650	108×250 / 6204	3-20054-00123	258	276	2,4	3,2
		800	108×315 / 6204	3-20054-00125	323	341	2,9	3,9
		1000	108×380 / 6204	3-20054-00127	388	406	3,4	4,6
		1200	108×465 / 6204	3-20054-00129	473	491	4,1	5,4
400			108×500 / 6204	3-20054-00853	508	546	4,3	5,8
500			108×600 / 6204	3-20054-00544	608	646	5,1	6,8
650			108×750 / 6204	3-20054-00380	758	796	6,3	8,4
800			108×950 / 6204	3-20054-00555	958	996	7,8	10,4
1000			108×1150 / 6204	3-20054-00146	1158	1196	9,4	12,5
1200			108×1400 / 6204	3-20054-00149	1408	1446	11,3	15,0

Other lengths, shafts and coating are available on request.

Surface finish:

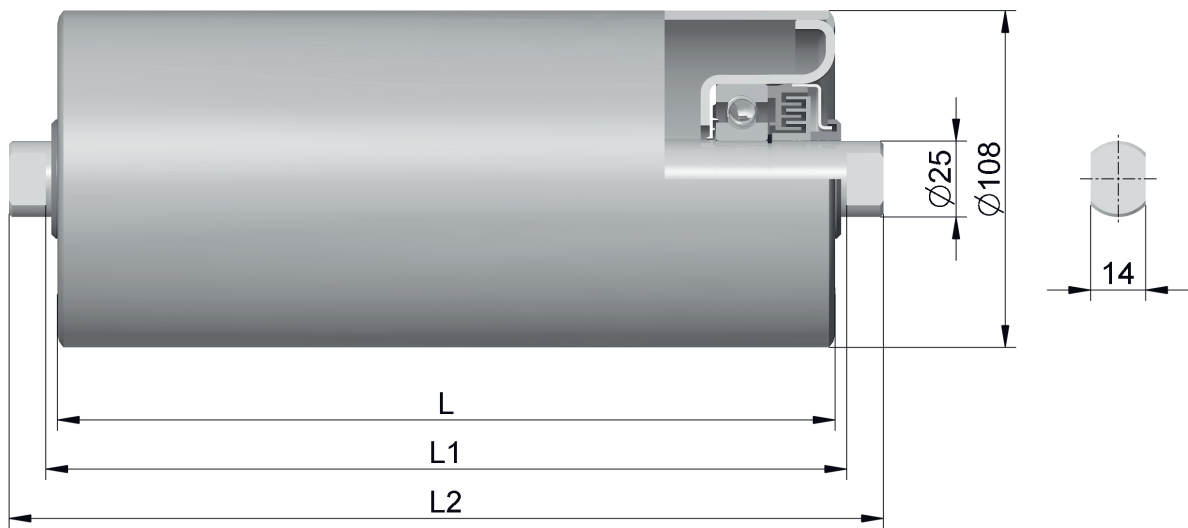
polyester powder coating RAL3000

Ordering example:

Name, size, drawing no., quantity (pcs)

Flat roller 108×200 / 6204, 3-20054-00122, 200 pieces

	FLAT ROLLER ø108 × L / 6305	Type: 20054
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- steel pipe shell with the wall thickness 3 mm
- faces of drawn steel sheet welded in the shell
- ball bearings 6305 C3
- multi-stage two-chamber labyrinth seal with grease prechamber

For garland type and belt width:			Name - size: Flat roller 108×L/6305	Drawing no.	Dimensions [mm]		Weight [kg]	
					L1	L2	Rot. parts	Total
		500	108×200 / 6305	3-20054-00302	208	226	2,5	3,7
		650	108×250 / 6305	3-20054-00304	258	276	2,8	4,3
		800	108×315 / 6305	3-20054-00306	323	341	3,3	5,0
		1000	108×380 / 6305	3-20054-01181	388	406	3,8	5,8
		1200	108×465 / 6305	3-20054-01187	473	491	4,5	6,8
		1400	108×530 / 6305	3-20054-01190	538	556	5,0	7,6
500			108×600 / 6305	3-20054-00300	608	646	5,6	8,5
650			108×750 / 6305	3-20054-01191	758	796	6,7	10,3
800			108×950 / 6305	3-20054-01192	958	996	8,3	12,7
1000			108×1150 / 6305	3-20054-00297	1158	1196	9,8	15,0
1200			108×1400 / 6305	3-20054-01193	1408	1446	11,8	18,0
1400			108×1600 / 6305	3-20054-01194	1608	1646	13,3	20,4

Other lengths, shafts and coatings are available on request.

Surface finish:

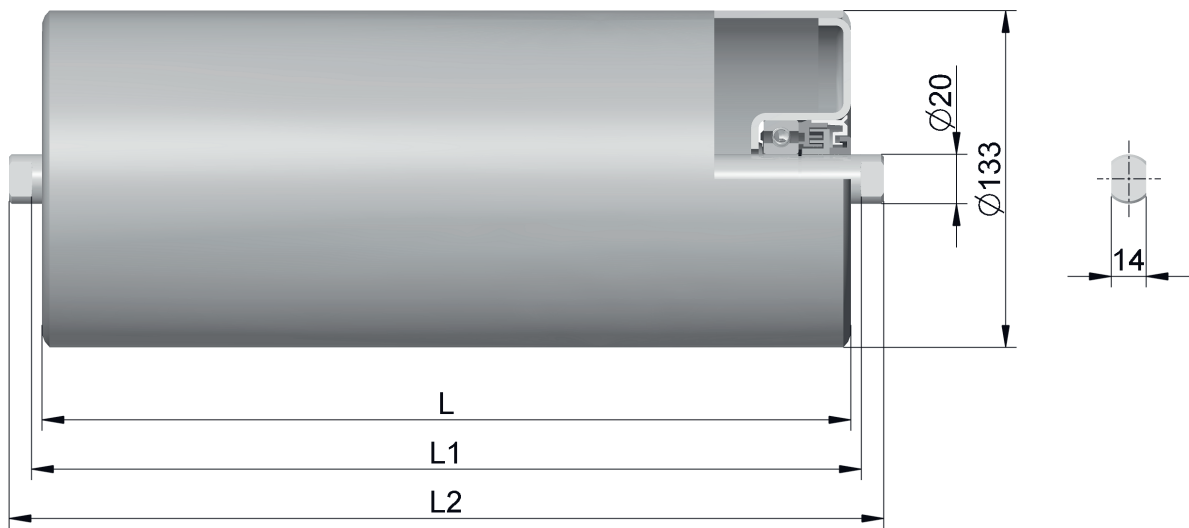
anti-corrosive primer synthetic coating - black

Ordering example:

Name, size, drawing no., quantity (pcs)

Flat roller 108×380 / 6305, 3-20054-01181, 200 pieces

	FLAT ROLLER ø133 × L / 6204	Type: 20064
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- steel pipe shell with the wall thickness 3 mm
- faces of drawn steel sheet welded in the shell
- ball bearings 6204 C3
- multi-stage two-chamber labyrinth seal with grease prechamber

For garland type and belt width:			Name - size: Flat roller 133×L/6204	Drawing no.	Dimensions [mm]		Weight [kg]	
					L1	L2	Rot. parts	Total
		800	133x315/6204	3-20064-00110	323	341	3,9	4,9
		1000	133x380/6204	3-20064-00116	388	406	4,6	5,7
		1200	133x465/6204	3-20064-00120	473	491	5,4	6,7
		1400	133x530/6204	3-20064-00124	538	556	6,0	7,5
	1000		133x600/6204	3-20064-00127	608	626	6,7	8,3
	1200		133x670/6204	3-20064-00130	678	696	7,3	9,2
	1400		133x750/6204	3-20064-00134	758	776	8,1	10,2
800			133x950/6204	3-20064-00139	958	996	10,0	12,6
1000			133x1150/6204	3-20064-00145	1158	1196	11,9	15,0
1200			133x1400/6204	3-20064-00148	1408	1446	14,3	18,0
1400			133x1600/6204	3-20064-00150	1608	1646	16,3	20,4
1600			133x1800/6204	3-20064-00754	1808	1846	18,2	22,9

Other lengths, shafts and coatings are available on request.

Surface finish:

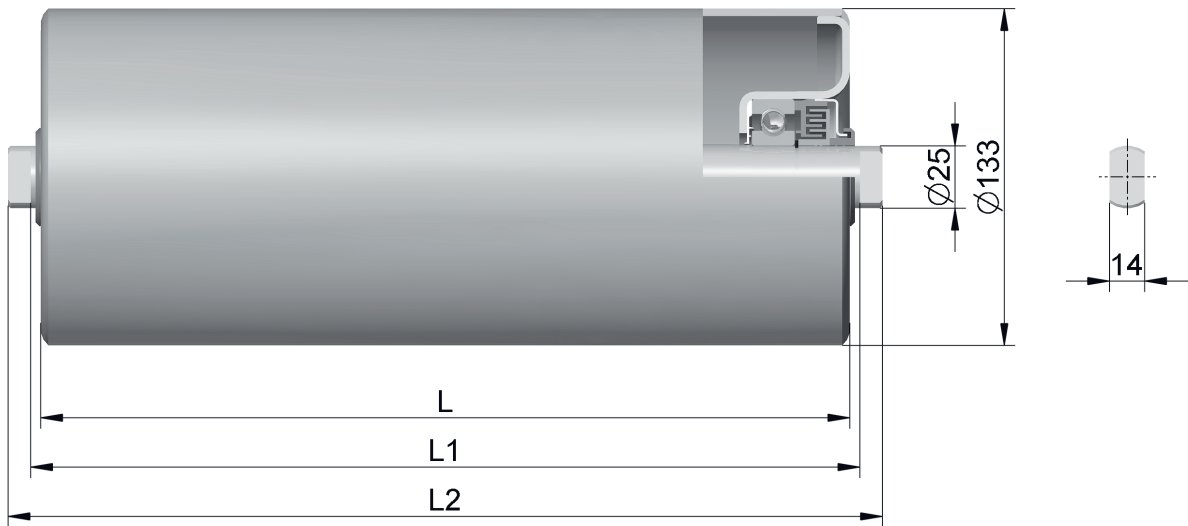
polyester powder coating RAL3000

Ordering example:

Name, size, drawing no., quantity (pcs)

Flat roller 133×380 / 6204, 3-20064-00116, 200 pieces

	FLAT ROLLER ø133 × L / 6305	Type: 20064
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- steel pipe shell with the wall thickness 3 mm
- faces of drawn steel sheet welded in the shell
- ball bearings 6305 C3
- multi-stage two-chamber labyrinth seal with grease prechamber

For garland type and belt width:			Name - size: Flat roller 133×L/6305	Drawing no.	Dimensions [mm]		Weight [kg]	
					L1	L2	Rot. parts	Total
		800	133×315 / 6305	3-20064-00202	323	341	4,2	5,9
		1000	133×380 / 6305	3-20064-00204	388	406	4,8	6,8
		1200	133×465 / 6305	3-20064-00203	473	491	5,6	8,0
		1400	133×530 / 6305	3-20064-00206	538	556	6,3	8,9
650			133×750 / 6305	3-20064-00209	758	776	8,4	11,9
800			133×950 / 6305	3-20064-00217	958	996	10,3	14,7
1000			133×1150 / 6305	3-20064-00232	1158	1196	12,2	17,4
1200			133×1400 / 6305	3-20064-00233	1408	1446	14,6	20,9
1400			133×1600 / 6305	3-20064-00236	1608	1646	16,5	23,6

Other lengths, shafts and coatings are available on request.

Surface finish:

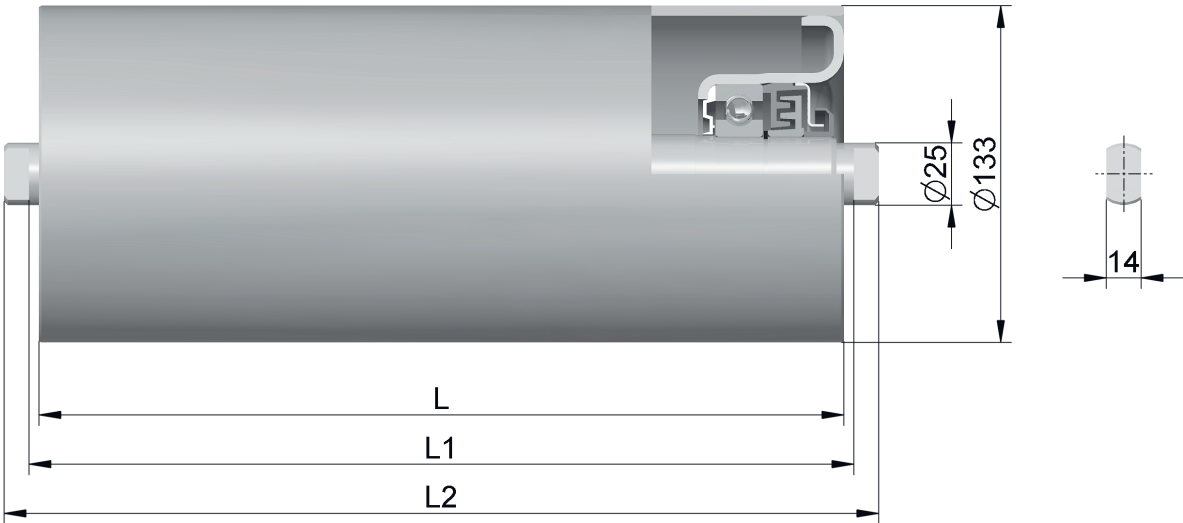
anti-corrosive primer synthetic coating - black

Ordering example:

Name, size, drawing no., quantity (pcs)

Flat roller 133×380 / 6305, 3-20064-00204, 200 pieces

	FLAT ROLLER ø133 × L / 6306	Type: 21064
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- steel pipe shell with the wall thickness 4 mm
- faces of drawn steel sheet welded in the shell
- ball bearings 6306 C3
- multi-stage two-chamber labyrinth seal with grease prechamber

For garland type and belt width:			Name - size: Flat roller 133×L/6306	Drawing no.	Dimensions [mm]		Weight [kg]	
					L1	L2	Rot. parts	Total
		800	133×315 / 6306	3-21064-00110	323	343	5,5	8,0
		1000	133×380 / 6306	3-21064-00116	388	408	6,3	9,2
		1200	133×465 / 6306	3-21064-00120	473	493	7,4	10,8
		1400	133×530 / 6306	3-21064-00124	538	558	8,2	12,1
	1000		133×600 / 6306	3-21064-00127	608	628	9,1	13,4
	1200		133×670 / 6306	3-21064-00130	678	698	10,0	14,7
	1400		133×750 / 6306	3-21064-00134	758	778	11,0	16,2
			133×900 / 6306	3-21064-00138	908	948	12,9	19,1
800			133×950 / 6306	3-21064-00139	958	998	13,6	20,1
1000			133×1150 / 6306	3-21064-00145	1158	1198	16,1	23,9
1200			133×1400 / 6306	3-21064-00148	1408	1448	19,3	28,6
1400			133×1600 / 6306	3-21064-00150	1608	1648	21,8	32,4

Two-roller disposition is designed for bottom stations.

Other lengths, shafts and coatings are available on request.

Surface finish:

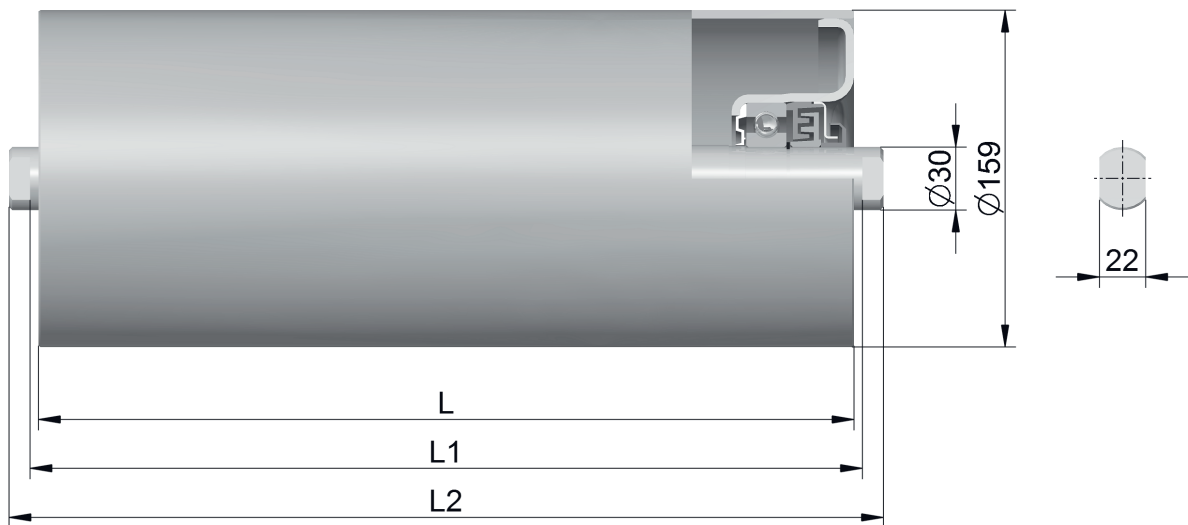
anti-corrosive primer synthetic coating - black

Ordering example:

Name, size, drawing no., quantity (pcs)

Flat roller 133×380 / 6306, 3-21064-00116, 200 pieces

	FLAT ROLLER ø159 × L / 6306	Type: 21074
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- steel pipe shell with the wall thickness 4 mm
- faces of drawn steel sheet welded in the shell
- ball bearings 6306 C3
- multi-stage two-chamber labyrinth seal with grease prechamber

For garland type and belt width:			Name – size: Flat roller 159×L/6306	Drawing no.	Dimensions [mm]		Weight [kg]	
					L1	L2	Rot. parts	Total
		1200	159×465 / 6306	3-21074-00586	473	497	9,1	12,6
		1400	159×530 / 6306	3-21074-00082	538	562	10,1	14,0
	1000		159×600 / 6306	3-21074-00083	608	632	11,2	15,5
	1200		159×670 / 6306	3-21074-00084	678	703	12,2	17,0
	1400		159×750 / 6306	3-21074-00085	758	783	13,5	18,8
			159×900 / 6306	3-21074-00099	908	932	15,8	22,0
800			159×950 / 6306	3-21074-00591	958	982	16,5	23,1
1000			159×1150 / 6306	3-21074-00092	1158	1183	19,6	27,4
1200			159×1400 / 6306	3-21074-00592	1408	1433	23,4	32,8
1400			159×1600 / 6306	3-21074-00095	1608	1633	26,4	37,1

Two-roller disposition is designed for bottom stations.

Other lengths, shafts and coatings are available on request.

Surface finish:

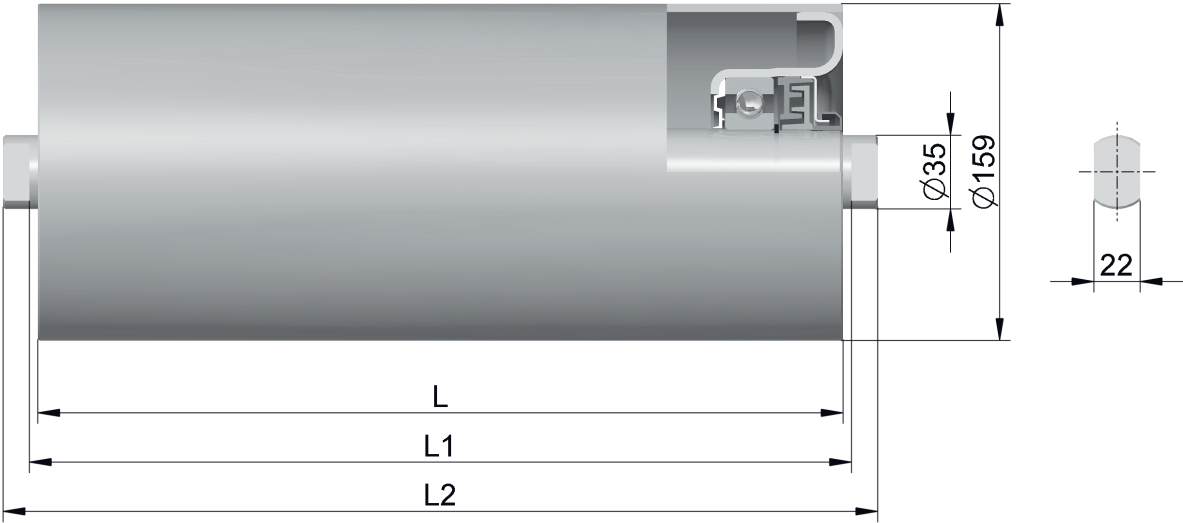
anti-corrosive primer synthetic coating - black

Ordering example:

Name, size, drawing no., quantity (pcs)

Flat roller 159×530 / 6306, 3-21074-00082, 200 pieces

	FLAT ROLLER ø159 × L / 6308	Type: 21074
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- steel pipe shell with the wall thickness 4 mm
- faces of drawn steel sheet welded in the shell
- ball bearings 6308 C3
- multi-stage two-chamber labyrinth seal with grease prechamber

For garland type and belt width:			Name – size: Flat roller 159×L/6308	Drawing no.	Dimensions [mm]		Weight [kg]	
					L1	L2	Rot. parts	Total
			159×465 / 6308	3-21074-00120	473	498	9,7	15,6
			159×530 / 6308	3-21074-00124	538	563	10,6	17,3
		1600	159×600 / 6308	3-21074-00127	608	633	11,7	19,2
		1800	159×670 / 6308	3-21074-00130	678	703	12,8	21,0
			159×750 / 6308	3-21074-00134	758	783	14,0	23,1
	1600		159×900 / 6308	3-21074-00138	908	933	16,3	27,0
			159×950 / 6308	3-21074-00136	958	983	17,1	28,3
	1800		159×1000 / 6308	3-21074-00141	1008	1033	17,8	29,6
			159×1150 / 6308	3-21074-00145	1158	1183	20,1	33,5
1200			159×1400 / 6308	3-21074-00148	1408	1433	23,9	40,0
1400			159×1600 / 6308	3-21074-00150	1608	1633	27,0	45,3
1600			159×1800 / 6308	3-21074-00151	1808	1848	30,0	50,6

Two-roller disposition is designed for bottom stations.

Other lengths, shafts and coatings are available on request.

Surface finish:

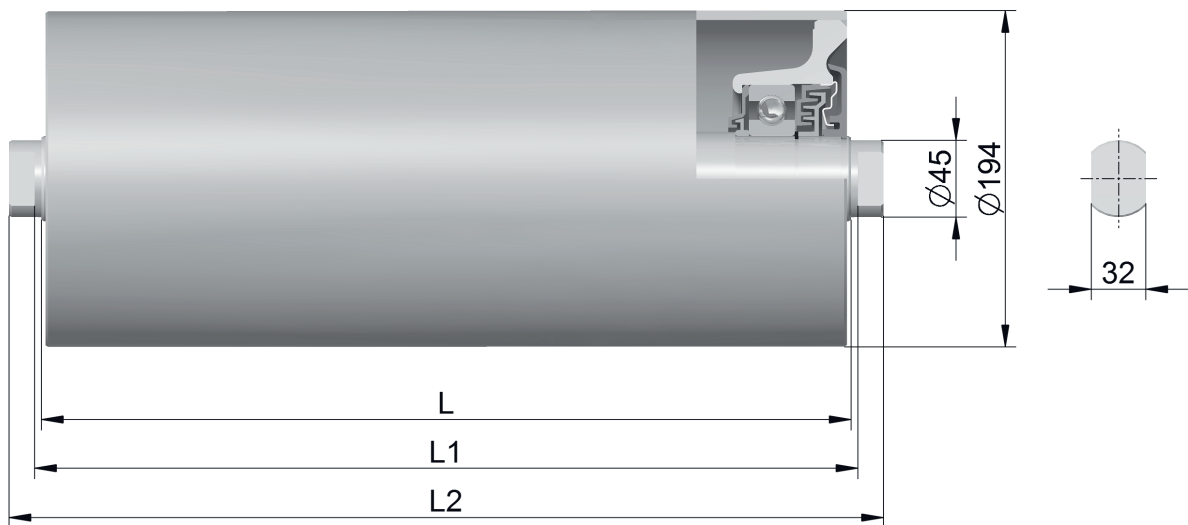
anti-corrosive primer synthetic coating - black

Ordering example:

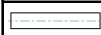
Name, size, drawing no., quantity (pcs)

Flat roller 159×530 / 6308, 3-21074-00124, 200 pieces

	FLAT ROLLER ø194 × L / 6310	Type: 21084
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- steel pipe shell with the wall thickness 5,6 mm
- forged steel faces welded in the shell
- ball bearings 6310 C3
- multi-stage two-chamber labyrinth seal with grease prechamber and dust protection

For garland type and belt width:			Name - size: Flat roller 194×L/6310	Drawing no.	Dimensions [mm]		Weight [kg]	
					L1	L2	Rot. parts	Total
		1600	194×600 / 6310	3-21084-00027	608	638	22,6	35,4
		1800	194×670 / 6310	3-21084-00030	678	708	24,4	38,5
		2000	194×750 / 6310	3-21084-00034	758	788	26,5	42,1
1800			194×900 / 6310	3-21084-00038	908	938	30,4	48,7
1800			194×950 / 6310	3-21084-00040	958	988	31,7	51,0
2000			194×1100 / 6310	3-21084-00043	1108	1138	35,6	57,7
2000			194×1150 / 6310	3-21084-00045	1158	1188	36,9	59,9

Other lengths, shafts and coatings are available on request.

Surface finish:

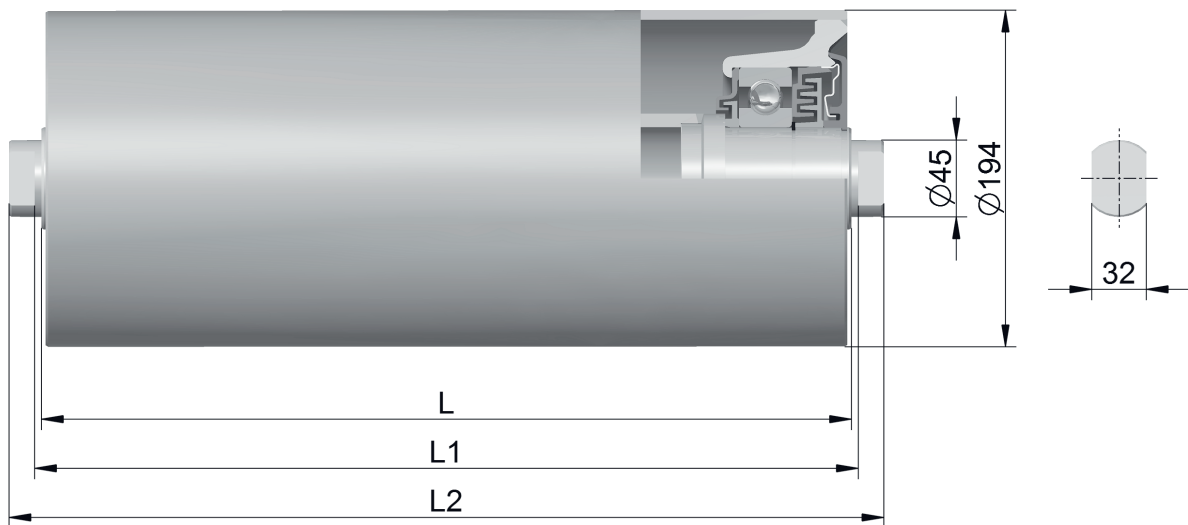
anti-corrosive primer synthetic coating - black

Ordering example:

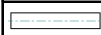
Name, size, drawing no., quantity (pcs)

Flat roller 194×670 / 6310, 3-21084-00030, 200 pieces

	FLAT ROLLER ø194 × L / 6312	Type: 21084
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- steel pipe shell with the wall thickness 5,6 mm
- forged steel faces welded in the shell
- ball bearings 6312 C3
- multi-stage two-chamber labyrinth seal with grease prechamber and dust protection

For garland type and belt width:			Name – size: Flat roller 194×L/6312	Drawing no.	Dimensions [mm]		Weight [kg]	
					L1	L2	Rot. parts	Total
		2000	194×750 / 6312	3-21084-00081	758	788	27,2	42,2
2000			194×1150 / 6312	3-21084-00085	1158	1188	37,6	58,0
2400			194×1350 / 6312	3-21084-00088	1358	1402	42,8	66,0

Other lengths, shafts and coatings are available on request.

Surface finish:

anti-corrosive primer synthetic coating - black

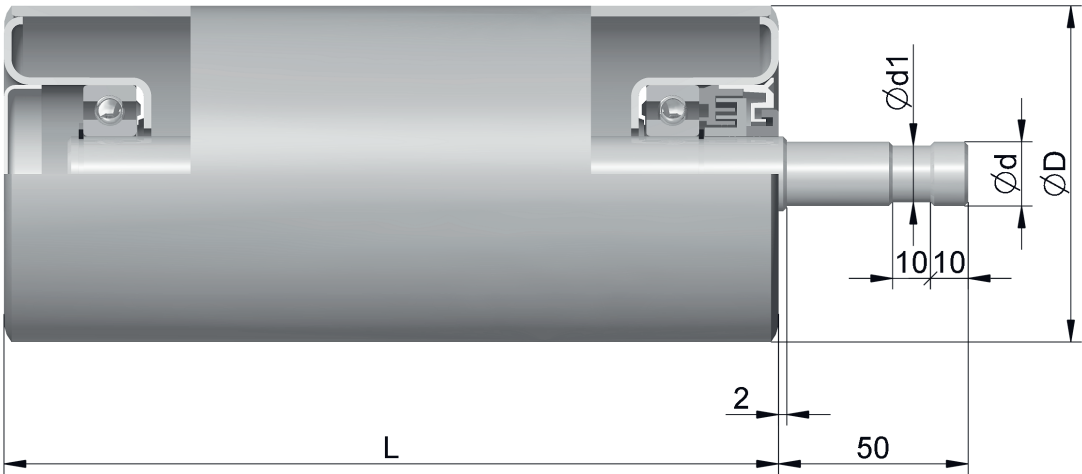
Ordering example:

Name, size, drawing no., quantity (pcs)

Flat roller 194×750 / 6312, 3-21084-00081, 200 pieces

GUIDE ROLLERS

	GUIDE ROLLER øD × L / 6204	Type: 20344 20354
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- steel pipe shell with the wall thickness t
- faces of drawn steel sheet welded in the shell or weltd
- ball bearings 6204 C3
- multi-stage two-chamber labyrinth seal with grease prechamber
- roller shaft end with a groove is designed to fit into the holder of the centering station

For belt width:	Name – size Guide roller D×L/d/6204	Drawing no.	Dimensions [mm]		Weight [kg]
			d1	t	
400-800	89×160 / 17 / 6204	3-20344-00040	15	3	2,0
400-800	89×160 / 20 / 6204	3-20344-00015	17	3	2,0
400-800	89×200 / 17 / 6204	3-20344-00041	15	3	2,3
400-800	89×200 / 20 / 6204	3-20344-00017	17	3	2,4
800-1400	108×160 / 20 / 6204	3-20354-00081	17	3,5	2,5
800-1400	108×200 / 20 / 6204	3-20354-00082	17	3,5	3,0

Other lengths, shafts and coatings are available on request.
Guide rollers are designed to fit into standard centering stations.

Surface finish:

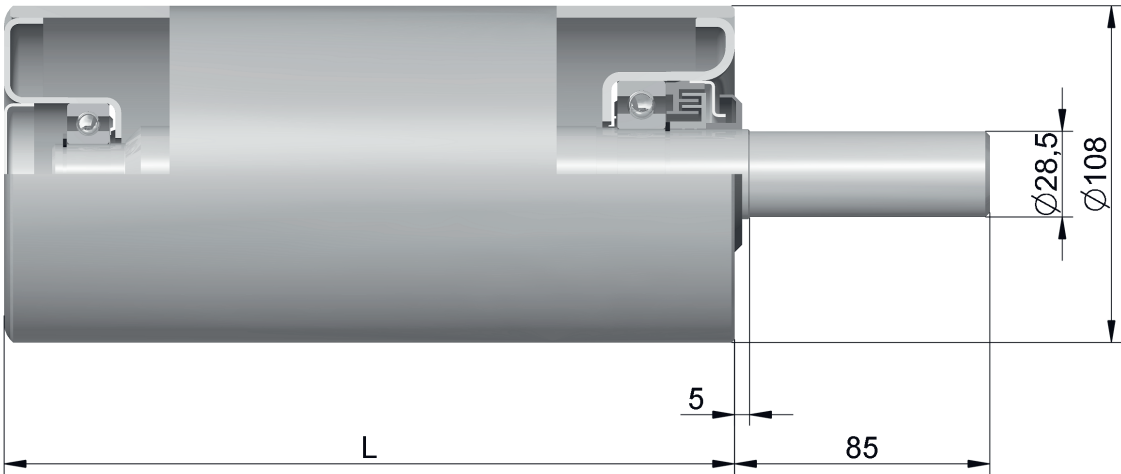
polyester powder coating RAL3000

Ordering example:

Name, size, drawing no., quantity (pcs)

Guide roller 89×200 / 20 / 6204, 3-20344-00017, 50 pieces

	GUIDE ROLLER ø108 × L / 6206	Type: 21454
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- steel pipe shell with the wall thickness 4 mm
- faces of drawn steel sheet welded in the shell
- ball bearings 6206 and 6204 C3
- multi-stage two-chamber labyrinth seal with grease prechamber
- smooth roller shaft end is designed to fit into the holder of centering station

Name – size: Guide roller 108×L/6206	Drawing no.	Weight [kg]
108×160 / 6206	3-21454-00004	3,7
108×200 / 6206	3-21454-00006	4,4

Other lengths, shafts and coatings are available on request.
Guide rollers are designed to fit into standard centering stations.

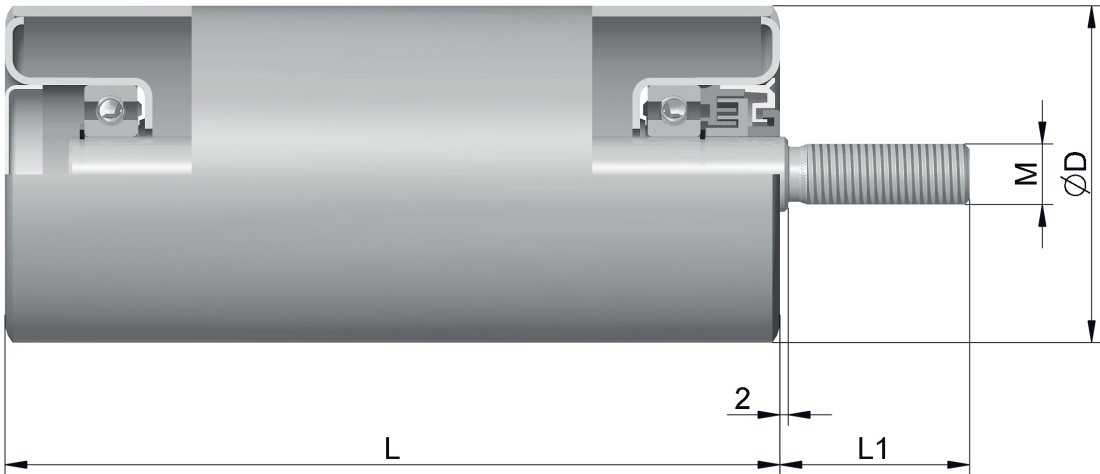
Surface finish:

anti-corrosive primer synthetic coating - black

Ordering example:

Name, size, drawing no., quantity (pcs)
Guide roller 108×200 / 6206, 3-21454-00006, 50 pieces

	GUIDE ROLLER øD × L / M / 6204	Type: 20324, 20334, 20344, 20354
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- steel pipe shell with the wall thickness t
- faces of drawn steel sheet welded in the shell or welted
- ball bearings 6204 C3
- multi-stage two-chamber labyrinth seal with grease prechamber
- roller shaft end with external thread „M“

Name – size: Guide roller D×L/M/6204	Drawing no.	Dimensions [mm]		Weight [kg]
		L1	t	
63×100 / M16	3-20324-00007	47	3	1,2
63×125 / M16	3-20324-00008	52	3	1,3
63×150 / M16	3-20324-00006	47	3	1,5
63×160 / M16	3-20324-00014	47	3	1,6
63×200 / M16	3-20324-00011	47	3	1,8
76×100 / M16	3-20334-00048	50	3	1,3
89×100 / M16	3-20344-00009	47	3	1,4
89×150 / M16	3-20344-00010	47	3	1,9
89×160 / M16	3-20344-00011	62	3	2,0
89×200 / M16	3-20344-00014	62	3	2,3
108×160 / M16	3-20354-00075	62	3	2,3
108×160 / M20	3-20354-00071	102	3,5	2,4
108×200 / M20	3-20354-00070	102	3,5	2,8

Other lengths, shafts and coatings are available on request.

Guide rollers are designed to guard the right position of the belt or to ensure the right position of the objects transported on rollways.

Surface finish:

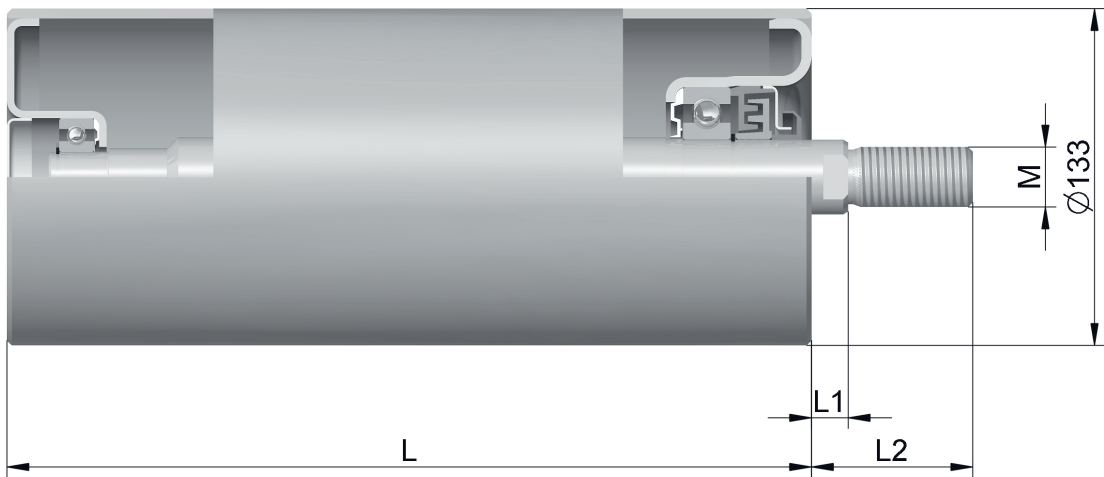
polyester powder coating RAL3000

Ordering example:

Name, size, drawing no., quantity (pcs)

Guide roller 89×160 / M16 / 6204, 3-20344-00011, 50 pieces

	GUIDE ROLLER øD × L / M / 6306	Type: 21364
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- steel pipe shell with the wall thickness 4,5 mm
- faces of drawn steel sheet welded in the shell
- ball bearings 6306 and 6204 C3
- multi-stage two-chamber labyrinth seal with grease prechamber
- roller shaft end with external thread „M“

Name – size: Guide roller D×L/M/6306	Drawing no.	Dimensions [mm]		Weight [kg]
		L1	L2	
133x130 / M24	3-21364-00061	15	65	4,1
133x250 / M24	3-21364-00069	10	70	6,7

Other lengths, shafts and coating are available on request.

Guide rollers are designed to guard the right position of the belt or to ensure the right position of the objects transported on rollways.

Surface finish:

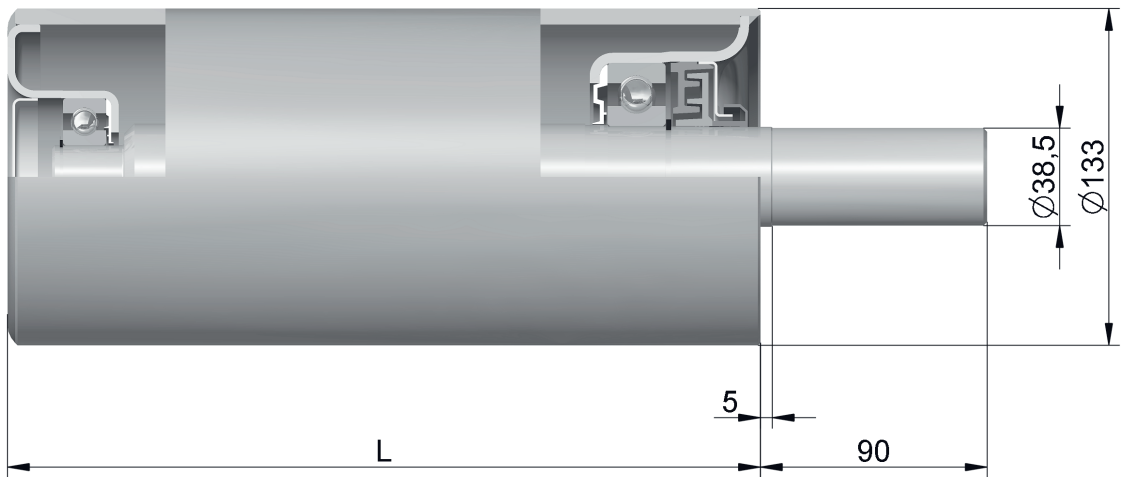
anti-corrosive primer synthetic coating - black

Ordering example:

Name, size, drawing no., quantity (pcs)

Guide roller 133×250 / M24 / 6306, 3-21364-00069, 50 pieces

	GUIDE ROLLER ø133 × L / 6308	Type: 21464
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- steel pipe shell with the wall thickness 6,3 mm
- faces of drawn steel sheet welded in the shell
- ball bearings 6308 and 6305 C3
- multi-stage two-chamber labyrinth seal with grease prechamber
- smooth roller shaft end is designed to fit into the holder of centering station

Name – size: Guide roller 133×L/6308	Drawing no.	Weight [kg]
133×200 / 6308	3-21464-00006	8,4
133×250 / 6308	3-21464-00008	9,9

Other lengths, shafts and coating are available on request.

Guide rollers are designed to fit into standard centering stations.

Surface finish:

anti-corrosive primer synthetic coating - black

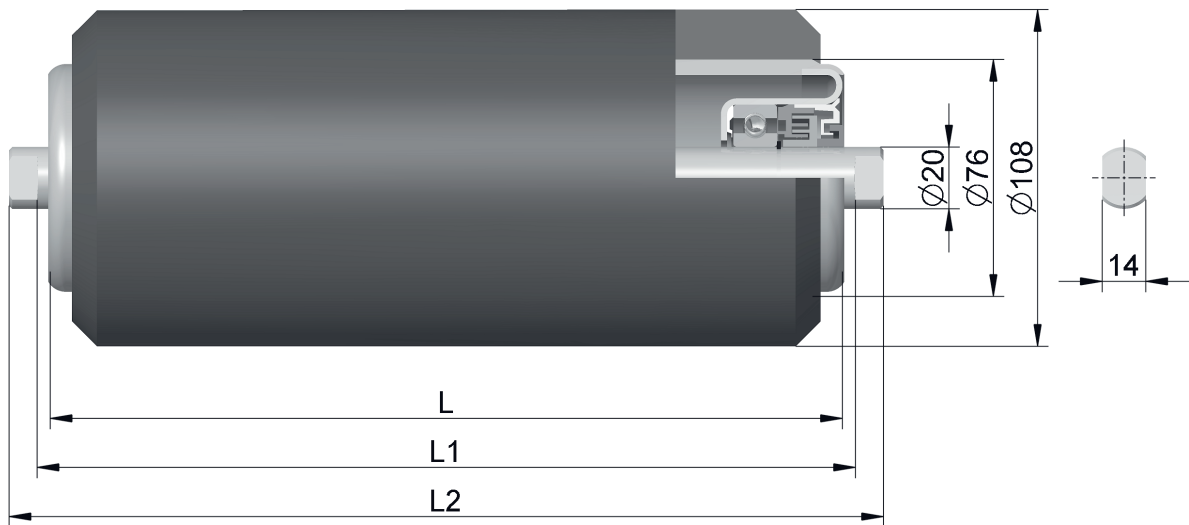
Ordering example:

Name, size, marking, quantity (pcs)

Guide roller 133×200 / 6308, 3-21464-00006, 50 pieces

RUBBER-LAGGED ROLLERS

	RUBBER-LAGGED ROLLER ø108/76 × L / 6204	Type: 20254
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- steel pipe shell with the wall thickness 5 mm rubbered to ø108 with a hardness of 65 Sh
- faces of drawn steel sheet welded in the shell
- ball bearings 6204 C3
- multi-stage two-chamber labyrinth seal with grease prechamber

For garland type and belt width:			Name – size: Rubber-lagged roller 108/76×L/6204	Drawing no.	Dimensions [mm]		Weight [kg]	
					L1	L2	Rot. parts	Total
		400	108/76×160 / 6204	3-20254-00051	168	186	2,6	3,2
		500	108/76×200 / 6204	3-20254-00052	208	226	3,2	3,9
	400	650	108/76×250 / 6204	3-20254-00061	258	276	4,0	4,8
	500	800	108/76×315 / 6204	3-20254-00062	323	341	5,0	6,0
	650	1000	108/76×380 / 6204	3-20254-00063	388	406	6,0	7,1
		1200	108/76×465 / 6204	3-20254-00055	473	491	7,3	8,6
400			108/76×500 / 6204	3-20254-00066	508	546	7,8	9,3
500			108/76×600 / 6204	3-20254-00067	608	646	9,3	11,0
650			108/76×750 / 6204	3-20254-00065	758	796	11,6	13,7
800			108/76×950 / 6204	3-20254-00070	958	996	14,6	17,2
1000			108/76×1150 / 6204	3-20254-00197	1158	1196	17,7	20,8

Other lengths, shafts and coatings are available on request.

Surface finish:

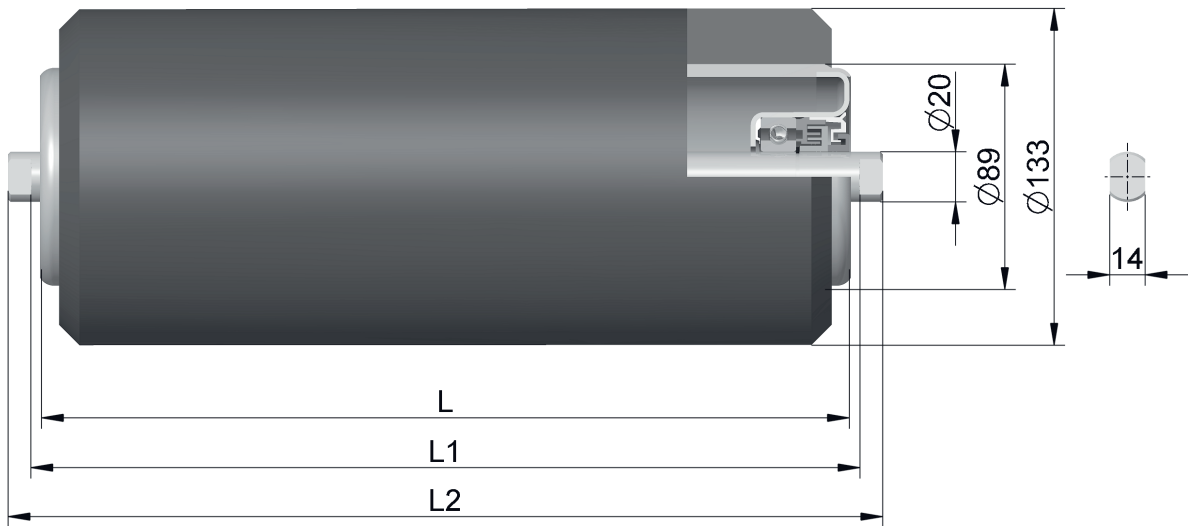
anti-corrosive primer synthetic coating - black

Ordering example:

Name, size, drawing no., quantity (pcs)

Rubber-lagged roller 108/76×200 / 6204, 3-20254-00052, 50 pieces

	RUBBER-LAGGED ROLLER ø133/89 × L / 6204	Type: 20264
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- steel pipe shell with the wall thickness 5 mm rubbered to ø133 with a hardness of 65 Sh
- faces of drawn steel sheet welded in the shell
- ball bearings 6204 C3
- multi-stage two-chamber labyrinth seal with grease prechamber

For garland type and belt width:			Name – size: Rubber-lagged roller 133/89×L/6204	Drawing no.	Dimensions [mm]		Weight [kg]	
					L1	L2	Rot. parts	Total
			133/89×250 / 6204	3-20264-00008	258	276	5,4	6,2
			133/89×315 / 6204	3-20264-00010	323	341	6,7	7,7
		1000	133/89×380 / 6204	3-20264-00016	388	406	8,1	9,2
		1200	133/89×465 / 6204	3-20264-00020	473	491	9,9	11,2
		1400	133/89×530 / 6204	3-20264-00024	538	556	11,3	12,8
			133/89×600 / 6204	3-20264-00027	608	626	12,7	14,4
1000			133/89×1150 / 6204	3-20264-00045	1158	1196	24,3	27,4
1200			133/89×1400 / 6204	3-20264-00048	1408	1446	29,6	33,3
1400			133/89×1600 / 6204	3-20264-00050	1608	1646	33,8	38,0

Other lengths, shafts and coating are available on request.

Surface finish:

anti-corrosive primer synthetic coating - black

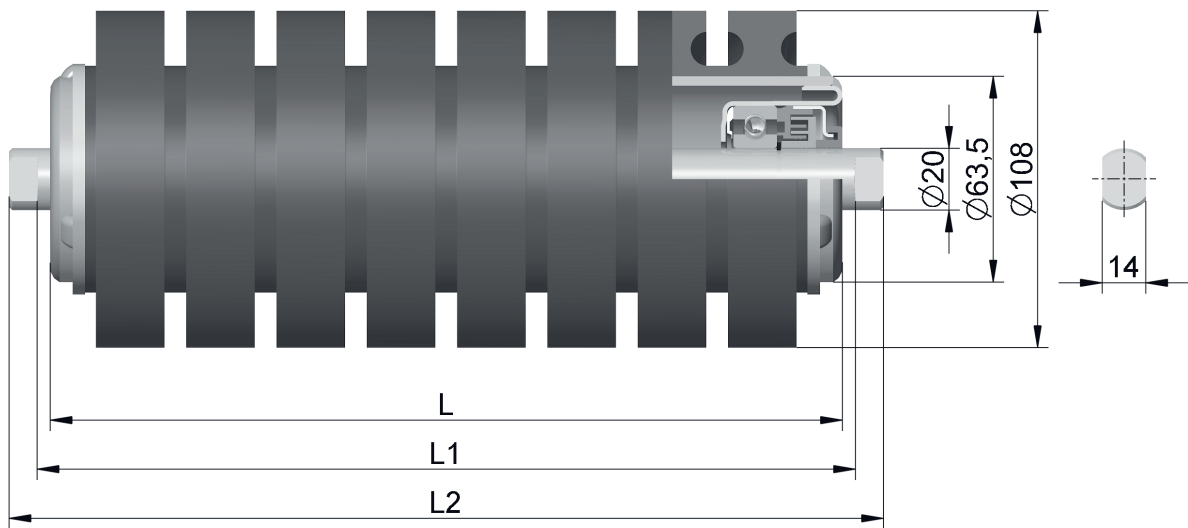
Ordering example:

Name, size, drawing no., quantity (pcs)

Rubber-lagged roller 133/89×380 / 6204, 3-20264-00016, 50 pieces

IMPACT ROLLERS

	IMPACT ROLLER ø108/63 × L / 6204	Type: 20254
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- steel pipe shell with the wall thickness 3mm
- rubber rings ø108 and hardness 65 Sh are pressed and secured on the steel pipe shell
- faces of drawn steel sheet welded in the shell
- ball bearings 6204 C3
- multi-stage two-chamber labyrinth seal with grease prechamber

For belt width: 	Name – size: Impact roller 108/63×L/6204	Drawing no.	Dimensions [mm]		Number of rubber rings	Total weight [kg]
			L1	L2		
650	108/63×250 / 6204	3-20254-00103	258	276	8	3,7
800	108/63×315 / 6204	3-20254-00106	323	341	10	4,5
1000	108/63×380 / 6204	3-20254-00104	388	406	13	5,5
1200	108/63×465 / 6204	3-20254-00109	473	491	15	6,4
	108/63×600 / 6204	3-20254-00219	608	646	19	8,1

Other lengths, shafts and coating are available on request.

Surface finish:

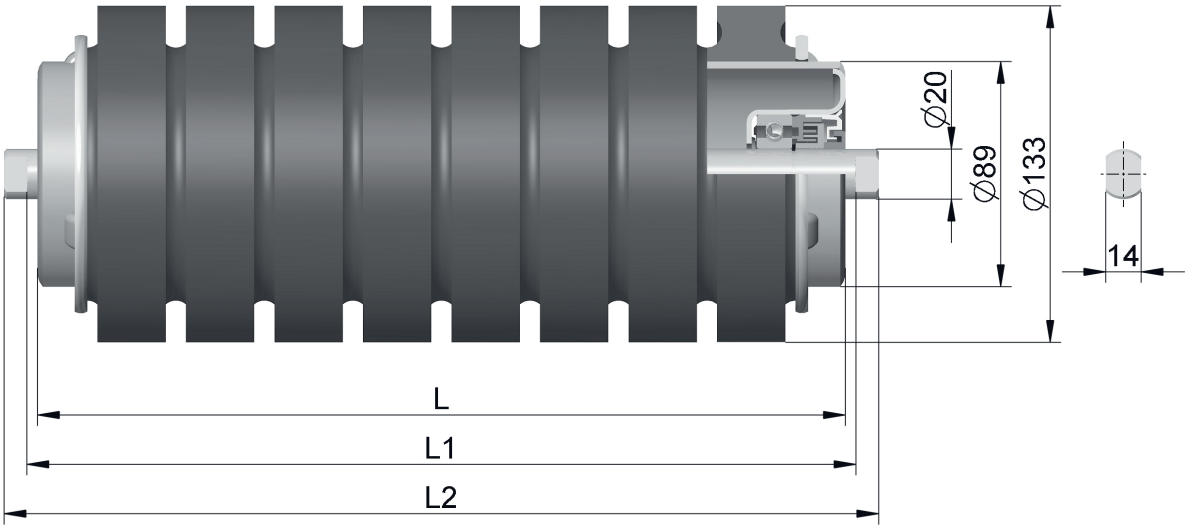
anti-corrosive primer synthetic coating - black

Ordering example:

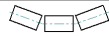
Name, size, drawing no., quantity (pcs)

Impact roller 108/63×380 / 6204, 3-20254-00104, 50 pieces

	IMPACT ROLLER ø133/89 × L / 6204	Type: 20264
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- steel pipe shell with the wall thickness 3 mm
- rubber rings ø133 and hardness 65 Sh are pressed and secured on the steel pipe shell
- faces of drawn steel sheet welded in the shell
- ball bearings 6204 C3
- multi-stage two-chamber labyrinth seal with grease prechamber

For belt width: 	Name – size: Impact roller 133/89×L/6204	Drawing no.	Dimensions [mm]		Numbe of rubber rings	Total weight [kg]
			L1	L2		
	133/89×250 / 6204	3-20264-00151	258	276	6	4,9
	133/89×315 / 6204	3-20264-00152	323	341	8	6,1
1000	133/89×380 / 6204	3-20264-00153	388	406	10	7,3
1200	133/89×465 / 6204	3-20264-00160	473	491	13	9,0
1400	133/89×530 / 6204	3-20264-00164	538	556	15	10,9

Other lengths, shafts and coating are available on request.

Surface finish:

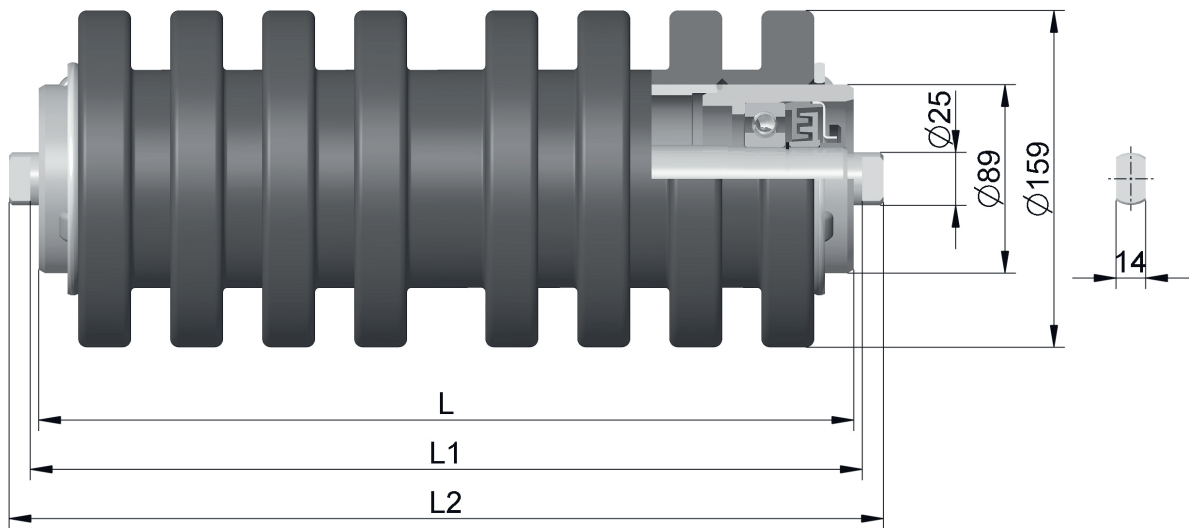
anti-corrosive primer synthetic coating - black

Ordering example:

Name, size, drawing no., quantity (pcs)

Impact roller 133/89×380 / 6204, 3-20264-00153, 50 pieces

	IMPACT ROLLER ø159/89 × L / 6306	Type: 21274
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- steel pipe shell with the wall thickness 5 mm
- rubber rings ø159 and hardness 65 Sh are pressed and secured on the steel pipe shell
- steel tube faces machined and welded in the shell
- ball bearings 6306 C3
- multi-stage two-chamber labyrinth seal with grease prechamber

For belt width: 	Name – size: Impact roller 159/89×L/6306	Drawing no.	Dimensions [mm]		Number of rubber rings	Total weight [kg]
			L1	L2		
800	159/89x315/6306	3-21274-00010	323	343	7	11,2
1000	159/89x380/6306	3-21274-00016	388	408	8	12,9
1200	159/89x465/6306	3-21274-00020	473	493	10	15,5
1400	159/89x530/6306	3-21274-00024	538	558	12	17,7

Other lengths, shafts and coating are available on request.

Surface finish:

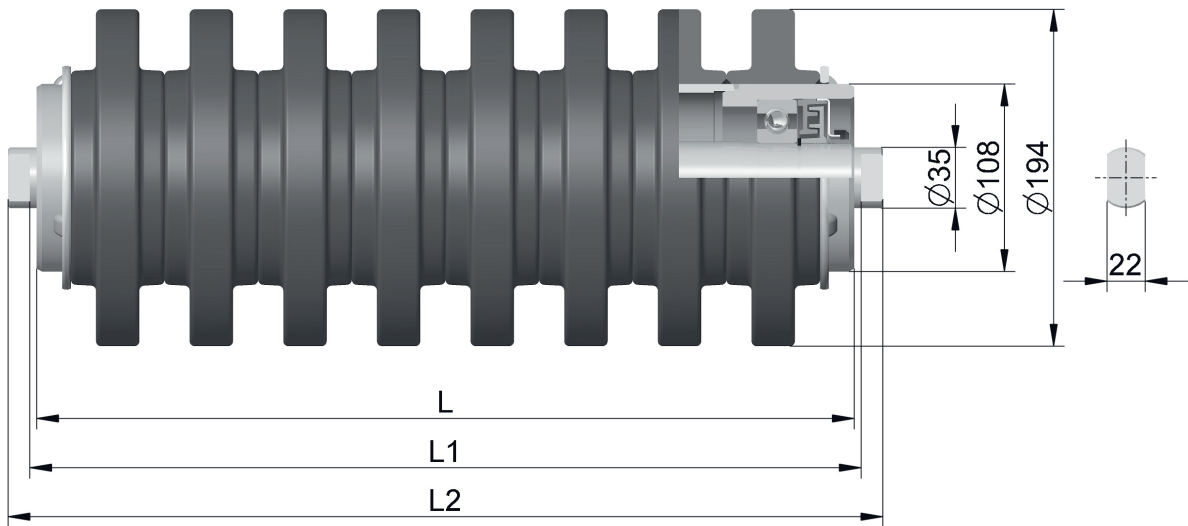
anti-corrosive primer synthetic coating - black

Ordering example:

Name, size, drawing no., quantity (pcs)

Impact roller 159/89×380 / 6306, 3-21274-00016, 50 pieces

	IMPACT ROLLER ø194/108 × L / 6308	Type: 21284
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- steel pipe shell with the wall thickness 5 mm
- rubber rings ø194 and hardness 65 Sh are pressed and secured on the steel pipe shell
- steel tube faces machined and welded in the shell
- ball bearings 6308 C3
- multi-stage two-chamber labyrinth seal with grease prechamber

For belt width: 	Name – size: Impact roller 194/108×L/6308	Drawing no.	Dimensions [mm]		Number of rubber rings	Total weight [kg]
			L1	L2		
1600	194/108×600 / 6308	3-21284-00027	608	633	11	27,2
1800	194/108×670 / 6308	3-21284-00030	678	703	13	30,6

Other lengths, shafts and coating are available on request.

Surface finish:

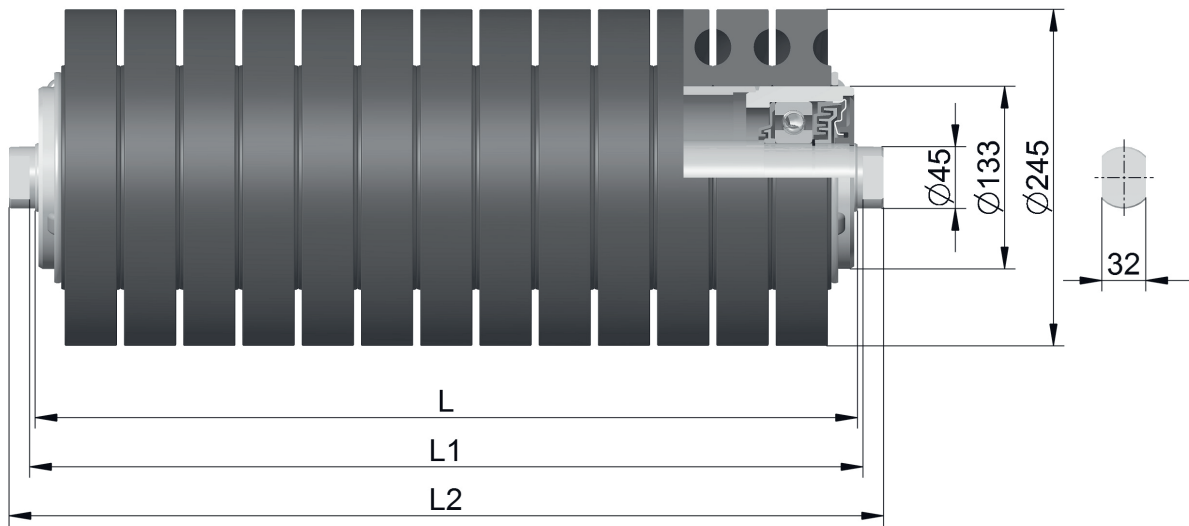
anti-corrosive primer synthetic coating - black

Ordering example:

Name, size, drawing no., quantity (pcs)

Impact roller 194/108×600 / 6308, 3-21284-00027, 50 pieces

	IMPACT ROLLER ø245/133 × L / 6310	Type: 21294
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- steel pipe shell with the wall thickness 6,3 mm
- rubber rings ø245 and hardness 65 Sh are pressed and secured on the steel pipe shell
- steel tube faces machined and welded in the shell
- ball bearings 6310 C3
- multi-stage two-chamber labyrinth seal with grease prechamber and dust protection

For belt width: 	Name – size: Impact roller 245/133×L/6310	Drawing no.	Dimensions [mm]		Number of rubber rings	Total weight [kg]
			L1	L2		
1600	245/133×600 / 6310	3-21294-00027	608	638	13	49,2
1800	245/133×670 / 6310	3-21294-00030	678	708	14	53,5
2000	245/133×750 / 6310	3-21294-00034	758	788	16	59,9

Other lengths, shafts and coating are available on request.

Surface finish:

anti-corrosive primer synthetic coating - black

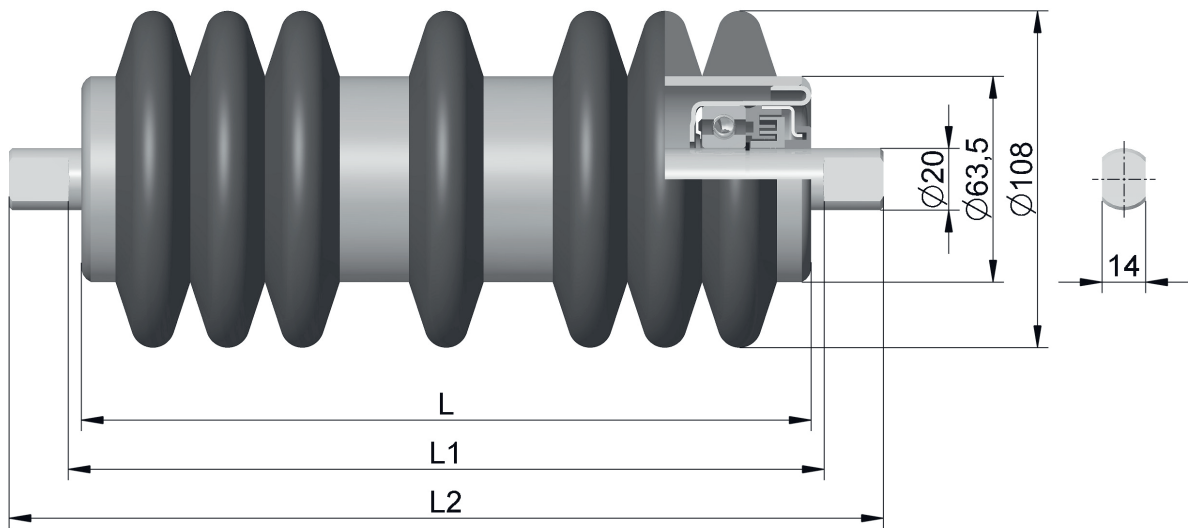
Ordering example:

Name, size, drawing no., quantity (pcs)

Impact roller 245/133×750 / 6310, 3-21294-00034, 50 pieces

DISC ROLLERS

	DISC ROLLER ø108/63 × L / 6204	Type: 20154
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- steel pipe shell with the wall thickness 3mm
- rubber discs ø108 and hardness 65 Sh are pressed on the steel pipe shell
- faces of drawn steel sheet welded in the shell
- ball bearings 6204 C3
- multi-stage two-chamber labyrinth seal with grease prechamber

For belt width:	Name – size: Disc roller 108/63×L/6204	Drawing no.	Dimensions [mm]		Number of rubber discs	Weight [kg]	
			L1	L2		Rot. parts	Total
400	108/63×500 / 6204	3-20154-00010	508	546	4+2+4	4,1	5,6
500	108/63×600 / 6204	3-20154-00004	608	646	5+2+5	4,9	6,6
650	108/63×750 / 6204	3-20154-00008	758	796	5+3+5	5,7	7,8
800	108/63×950 / 6204	3-20154-00016	958	996	5+5+5	6,9	9,5
1000	108/63×1150 / 6204	3-20154-00018	1158	1196	5+6+5	8,0	11,1
1200	108/63×1400 / 6204	3-20154-00002	1408	1446	6+7+6	9,6	13,3

Other lengths, shafts and coating are available on request.

Surface finish:

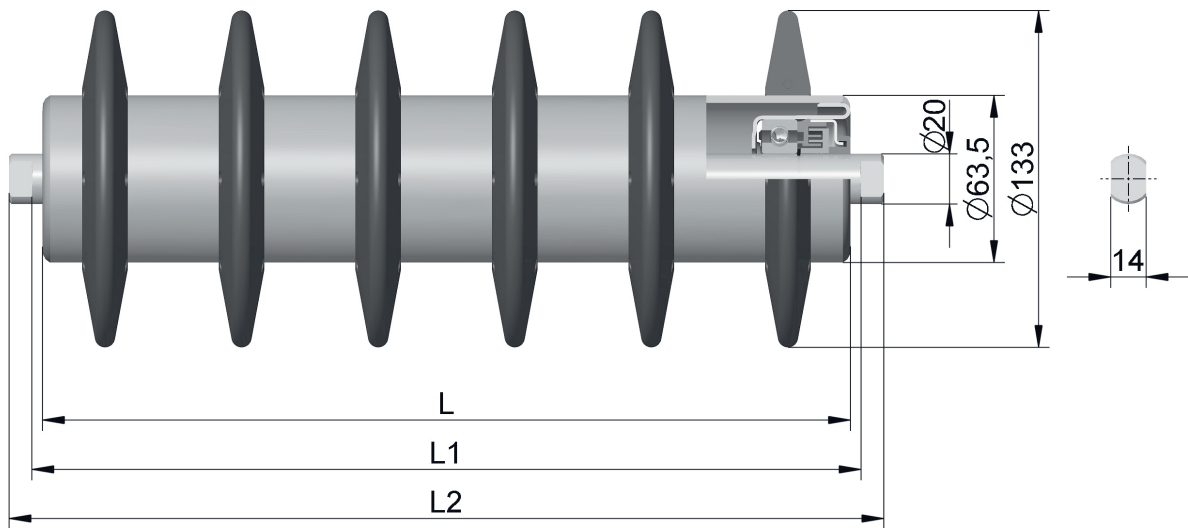
polyester powder coating RAL3000

Ordering example:

Name, size, drawing no., quantity (pcs)

Disc roller 108/63×750 / 6204, 3-20154-00008, 100 pieces

	DICS ROLLER ø133/63 × L / 6204	Type: 20164
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- steel pipe shell with the wall thickness 3mm
- rubber discs ø133 and hardness 65 Sh are pressed on the steel pipe shell
- faces of drawn steel sheet welded in the shell
- ball bearings 6204 C3
- multi-stage two-chamber labyrinth seal with grease prechamber

For belt width:		Name – size: Disc roller 133/63×L/6204	Drawing no.	Dimensions [mm]		Number of rubber discs	Weight [kg]	
				L1	L2		Rot. parts	Total
	800	133/63×465 / 6204	3-20164-00520	473	491	8	3,8	5,2
500		133/63×600 / 6204	3-20164-00559	608	646	12	5,1	6,9
	1000	133/63×600 / 6204	3-20164-00562	608	626	12	5,1	6,8
	1200	133/63×670 / 6204	3-20164-00530	678	696	10	5,1	6,9
	1400	133/63×750 / 6204	3-20164-00563	758	778	15	6,3	8,4
650		133/63×750 / 6204	3-20164-00572	758	796	15	6,3	8,4
800		133/63×950 / 6204	3-20164-00539	958	996	14	7,0	9,6
1000		133/63×1150 / 6204	3-20164-00545	1158	1196	17	8,5	11,6
1200		133/63×1400 / 6204	3-20164-00548	1408	1446	19	9,9	13,7
1400		133/63×1600 / 6204	3-20164-00550	1608	1646	21	11,2	15,4

Other lengths, shafts and coating are available on request.

Surface finish:

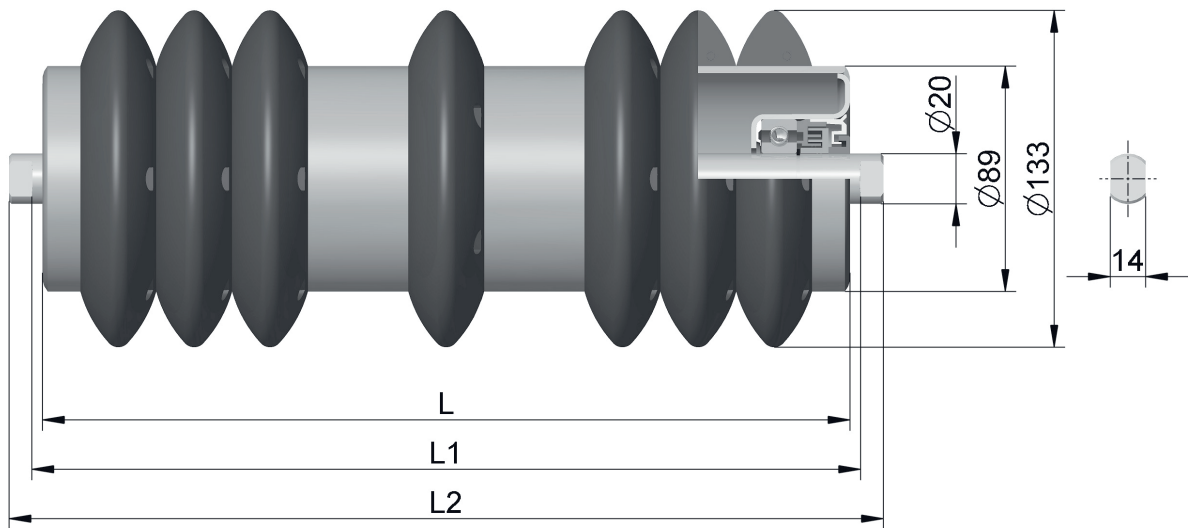
polyester powder coating RAL3000

Ordering example:

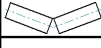
Name, size, drawing no., quantity (pcs)

Disc roller 133/63×670 / 6204, 3-20164-00530, 100 pieces

	DISC ROLLER ø133/89 × L / 6204	Type: 20164
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- steel pipe shell with the wall thickness 3mm
- rubber discs ø133 and hardness 65 Sh are pressed on the steel pipe shell
- faces of drawn steel sheet welded in the shell
- ball bearings 6204 C3
- multi-stage two-chamber labyrinth seal with grease prechamber

For belt width:		Name – size: Disc roller 133/89×L/6204	Drawing no.	Dimensions [mm]		Number of rubber discs	Weight [kg]	
				L1	L2		Rot. parts	Total
		133/89×500 / 6204	3-20164-00167	508	526	3+3+3	5,8	7,2
	1000	133/89×600 / 6204	3-20164-00165	608	626	4+3+4	6,9	8,6
	1200	133/89×670 / 6204	3-20164-00172	678	696	4+3+4	7,4	9,2
	1400	133/89×750 / 6204	3-20164-00173	758	776	4+4+4	8,1	10,2
650		133/89×750 / 6204	3-20164-00162	758	796	4+4+4	8,1	10,2
800		133/89×950 / 6204	3-20164-00163	958	996	4+6+4	9,9	12,5
1000		133/89×1150 / 6204	3-20164-00161	1158	1196	5+7+5	11,9	15,0
1200		133/89×1400 / 6204	3-20164-00164	1408	1446	5+10+5	14,3	18,0
1400		133/89×1600 / 6204	3-20164-00171	1608	1646	5+12+5	16,0	20,2

Other lengths, shafts and coating are available on request.

Surface finish:

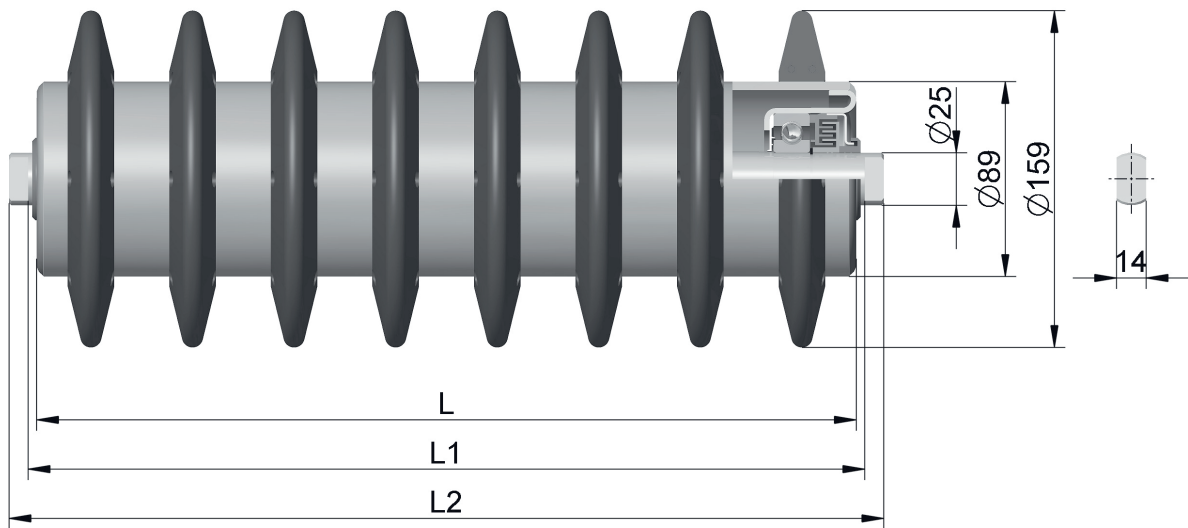
polyester powder coating RAL3000

Ordering example:

Name, size, drawing no., quantity (pcs)

Disc roller 133/89×670 / 6204, 3-20164-00172, 100 pieces

	DISC ROLLER ø159/89 × L / 6305	Type: 21174
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- steel pipe shell with the wall thickness 4mm
- rubber discs ø159 and hardness 65 Sh are pressed on the steel pipe shell
- faces of drawn steel sheet welded in the shell
- ball bearings 6305 C3
- multi-stage two-chamber labyrinth seal with grease prechamber

For belt width:		Name – size: Disc roller 159/89×L/6305	Drawing no.	Dimensions [mm]		Number of rubber discs	Weight [kg]	
				L1	L2		Rot. parts	Total
	800	159/89×465 / 6305	3-21174-00160	473	491	9	7,3	9,6
	1000	159/89×600 / 6305	3-21174-00161	608	626	12	9,3	12,2
	1200	159/89×670 / 6305	3-21174-00162	678	696	13	10,2	13,4
	1400	159/89×750 / 6305	3-21174-00163	758	776	15	11,5	15,0
800		159/89×950 / 6305	3-21174-00164	958	996	15	13,1	17,5
1000		159/89×1150 / 6305	3-21174-00165	1158	1196	7+3+7	15,4	20,6
1200		159/89×1400 / 6305	3-21174-00166	1408	1446	7+5+7	18,1	24,4
1400		159/89×1600 / 6305	3-21174-00167	1608	1646	7+7+7	20,4	27,5

Other lengths, shafts and coatings are available on request.

Surface finish:

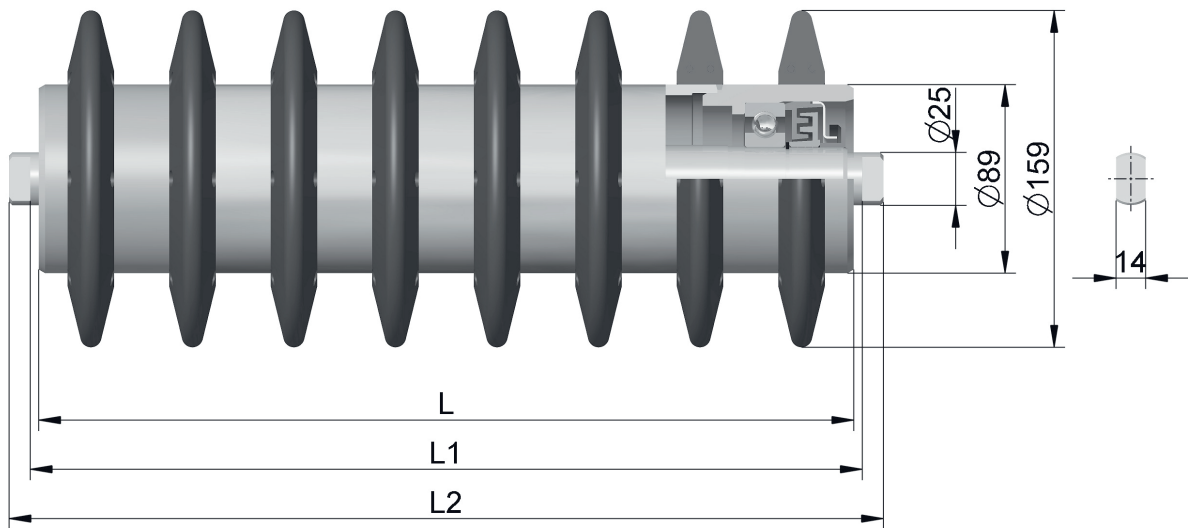
anti-corrosive primer synthetic coating - black

Ordering example:

Name, size, drawing no., quantity (pcs)

Disc roller 159/89×670 / 6305, 3-21174-00162, 100 pieces

	DISC ROLLER ø159/89 × L / 6306	Type: 21174
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- steel pipe shell with the wall thickness 4mm
- rubber discs ø159 and hardness 65 Sh are pressed on the steel pipe shell
- steel tube faces machined and welded in the shell
- ball bearings 6306 C3
- multi-stage two-chamber labyrinth seal with grease prechamber

For belt width:		Name – size: Disc roller 159/89×L/6306	Drawing no.	Dimensions [mm]		Number of rubber discs	Weight [kg]	
				L1	L2		Rot. parts	Total
	800	159/89×465 / 6306	3-21174-00070	473	493	9	8,2	11,6
	1000	159/89×600 / 6306	3-21174-00071	608	628	12	10,2	14,5
	1200	159/89×670 / 6306	3-21174-00081	678	698	13	11,1	15,8
	1400	159/89×750 / 6306	3-21174-00082	758	778	15	12,4	17,6
800		159/89×950 / 6306	3-21174-00039	958	998	15	14,0	20,6
1000		159/89×1150 / 6306	3-21174-00045	1158	1198	7+3+7	16,3	24,1
1200		159/89×1400 / 6306	3-21174-00048	1408	1448	7+5+7	19,0	28,4
1400		159/89×1600 / 6306	3-21174-00050	1608	1648	7+7+7	21,3	31,9

Other lengths, shafts and coating are available on request.

Surface finish:

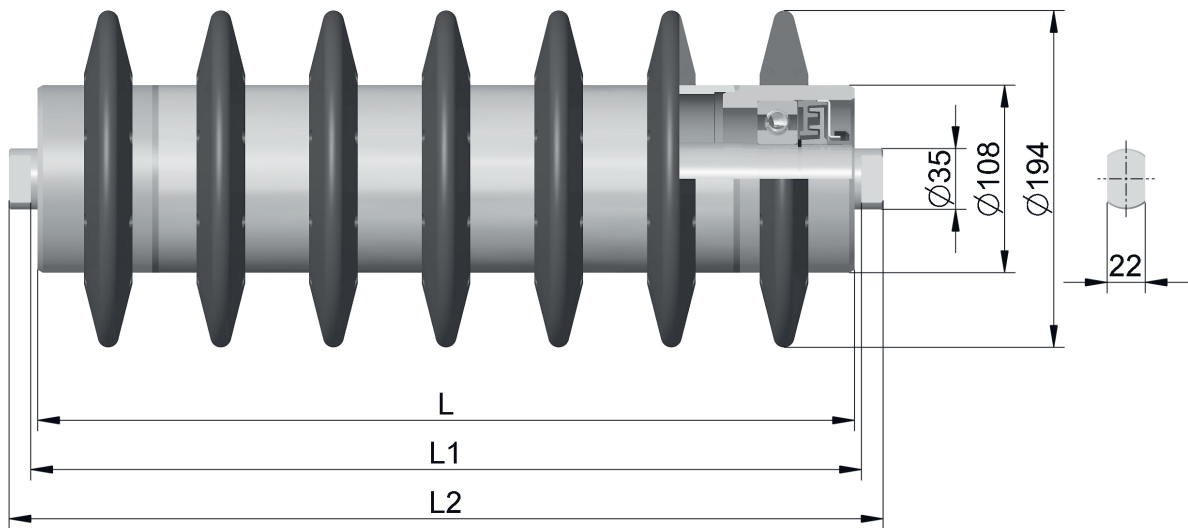
anti-corrosive primer synthetic coating - black

Ordering example:

Name, size, drawing no., quantity (pcs)

Disc roller 159/89×670 / 6306, 3-21174-00081, 100 pieces

	DISC ROLLER ø194/108 × L / 6308	Type: 21184
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- steel pipe shell with the wall thickness 5mm
- rubber discs ø194 and hardness 65 Sh are pressed on the steel pipe shell
- steel tube faces machined and welded in the shell
- ball bearings 6308 C3
- multi-stage two-chamber labyrinth seal with grease prechamber

For belt width:		Name – size: Disc roller 194/108×L/6308	Drawing no.	Dimensions [mm]		Number of rubber discs	Weight [kg]	
				L1	L2		Rot. parts	Total
	1600	194/108×900 / 6308	3-21184-00081	908	933	13	20,8	31,5
	1800	194/108×1000 / 6308	3-21184-00082	1008	1033	15	23,2	35,0
	2000	194/108×1150 / 6308	3-21184-00087	1158	1183	18	26,7	40,1

Other lengths, shafts and coating are available on request.

Surface finish:

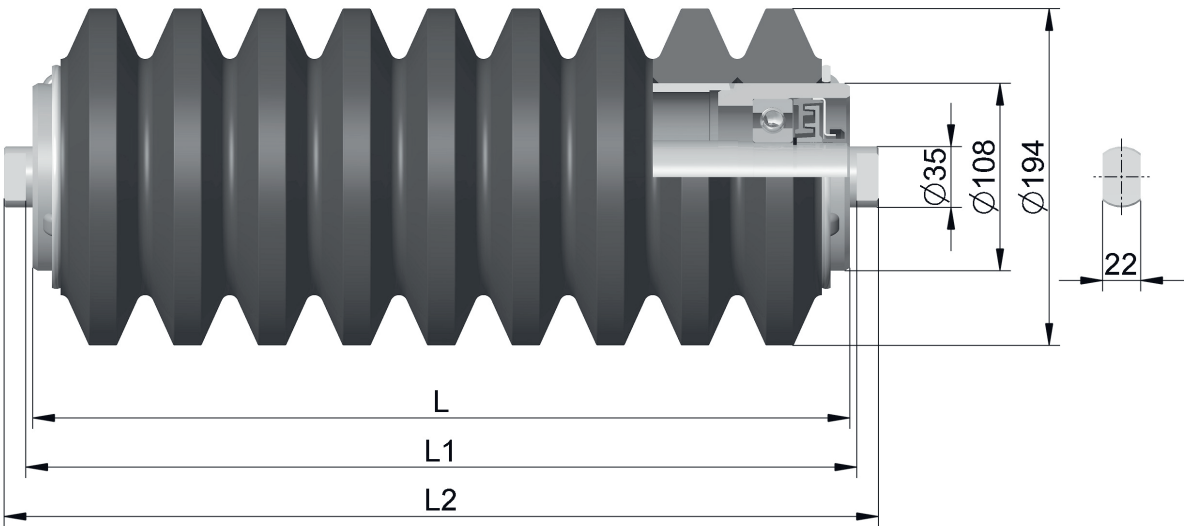
anti-corrosive primer synthetic coating - black

Ordering example:

Name, size, drawing no., quantity (pcs)

Disc roller 194/108×900 / 6308, 3-21184-00081, 100 pieces

	CORRUGATED ROLLER ø194/108 × L / 6308	Type: 21184
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- steel pipe shell with the wall thickness 5mm
- rubber discs ø194 and hardness 65 Sh are pressed on the steel pipe shell
- steel tube faces machined and welded in the shell
- ball bearings 6308 C3
- multi-stage two-chamber labyrinth seal with grease prechamber

For belt width:		Name – size: Corrugated roller 194/108×L/6308	Drawing no.	Dimensions [mm]		Number of rubber discs	Weight [kg]	
				L1	L2		Rot. parts	Total
	1600	194/108×900 / 6308	3-21184-00181	908	933	18	32,5	43,2
	1800	194/108×1000 / 6308	3-21184-00182	1008	1033	20	35,9	47,7

Other lengths, shafts and coating are available on request.

Surface finish:

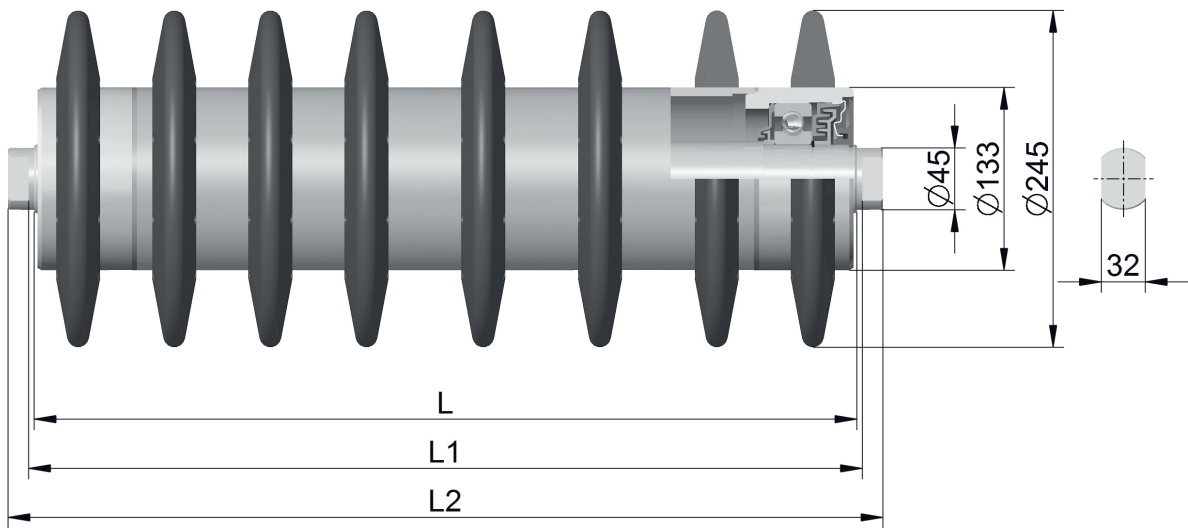
anti-corrosive primer synthetic coating - black

Ordering example:

Name, size, drawing no., quantity (pcs)

Corrugated roller 194/108×900 / 6308, 3-21184-00181, 100 pieces

	DISC ROLLER ø245/133 × L / 6310	Type: 21194
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- steel pipe shell with the wall thickness 6,3 mm
- rubber discs ø245 and hardness 65 Sh are pressed on the steel pipe shell
- steel tube faces machined and welded in the shell
- ball bearings 6310 C3
- multi-stage two-chamber labyrinth seal with grease prechamber

For belt width:		Name – size: Disc roller 1245/133×L/6310	Drawing no.	Dimensions [mm]		Number of rubber discs	Weight [kg]	
				L1	L2		Rot. parts	Total
	2000	245/133×1150 / 6310	3-21194-00090	1158	1188	18	46,0	68,9

Other lengths, shafts and coating are available on request.

Surface finish:

anti-corrosive primer synthetic coating - black

Ordering example:

Name, size, drawing no., quantity (pcs)

Disc roller 245/133×1150/6310, 3-21194-00090, 100 quantity

GARLAND STATIONS

Technical conditions

Roller Garlands

Technical conditions for rollers on pages [st. 7-12] of this catalogue apply to upper and lower roller garlands, except for following paragraphs.

DESIGN DESCRIPTION

- Rollers in garlands are connected together as follows:
 - o Chain couplers in garland type GCx
 - o Pins with slats in garland type GLx
 - o Look and hook in garland type GOHx
 - o Look and C-shaped suspensions in garland type GORx

Garland connections allow for better roller suspension during high load, resulting in smoother conveyor motion and protection against belt puncture. Roller axis ends are modified to allow mounting to framework structure by connection components. Snap hooks for upper garlands and chains for lower garlands are used as mounting components.

More detailed illustrations and dimensions are listed in respective catalogue pages.

OPERATING CONDITIONS AND TECHNICAL DATA

- Recommended transport velocity
 - o Roller garlands with bearing size 6306, belt width B = 1200 – 1400 mm: $v = 5 \text{ m/s}$
 - o Roller garlands with bearing sizes 6308-6312, belt width B = 1600 – 2250 mm: $6,3 \text{ m/s}$

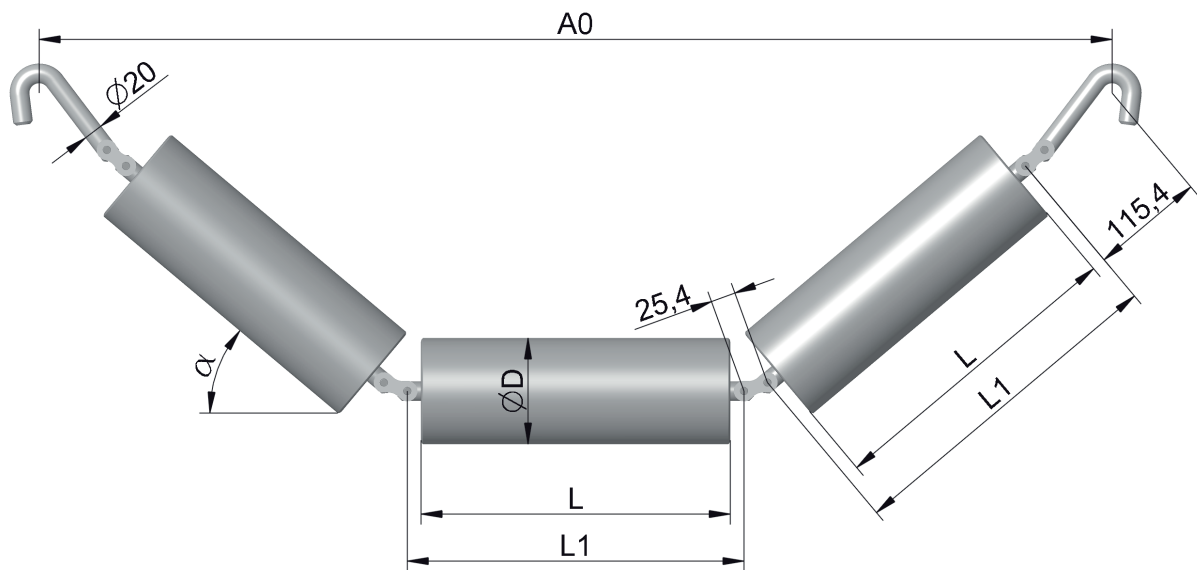
COMMERCIAL TERMS

• Packing

Garlands are delivered pre-assembled with rollers separately packed on pallets. Connecting and suspension components are mounted on side rollers of a garland. Remaining connection accessories necessary for garland installation are delivered in separate crate. Different method of packing is subject to agreement with producer. Each pallet is marked with item name, quantity, item drawing number and order number.

TOP GARLAND STATIONS

	TOP GARLAND STATION GCH 89, 108 / 6204	Type: 22444 22454
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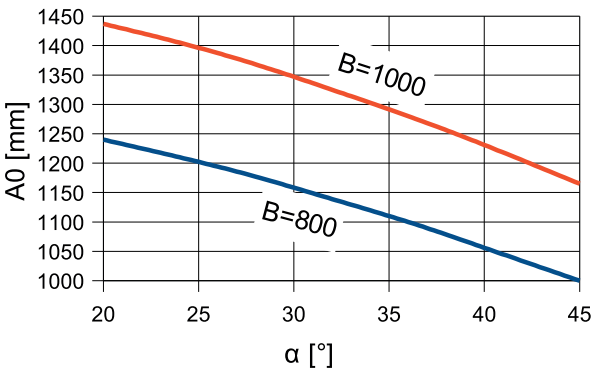
- station consists of three flat garland rollers with bearing 6204 (page 16, 18)
- rollers are connected by flat chain connectors
- station is suspended by hooks
- multi-stage two-chamber labyrinth seal with grease prechamber and dust protection

Belt width	Drawing no.	Dimensions [mm]			Weight [kg]
		D	L	L1	
800	3-22444-13601	89	315	343	10,9
800	3-22454-13602	108	315	343	17,3
1000	3-22454-14603	108	380	412	15,2

Garland stations are delivered on wooden pallets 1200x800 mm.

Surface finish:

polyester powder coating RAL3000

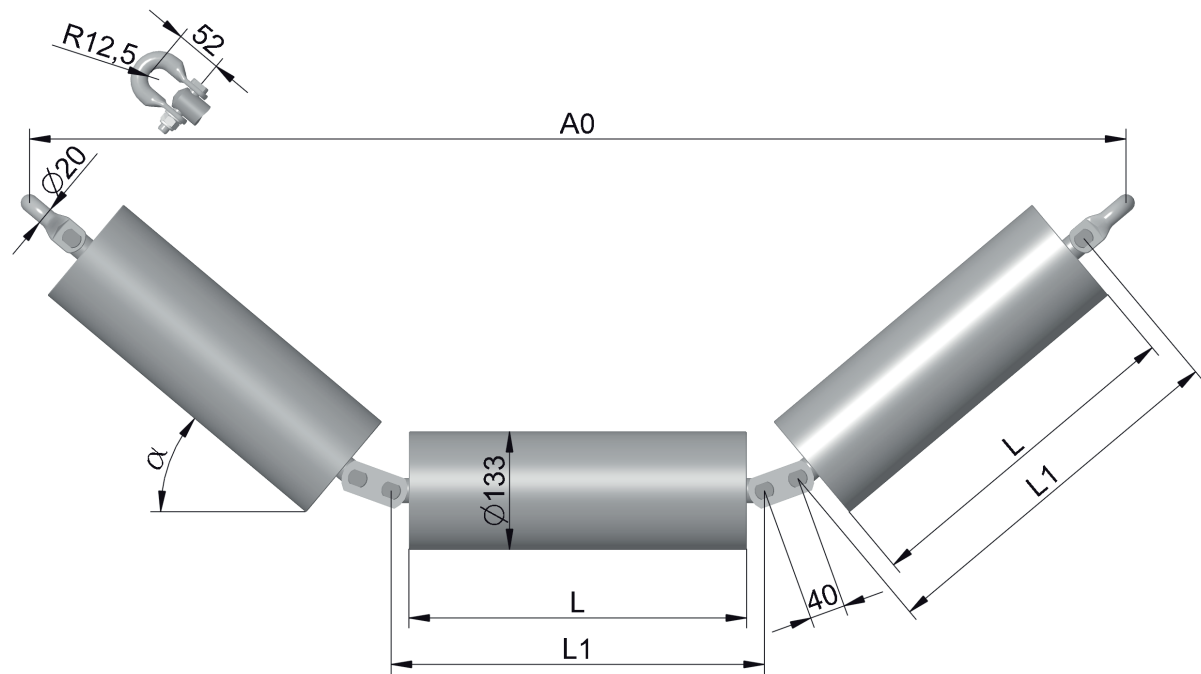


Ordering example:

Name, size, drawing no., quantity (pcs)

Garland station GCH B800, 3-22454-13602, 100 pieces

	TOP GARLAND STATION GLT 133 / 6306	Type: 22464
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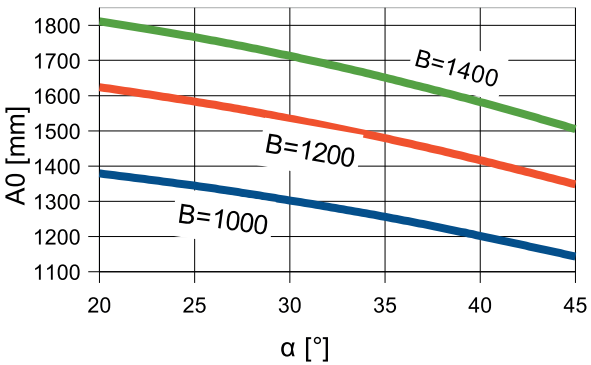
- station consists of three flat garland rollers $\varnothing 133$ with bearing 6306 (page 22)
- rollers are connected by slats and pins
- station is suspended by forged shackles
- multi-stage six-chamber labyrinth seal with grease prechamber and dust protection

Belt width	Drawing no.	Dimensions [mm]		Weight [kg]
		L	L1	
1000	3-22464-14614	380	420	35,1
1200	3-22464-15614	465	505	38,2
1400	3-22464-16614	530	570	40,8

Garland stations are delivered on wooden pallets 1200x800 mm.

Surface finish:

anti-corrosive primer synthetic coating - black

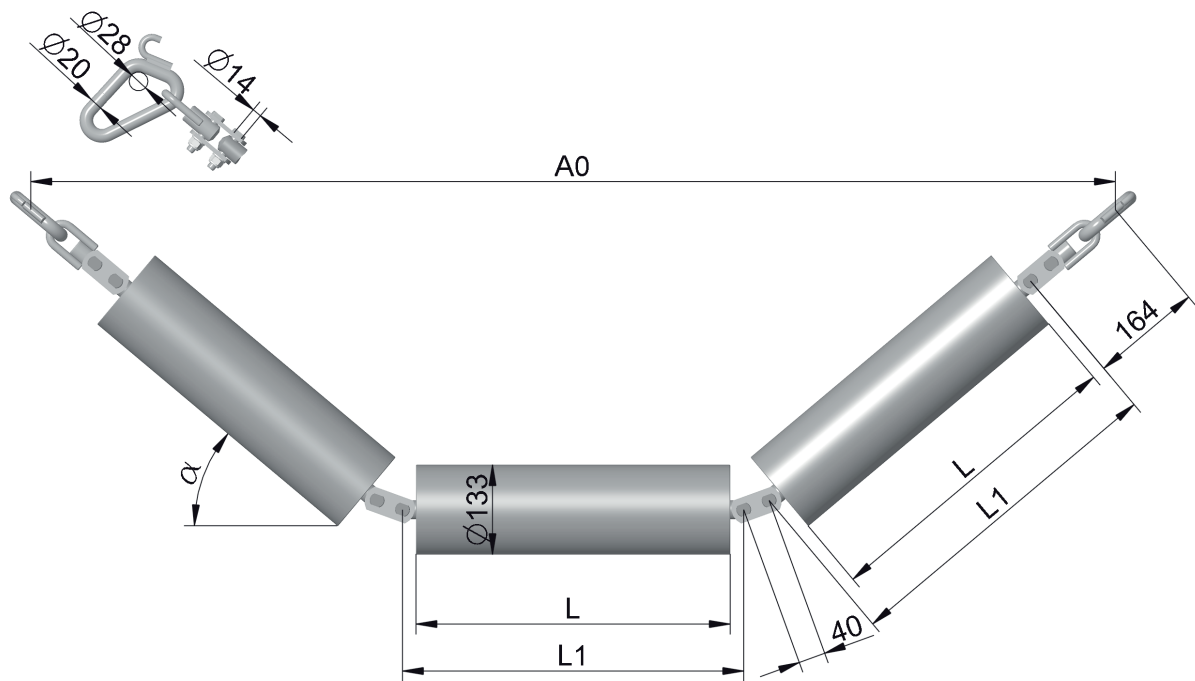


Ordering example:

Name, size, drawing no., quantity (pcs)

Garland station GLT B1200, 3-22464-15614, 100 pieces

	TOP GARLAND STATION GLZ 133 / 6306	Type: 22464
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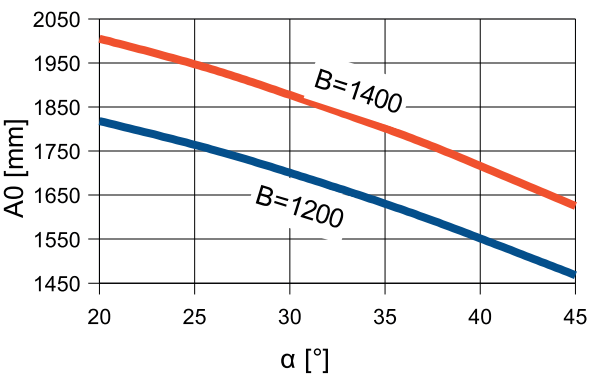
- station consists of three flat garland rollers $\varnothing 133$ with bearing 6306 (page 22)
- rollers are connected by slats and pins
- station is suspended by snap hooks
- multi-stage six-chamber labyrinth seal with grease prechamber and dust protection

Belt width	Drawing no.	Dimensions [mm]		Weight [kg]
		L	L1	
1200	3-22464-15613	465	505	36,6
1400	3-22464-16613	530	570	44,5

Garland stations are delivered on wooden pallets 1200x800 mm.

Surface finish:

anti-corrosive primer synthetic coating - black

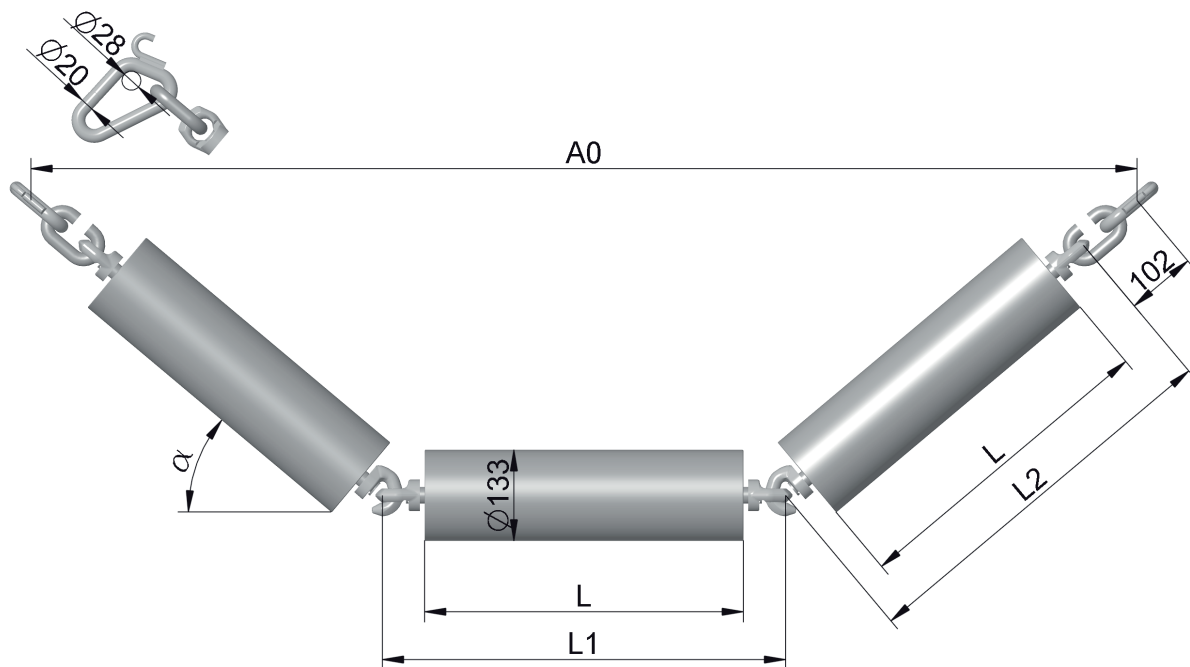


Ordering example:

Name, size, drawing no., quantity (pcs)

Garland station GLZ B1200, 3-22464-15613, 100 pieces

	TOP GARLAND STATION GOHZ 133 / 6306	Type: 22464
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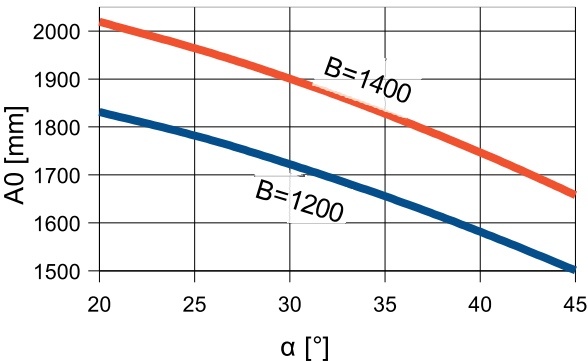
- station consists of three flat garland rollers $\varnothing 133$ with bearing 6306 (page 19)
- rollers are connected by forged loops and hooks which are parts of the rollers
- station is suspended by snap hooks
- multi-stage six-chamber labyrinth seal with grease prechamber and dust protection

Belt width	Drawing no.	Dimensions [mm]			Weight [kg]
		L	L1	L2	
1200	3-22064-15611	465	588	567	38,0
1400	3-22064-16611	530	653	632	42,0

Garland stations are delivered on wooden pallets 1200x800 mm.

Surface finish:

anti-corrosive primer synthetic coating - black

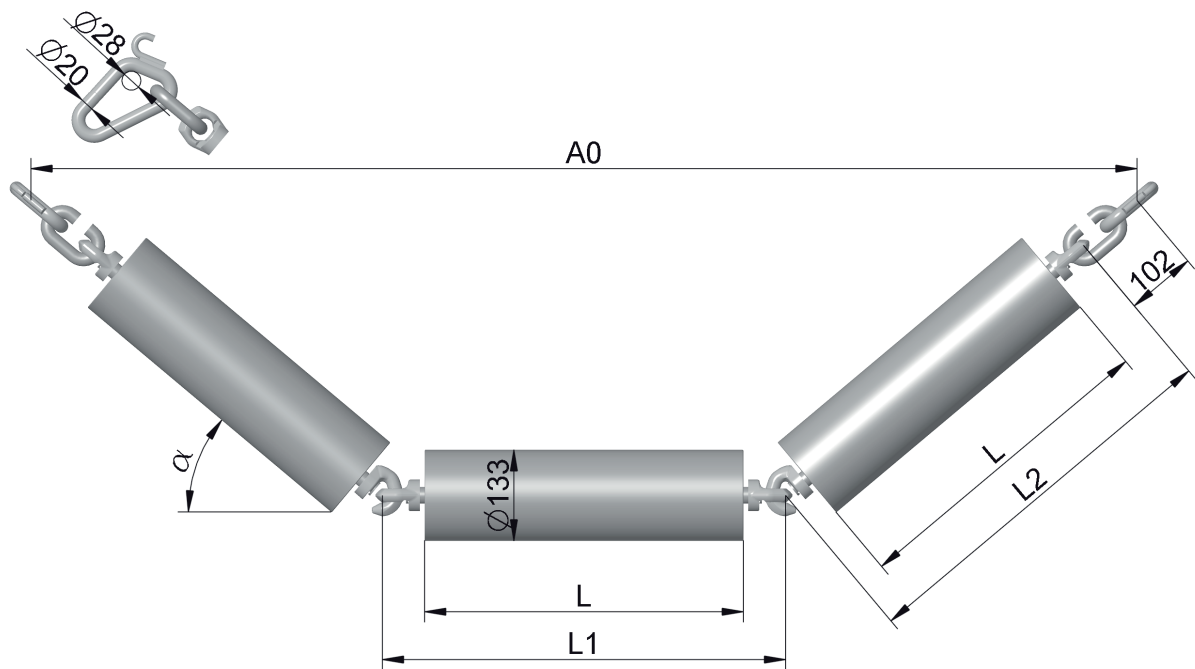


Ordering example:

Name, size, drawing no., quantity (pcs)

Garland station GOHZ B1200, 3-22064-15611, 100 pieces

	TOP GARLAND STATION GOHZ 133 / 6306	Type: 22064
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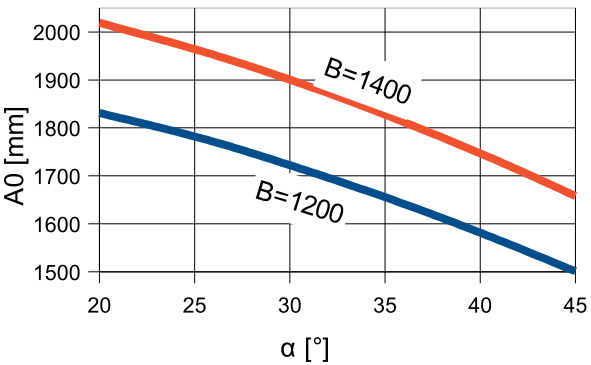
- station consists of three flat garland rollers $\varnothing 133$ with bearing 6306 (page 22)
- rollers are connected by forged loops and hooks which are parts of the rollers
- station is suspended by snap hooks
- multi-stage six-chamber labyrinth seal with grease prechamber and dust protection

Belt width	Drawing no.	Dimensions [mm]			Weight [kg]
		L	L1	L2	
1200	3-22064-15611	465	588	567	38,0
1400	3-22064-16611	530	653	632	42,0

Garland stations are delivered on wooden pallets 1200x800 mm.

Surface finish:

anti-corrosive primer synthetic coating - black

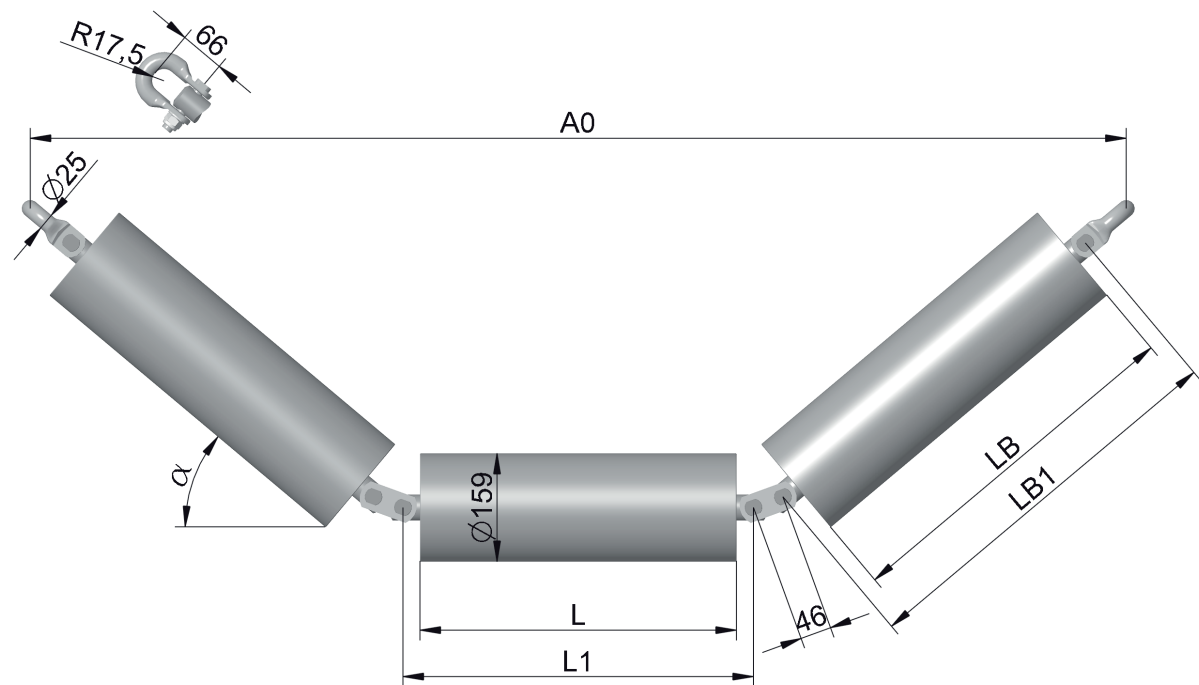


Ordering example:

Name, size, drawing no., quantity (pcs)

Garland station GOHZ B1200, 3-22064-15611, 100 pieces

	TOP GARLAND STATION GLT 159 / 6308	Type: 22474
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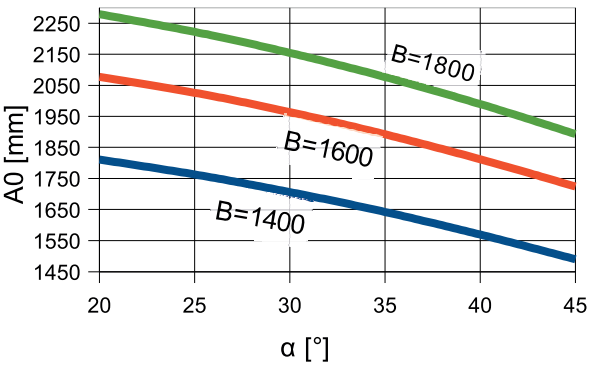
- station consists of three flat garland rollers $\varnothing 159$ with bearing 6308 (page 24)
- rollers are connected by slats and pins
- station is suspended by forged shackles
- multi-stage six-chamber labyrinth seal with grease prechamber and dust protection

Belt width	Drawing no.	Dimensions [mm]				Weight [kg]
		L	L1	LB	LB1	
1400	3-22474-16601	465	515	530	580	65,0
1600	3-22474-17614	600	650	600	650	74,0
1800	3-22474-18614	670	720	670	720	79,7

Garland stations are delivered on wooden pallets 1200x800 mm.

Surface finish:

anti-corrosive primer synthetic coating - black

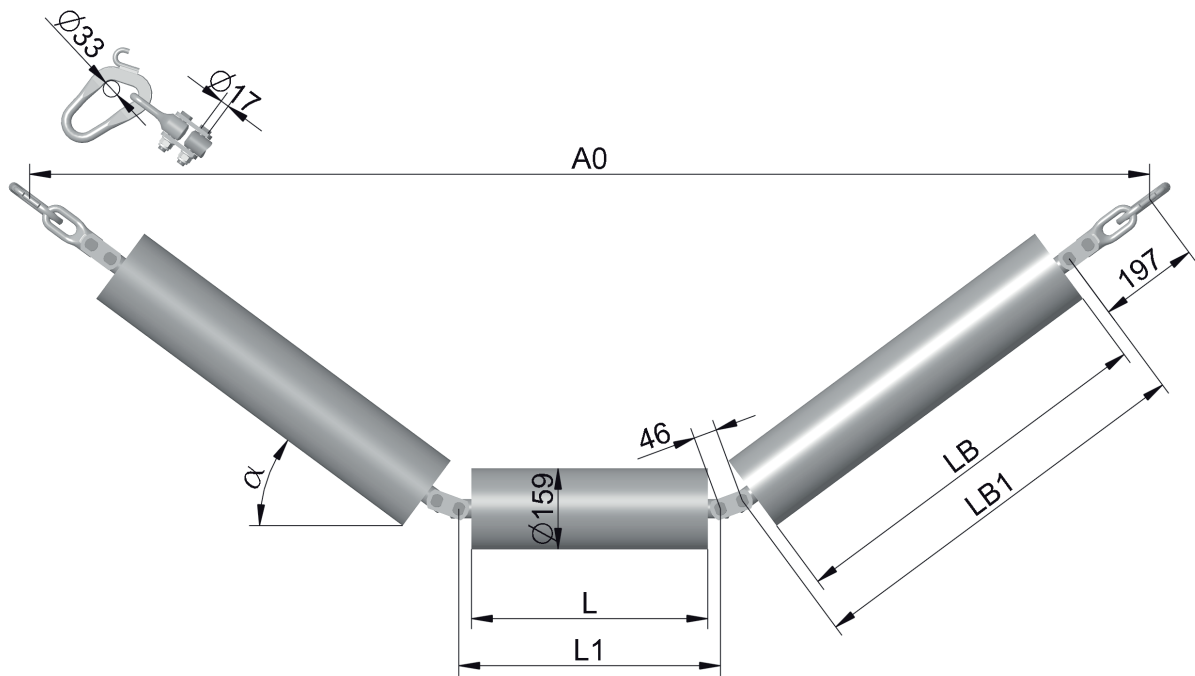


Ordering example:

Name, size, drawing no., quantity (pcs)

Garland station GLT B1400, 3-22474-16601, 100 pieces

	TOP GARLAND STATION GLZ 159 / 6308	Type: 22474
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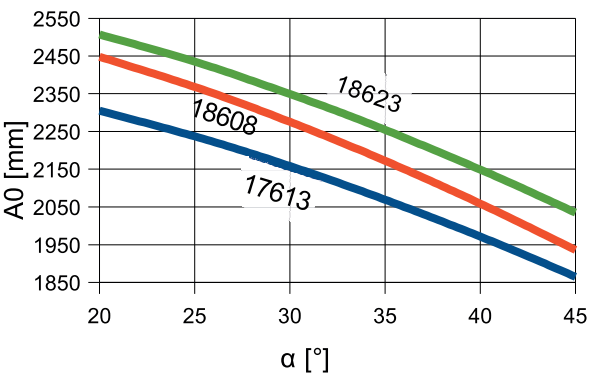
- station consists of three flat garland rollers $\varnothing 159$ with bearing 6308 (page 24)
- rollers are connected by slats and pins
- station is suspended by snap hooks
- multi-stage six-chamber labyrinth seal with grease prechamber and dust protection

Belt width	Drawing no.	Dimensions [mm]				Weight [kg]
		L	L1	LB	LB1	
1600	3-22474-17613	600	650	600	650	76,6
1800	3-22474-18608	465	515	750	800	81,0
1800	3-22474-18623	670	720	670	720	82,3

Garland station are delivered on wooden pallets 1200x800 mm.

Surface finish:

anti-corrosive primer synthetic coating - black

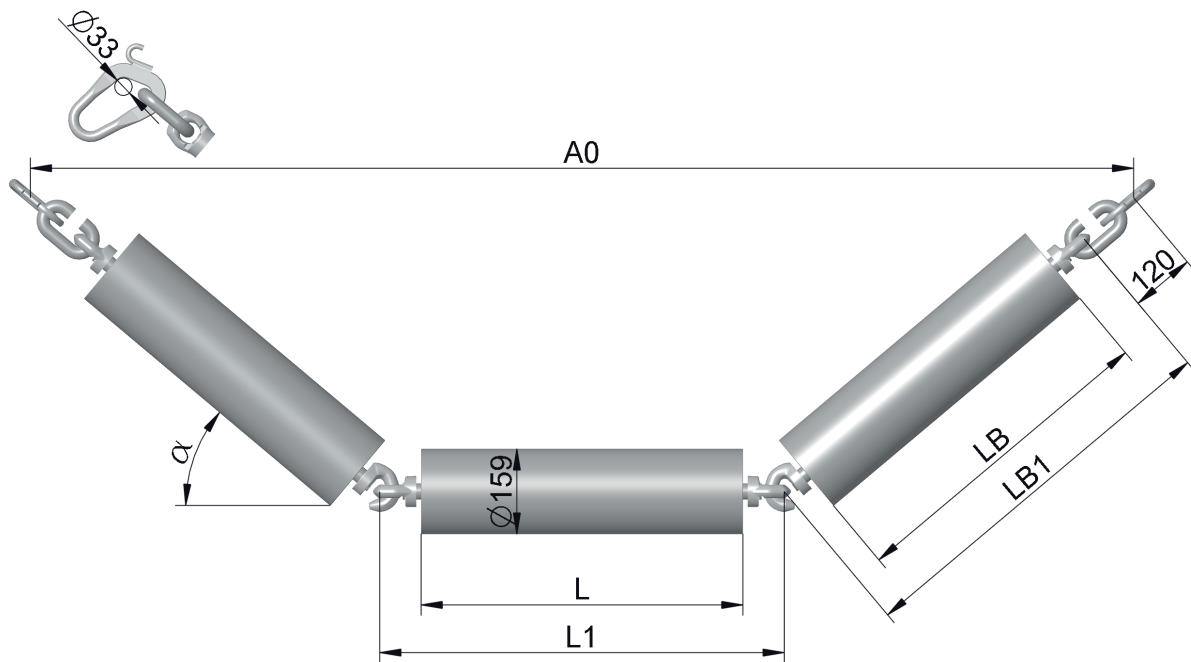


Ordering example:

Name, size, drawing no., quantity (pcs)

Garland station GLZ B1600, 3-22474-17613, 100 pieces

	TOP GARLAND STATION GOHZ 159 / 6308	Type: 22074
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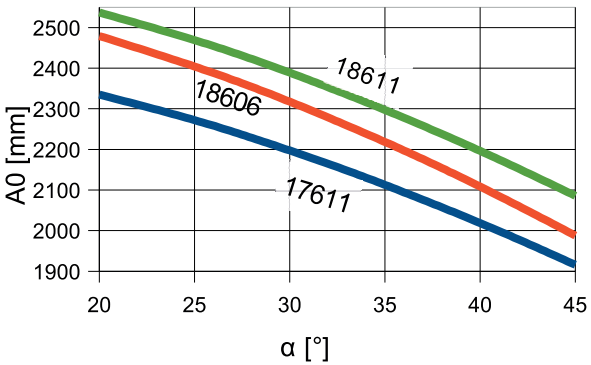
- station consists of three flat garland rollers $\varnothing 159$ with bearing 6308 (page 24)
- rollers are connected by forged loops and hooks which are parts of the rollers
- station is suspended by snap hooks
- multi-stage six-chamber labyrinth seal with grease prechamber and dust protection

Belt width	Drawing no.	Dimensions [mm]				Weight [kg]
		L	L1	LB	LB1	
1600	3-22074-17611	600	754	600	730	77,0
1800	3-22074-18606	465	619	750	880	81,6
1800	3-22074-18611	670	824	670	800	83,0

Garland stations are delivered on wooden pallets 1200x800 mm.

Surface finish:

anti-corrosive primer synthetic coating - black

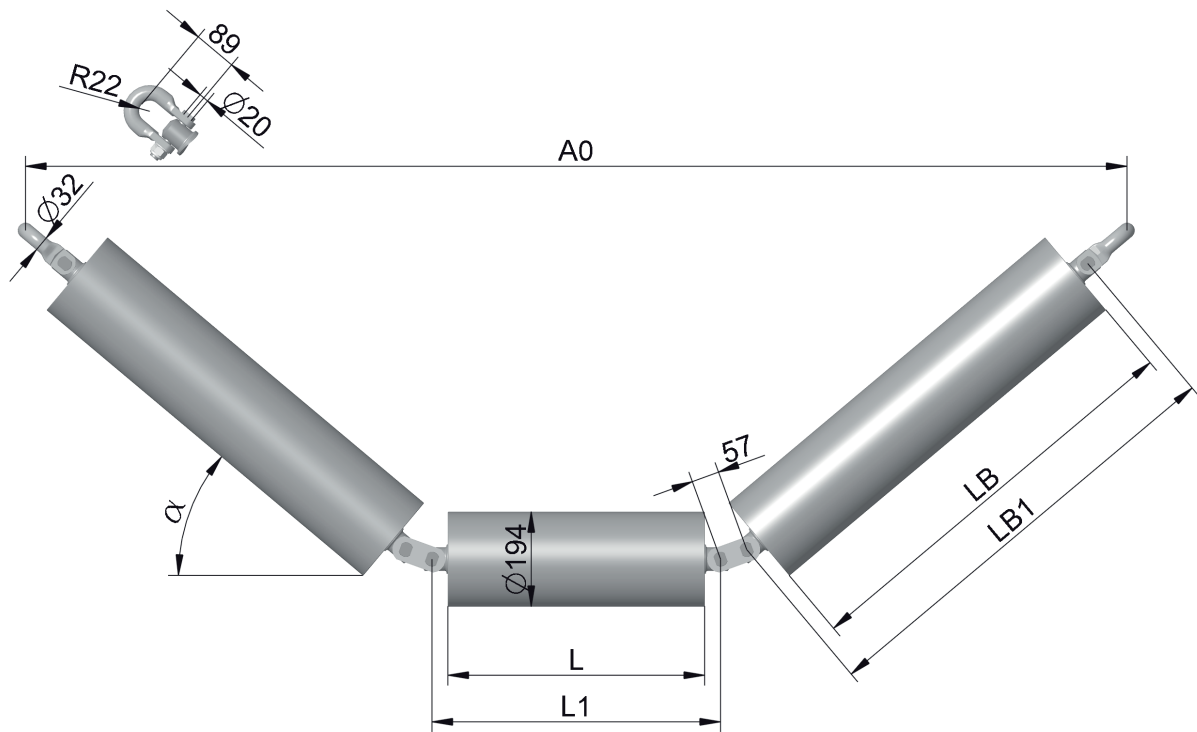


Ordering example:

Name, size, drawing no., quantity (pcs)

Garland station GOHZ B1600, 3-22074-17611, 100 pieces

	TOP GARLAND STATION GLT 194 / 6310, 6312	Type: 22484
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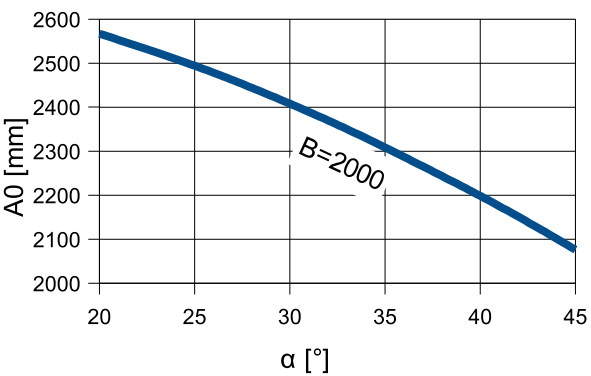
- station consists of three flat garland rollers $\varnothing 194$ with bearing 6310 (page 25), or 6312 (page 26)
- rollers are connected by slats and pins
- station is suspended by forged shackles
- multi-stage six-chamber labyrinth seal with grease prechamber and dust protection

Belt width	Drawing no.	Bearing	Dimensions [mm]				Weight [kg]
			L	L1	LB	LB1	
2000	1-22484-19603	6310	530	590	850	910	141
2000	1-22484-19614	6312	530	590	850	910	145

Garland stations are delivered on wooden pallets 1200x800 mm.

Surface finish:

anti-corrosive primer synthetic coating - black

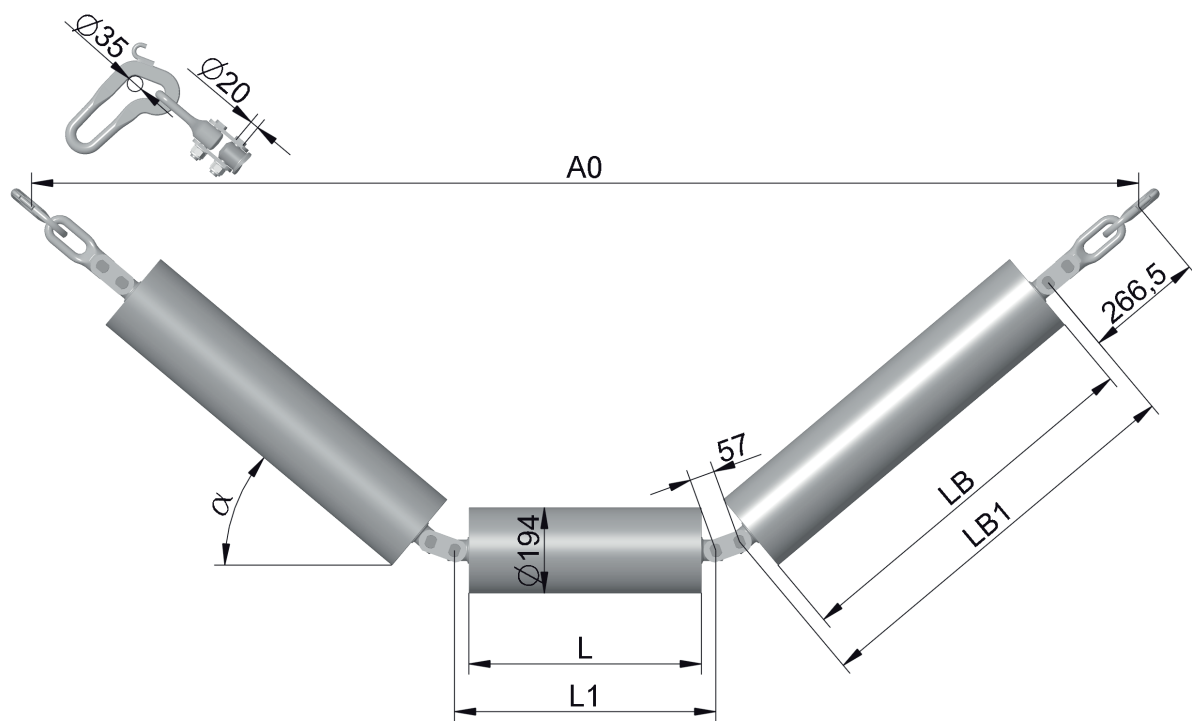


Ordering example:

Name, size, drawing no., quantity (pcs)

Garland station GLT B2000, 1-22484-19603, 100 pieces

	TOP GARLAND STATION GLZ 194 / 6312	Type: 22484
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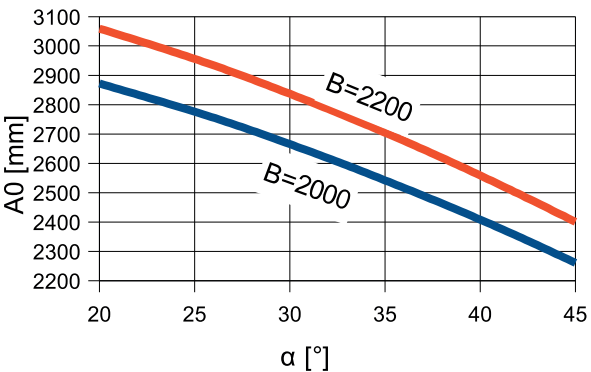
- station consists of three flat garland rollers ø194 with bearing 6312 (page 26)
- rollers are connected by slats and pins
- station is suspended by snap hooks
- multi-stage six-chamber labyrinth seal with grease prechamber and dust protection

Belt width	Drawing no.	Dimensions [mm]				Weight [kg]
		L	L1	LB	LB1	
2000	1-22484-19613	530	590	850	910	151
2200	3-22484-10713	530	590	950	1010	160

Garland station are delivered on wooden pallets 1200x800 mm.

Surface finish:

anti-corrosive primer synthetic coating - black

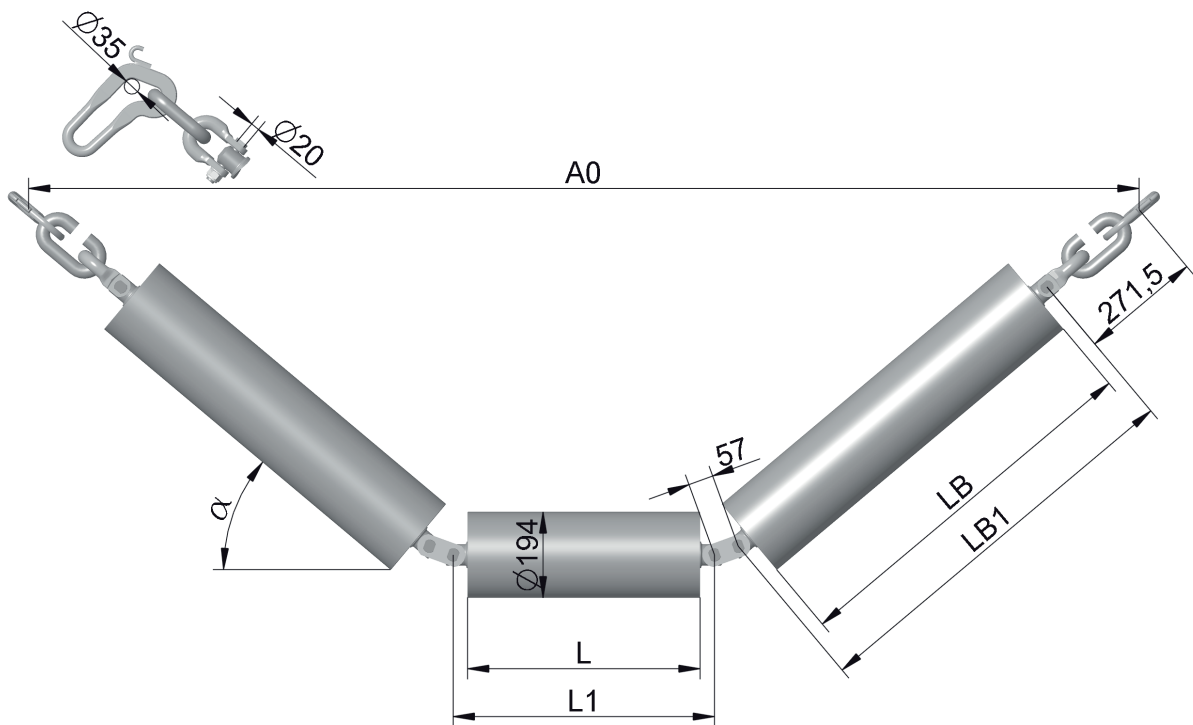


Ordering example:

Name, size, drawing no., quantity (pcs)

Garland station GLZ B2000, 3-22484-19613, 100 pieces

	TOP GARLAND STATION GLTZ 194 / 6312	Type: 22484
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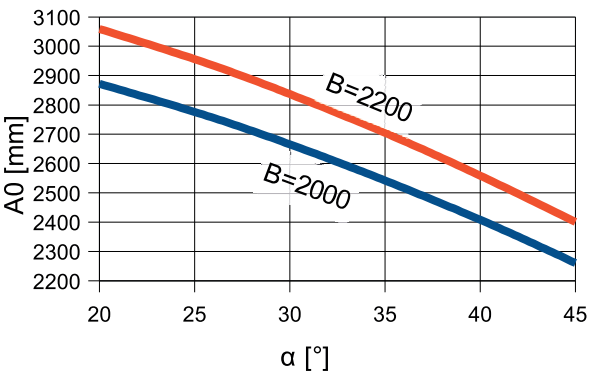
- station consists of three flat garland rollers $\varnothing 194$ with bearing 6312 (page 26)
- rollers are connected by slats and pins
- station is suspended by snap hooks
- multi-stage six-chamber labyrinth seal with grease prechamber and dust protection

Belt width	Drawing no.	Dimensions [mm]				Weight [kg]
		L	L1	LB	LB1	
2000	1-22484-19612	530	590	850	910	153
2200	3-22484-10712	530	590	950	1010	162

Garland station are delivered on wooden pallets 1200x800 mm.

Surface finish:

anti-corrosive primer synthetic coating - black

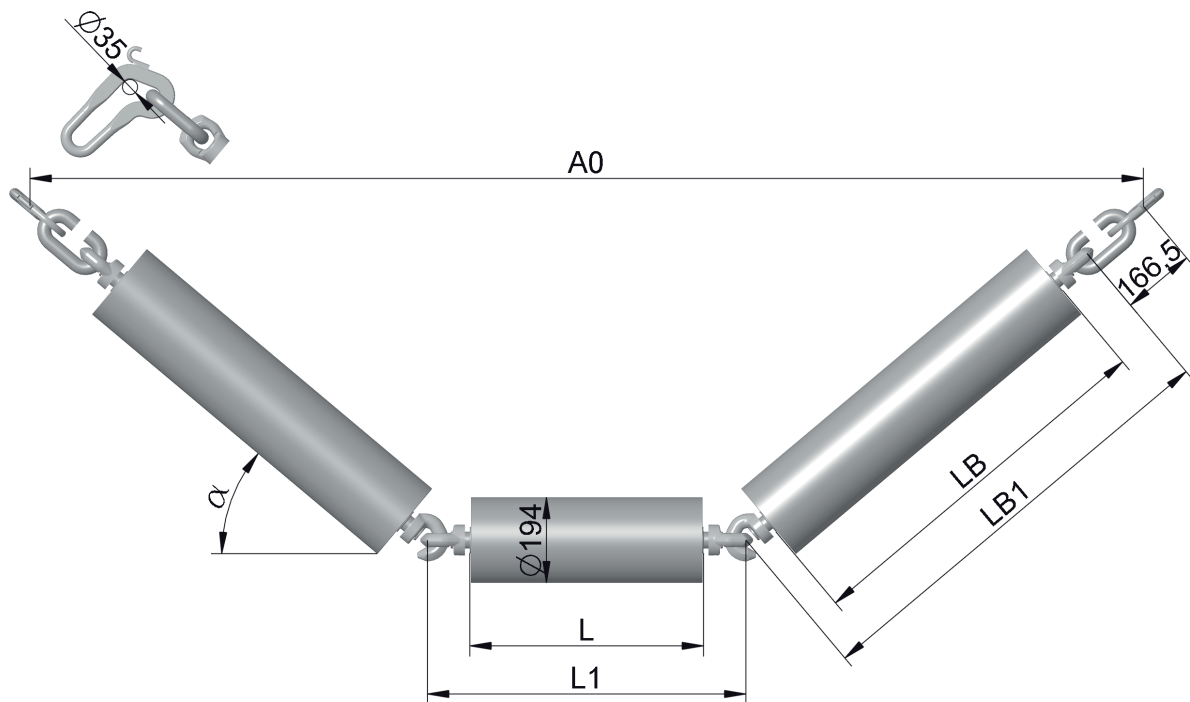


Ordering example:

Name, size, drawing no., quantity (pcs)

Garland station GLTZ B2000, 1-22484-19612, 100 pieces

	TOP GARLAND STATION GOHZ 194 / 6312	Type: 22084
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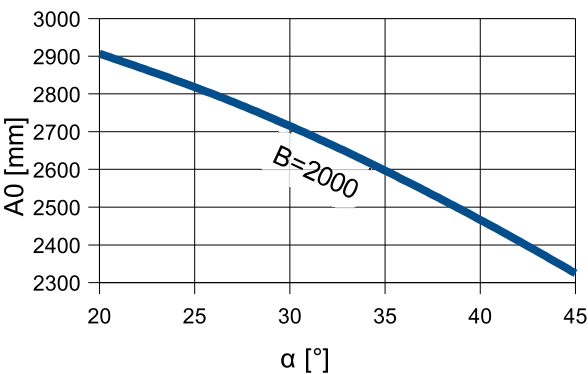
- station consists of three flat garland rollers $\varnothing 194$ with bearing 6312 (page 26)
- rollers are connected by forged loops and hooks which are parts of the rollers
- station is suspended by snap hooks
- multi-stage six-chamber labyrinth seal with grease prechamber and dust protection

Belt width	Drawing no.	Dimensions [mm]				Weight [kg]
		L	L1	LB	LB1	
2000	1-22084-19611	530	722	850	1010	150

Garland stations are delivered on wooden pallets 1200x800 mm.

Surface finish:

anti-corrosive primer synthetic coating - black



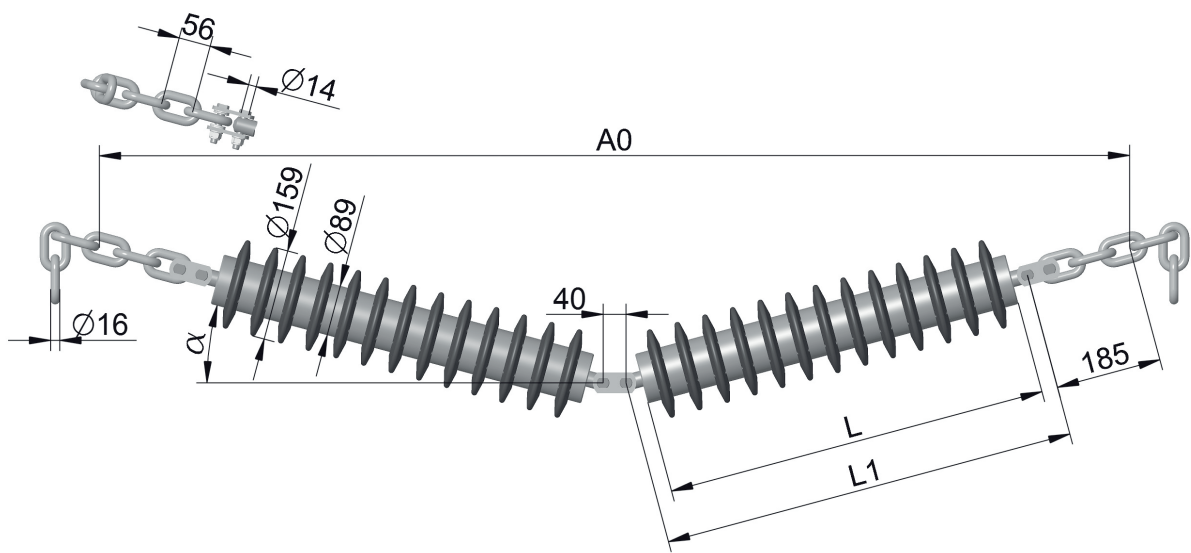
Ordering example:

Name, size, drawing no., quantity (pcs)

Garland station GOHZ B2000, 3-22084-19611, 100 pieces

BOTTOM GARLAND STATIONS

	BOTTOM GARLAND STATION DISC GLRD 159 / 89 / 6306	Type: 22574
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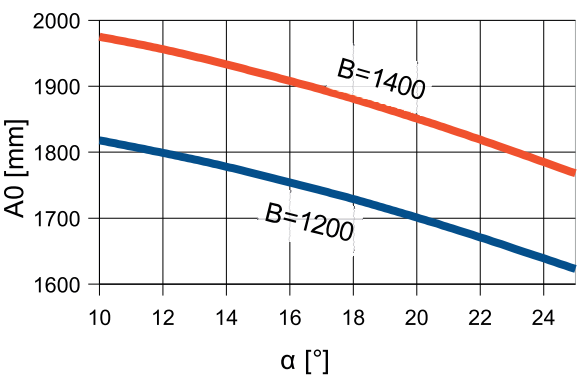
- station consists of two disc garland rollers $\varnothing 159/89$ with bearing 6306 (page 46)
- rollers are connected by slats and pins
- station is suspended by chains
- multi-stage six-chamber labyrinth seal with grease prechamber and dust protection

Belt width	Drawing no.	Dimensions [mm]		Weight [kg]
		L	L1	
1200	3-22574-15611	670	726	37,3
1400	3-22574-16609	750	806	40,7

Garland station is delivered unassembled as single rollers including suspending chains and slats on wooden pallets 1200x800 mm. Connection accessories (pins, cotter pins, nuts, washers) are delivered simultaneously in a separate box. Assembly of the garland is done in site.

Surface finish:

anti-corrosive primer synthetic coating - black

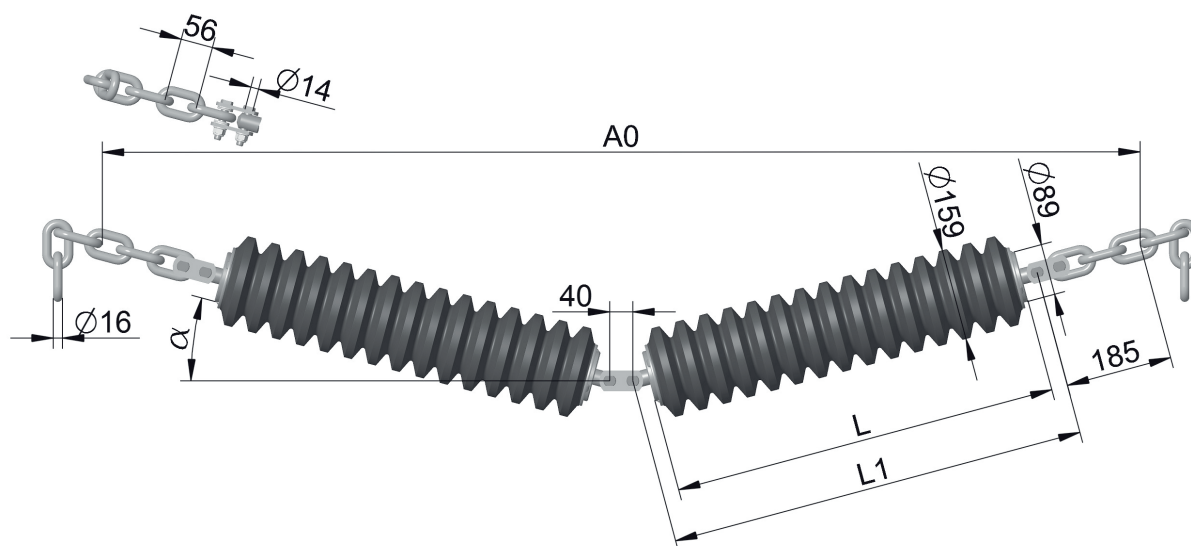


Ordering example:

Name, size, drawing no., quantity (pcs)

Bottom garland station GLRD B1200, 3-22574-15611, 50 pieces

	BOTTOM GARLAND STATION CORRUGATED GLRV 159 / 89 / 6306	Type: 22574
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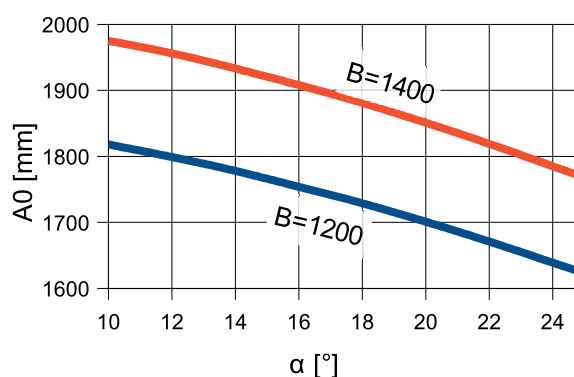
- station consists of two corrugated garland rollers $\varnothing 159/89$ with bearing 6306
- rollers are connected by slats and pins
- station is suspended by chains
- multi-stage six-chamber labyrinth seal with grease prechamber and dust protection

Belt width	Drawing no.	Dimensions [mm]		Weight [kg]
		L	L1	
1200	3-22574-15610	670	726	52,1
1400	3-22574-16610	750	806	57,1

Garland station is delivered unassembled as single rollers including suspending chains and slats on wooden pallets 1200x800 mm. Connection accessories (pins, cotter pins, nuts, washers) are delivered simultaneously in a separate box. Assembly of the garland is done in site.

Surface finish:

anti-corrosive primer synthetic coating - black

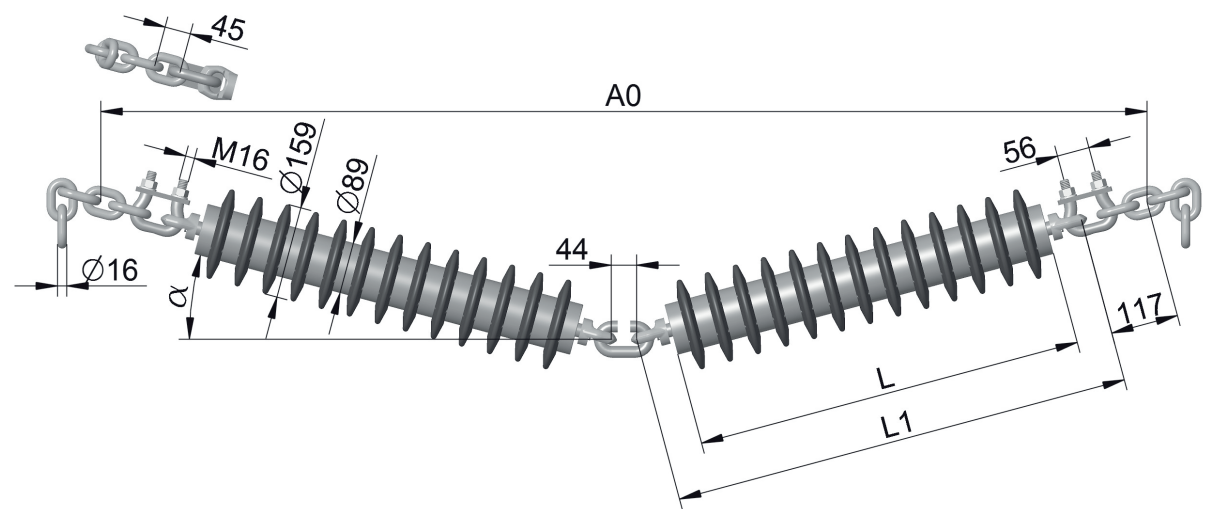


Ordering example:

Name, size, drawing no., quantity (pcs)

Bottom garland station GLRV B1200, 3-22574-15610, 50 pieces

	BOTTOM GARLAND STATION DISC GORD 159 / 89 / 6306	Type: 22374



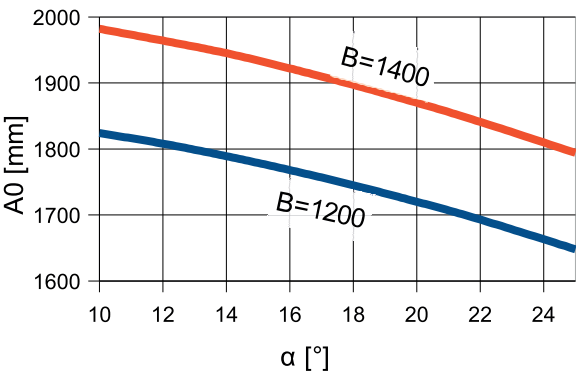
- station consists of two disc garland rollers $\varnothing 159/89$ with bearing 6306 (page 46)
- rollers are connected by loops and „C“ suspensions
- station is suspended by chains
- multi-stage six-chamber labyrinth seal with grease prechamber and dust protection

Belt width	Drawing no.	Dimensions [mm]		Weight [kg]
		L	L1	
1200	3-22374-15611	670	792	41,2
1400	3-22374-16611	750	872	48,6

Garland station is delivered unassembled as single rollers including suspending chains on wooden pallets 1200x800 mm. Connection accessories („C“ suspensions) are delivered simultaneously in a separate box.
Assembly of the garland is done in site.

Surface finish:

anti-corrosive primer synthetic coating - black

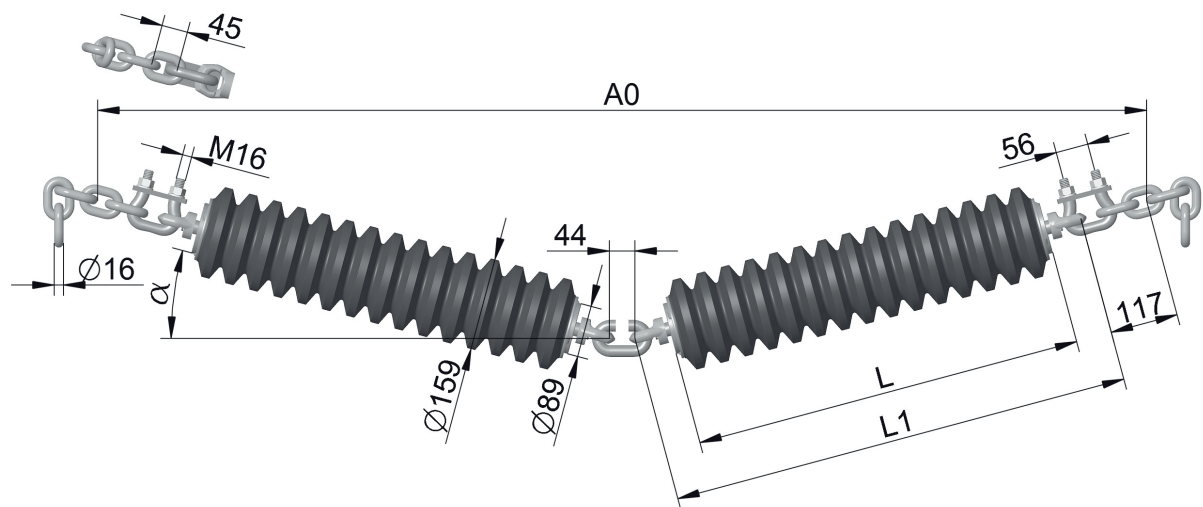


Ordering example:

Name, size, drawing no., quantity (pcs)

Bottom garland station GORD B1200, 3-22374-15611, 50 pieces

	BOTTOM GARLAND STATION CORRUGATED GORV 159 / 89 / 6306	Type: 22374
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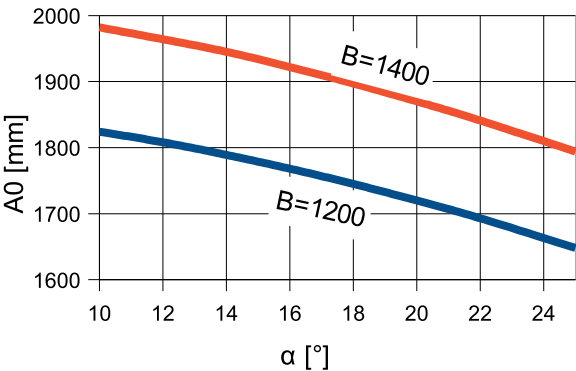
- station consists of two corrugated garland rollers $\varnothing 159/89$ with bearing 6306
- rollers are connected by loops and „C“ suspensions
- station is suspended by chains
- multi-stage six-chamber labyrinth seal with grease prechamber and dust protection

Belt width	Drawing no.	Dimensions [mm]		Weight [kg]
		L	L1	
1200	3-22374-15610	670	792	54,4
1400	3-22374-16610	750	872	58,6

Garland station is delivered unassembled as single rollers including suspending chains on wooden pallets 1200x800 mm. Connection accessories („C“ suspensions) are delivered simultaneously in a separate box.
Assembly of the garland is done in site.

Surface finish:

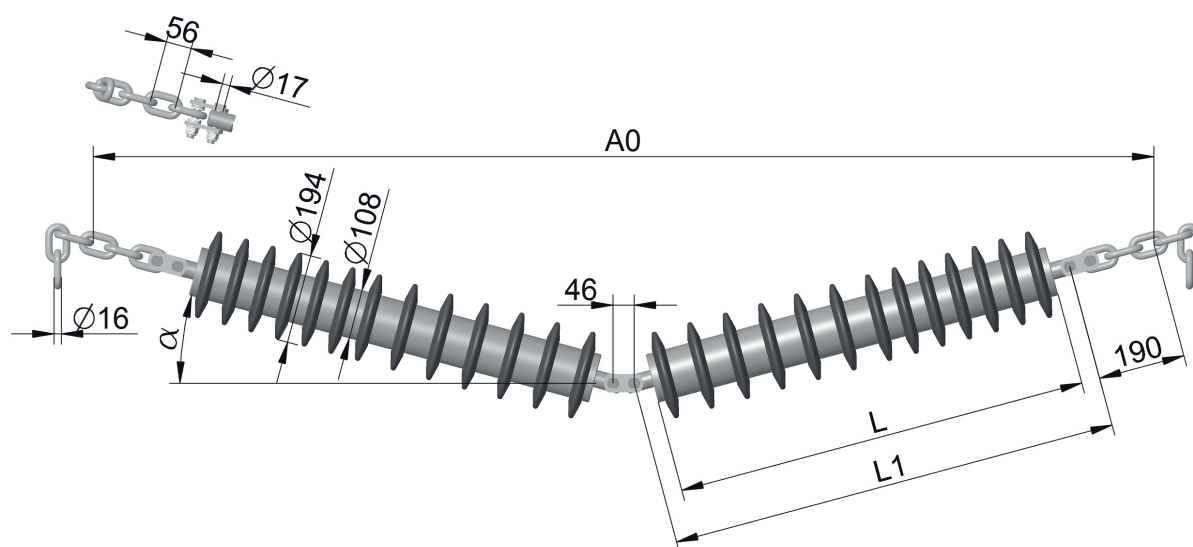
anti-corrosive primer synthetic coating - black



Ordering coating:

Name, size, drawing no., quantity (pcs)

Bottom garland station GORV B1200, 3-22374-15610, 50 pieces

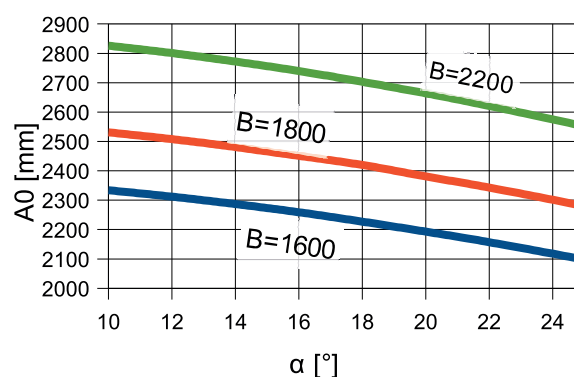


- station consists of two disc garland rollers ø194/108 with bearing 6308 (page [47](#))
- rollers are connected by slats and pins
- station is suspended by chains
- multi-stage six-chamber labyrinth seal with grease prechamber and dust protection

Belt width	Drawing no.	Dimensions [mm]		Weight [kg]
		L	L1	
1600	3-22584-17609	900	980	77,6
1800	1-22584-18609	1000	1080	90,2
2200	3-22584-10716	1150	1230	100,4

Garland station is delivered unassembled as single rollers including suspending chains and slats on wooden pallets 1200x800 mm. Connection accessories (pins, cotter pins, nuts, washers) are delivered simultaneously in a separate box.
Assembly of the garland is done in site.

anti-corrosive primer synthetic coating - black

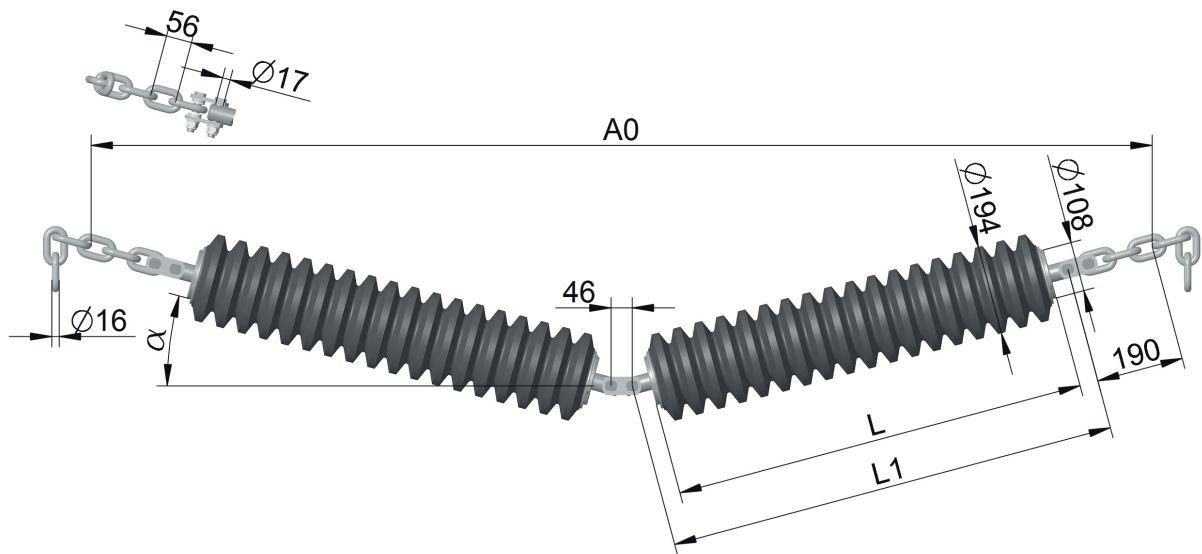


Ordering example:

Name, size, drawing no., quantity (pcs)

Bottom garland station GLRD B1600, 3-22584-17609, 50 pieces

	BOTTOM GARLAND STATION CORRUGATED GLRV 194 / 108 / 6308	Type: 22584
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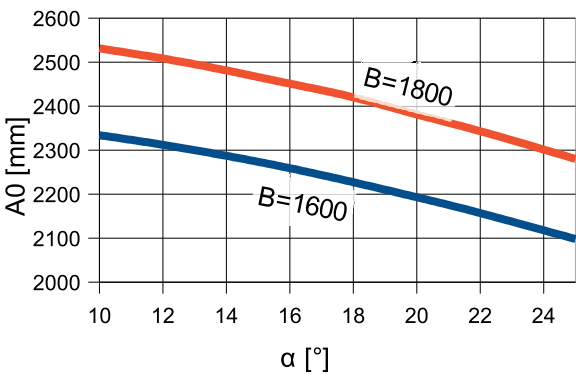
- station consists of two corrugated garland rollers $\varnothing 194/108$ with bearing 6308 (page 48)
- rollers are connected by slats and pins
- station is suspended by chains
- multi-stage six-chamber labyrinth seal with grease prechamber and dust protection

Belt width	Drawing no.	Dimensions [mm]		Weight [kg]
		L	L1	
1600	3-22584-17613	900	980	104,6
1800	1-22584-18610	1000	1080	114,8

Garland station is delivered unassembled as single rollers including suspending chains and slats on wooden pallets 1200x800 mm. Connection accessories (pins, cotter pins, nuts, washers) are delivered simultaneously in a separate box. Assembly of the garland is done in site.

Surface finish:

anti-corrosive primer synthetic coating - black

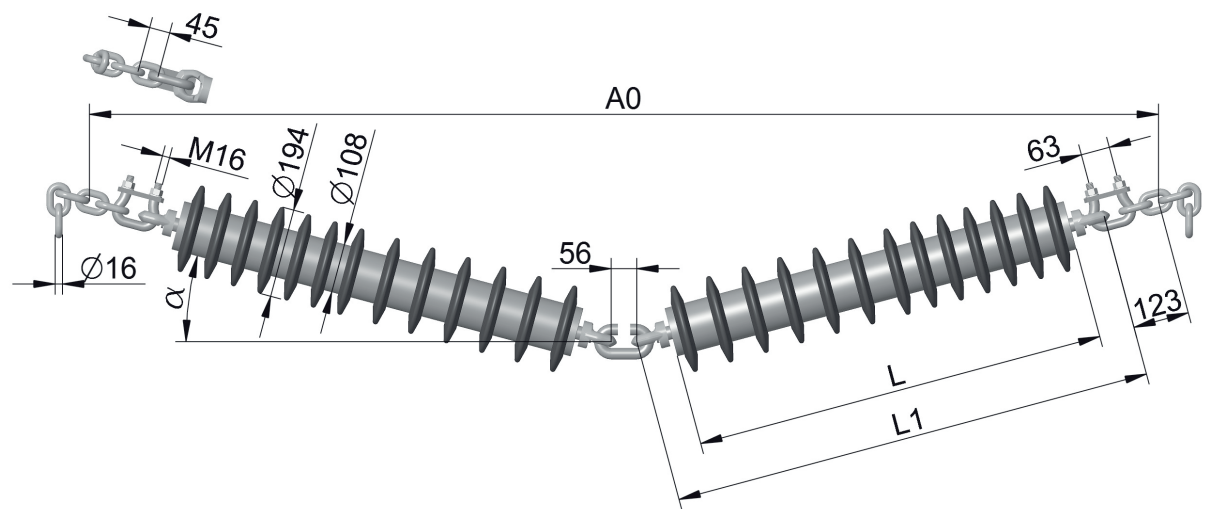


Ordering example:

Name, size, drawing no., quantity (pcs)

Bottom garland station GLRV B1600, 3-22584-17613, 50 pieces

	BOTTOM GARLAND STATION DISC GORD 194 / 108 / 6308	Type: 22384
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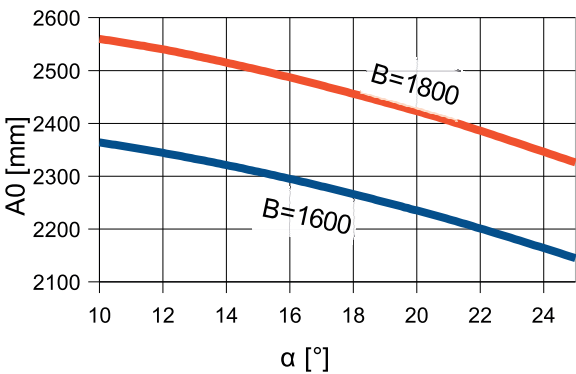
- station consists of two disc garland rollers $\varnothing 194/108$ with bearing 6308 (page 47)
- rollers are connected by loops and „C“ suspensions
- station is suspended by chains
- multi-stage six-chamber labyrinth seal with grease prechamber and dust protection

Belt width	Drawing no.	Dimensions [mm]		Weight [kg]
		L	L1	
1600	3-22384-17612	900	1054	70,3
1800	1-22384-18611	1000	1154	78,9

Garland station is delivered unassembled as single rollers including suspending chains on wooden pallets 1200x800 mm. Connection accessories („C“ suspensions) are delivered simultaneously in a separate box.
Assembly of the garland is done in site.

Surface finish:

anti-corrosive primer synthetic coating - black

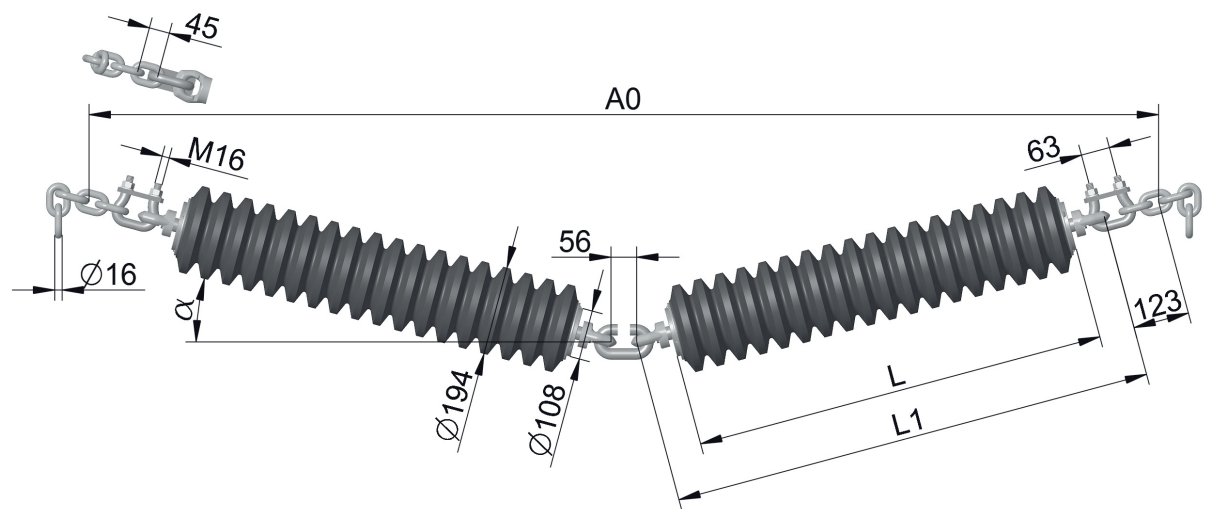


Ordering example:

Name, size, drawing no., quantity (pcs)

Bottom garland station GORD B1600, 3-22384-17612, 50 pieces

	BOTTOM GARLAND STATION CORRUGATED GORV 194 / 108 / 6308	Type: 22384
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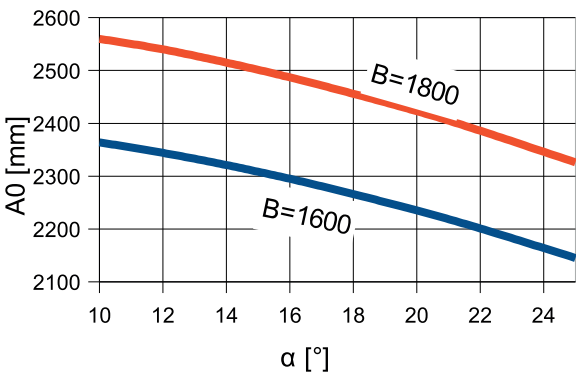
- station consists of two corrugated garland rollers $\varnothing 194/108$ with bearing 6308 (page 48)
- rollers are connected by loops and „C“ suspensions
- station is suspended by chains
- multi-stage six-chamber labyrinth seal with grease prechamber and dust protection

Belt width	Drawing no.	Dimensions [mm]		Weight [kg]
		L	L1	
1600	3-22384-17610	900	1054	98,8
1800	3-22384-18610	1000	1154	108,5

Garland station is delivered unassembled as single rollers including suspending chains on wooden pallets 1200x800 mm. Connection accessories („C“ suspensions) are delivered simultaneously in a separate box.
Assembly of the garland is done in site.

Surface finish:

anti-corrosive primer synthetic coating - black

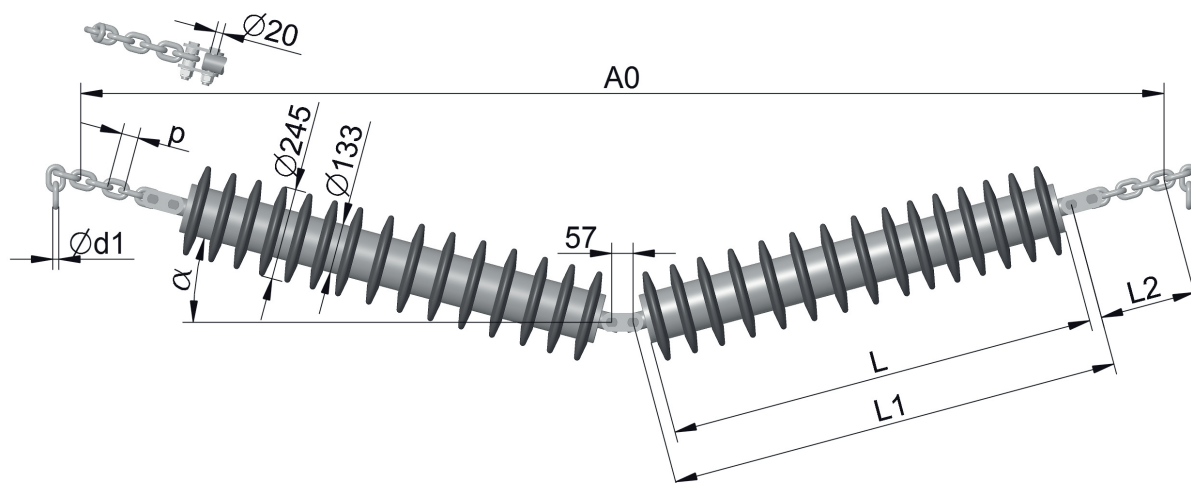


Ordering example:

Name, size, drawing no., quantity (pcs)

Bottom garland station GORV B1600, 3-22384-17610, 50 pieces

	BOTTOM GARLAND STATION DISC GLRD 245 / 133 / 6310	Type: 22594
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- station consists of two disc garland roller ø245/133 with bearing 6310 (page 49)
- rollers are connected by slats and pins
- station is suspended by chains
- multi-stage six-chamber labyrinth seal with grease prechamber and dust protection

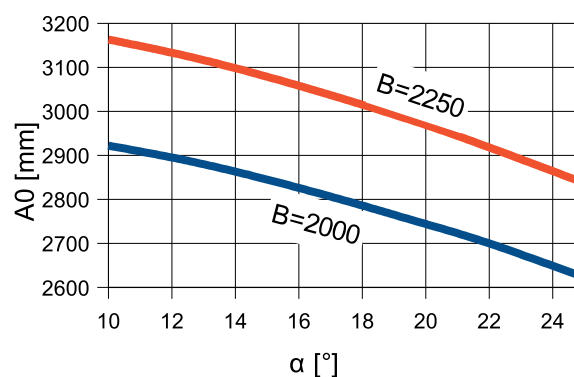
Belt width	Drawing no.	Dimensions [mm]				Weight [kg]
		L	L1	L2	d1×p	
2000	3-22594-19609	1150	1210	256	16×45	150,2
2250	1-22594-11709	1250	1310	279	18×50	162,8

Garland station is delivered unassembled as single rollers including suspending chains and slats on wooden pallets 1200x800 mm. Connection accessories (pins, cotter pins, nuts, washers) are delivered simultaneously in a separate box.

Assembly of the garland is done in site.

Surface finish:

anti-corrosive primer synthetic coating - black

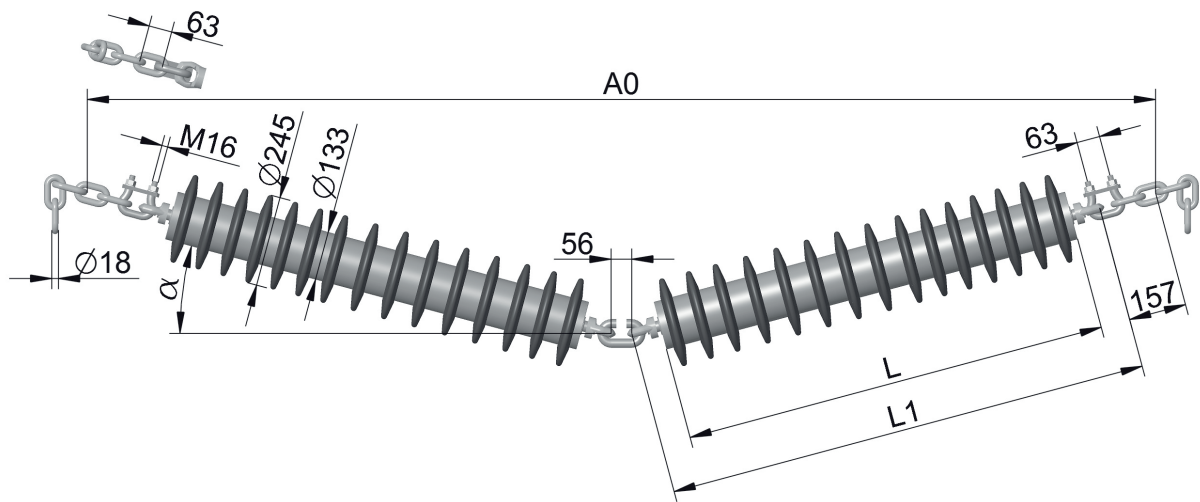


Ordering example:

Name, size, drawing no., quantity (pcs)

Bottom garland station GLRD B2000, 3-22594-19609, 50 pieces

	BOTTOM GARLAND STATION DISC GORD 245 / 133 / 6310	Type: 22394
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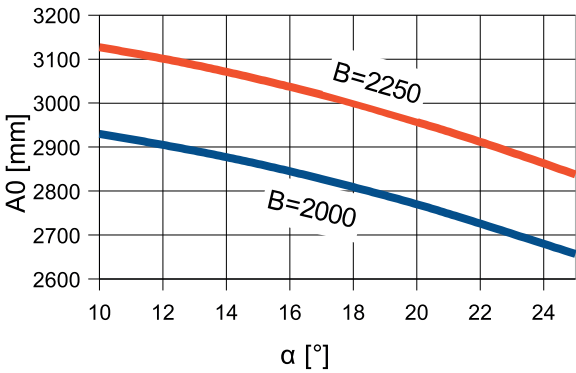
- station consists of two disc garland rollers $\varnothing 245/133$ with bearing 6310 (page 49)
- rollers are connected by loops and „C“ suspensions
- station is suspended by chains
- multi-stage six-chamber labyrinth seal with grease prechamber and dust protection

Belt width	Drawing no.	Dimensions [mm]		Weight [kg]
		L	L1	
2000	3-22394-19611	1157	1309	154,1
2250	3-22394-11711	1257	1409	166,9

Garland station is delivered unassembled as single rollers including suspending chains on wooden pallets 1200x800 mm. Connection accessories („C“ suspensions) are delivered simultaneously in a separate box.
Assembly of the garland is done in site.

Surface finish:

anti-corrosive primer synthetic coating - black

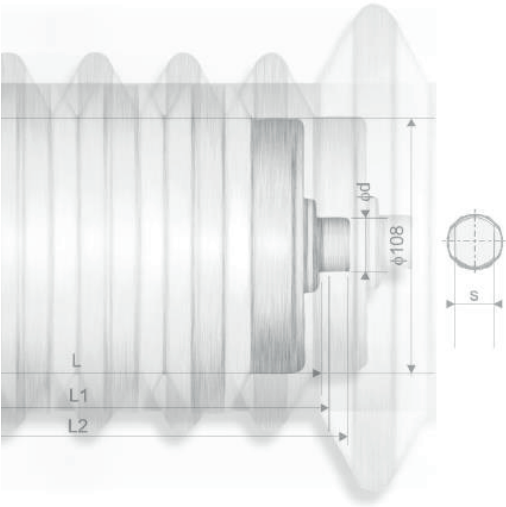


Ordering example:

Name, size, drawing no., quantity (pcs)

Bottom garland station GORD B2000, 3-22394-19611, 50 pieces

IDLER STATIONS



Technical conditions

Idler stations

These technical conditions (hereafter referred to as “TC“ only) are valid for standard idler stations installed in centre part of upper and lower line of belt conveyor and feeder part of belt conveyor with belt width up to 2000 mm.

IDLER STATION TYPES

- Angle profile idler stations for upper line of belt conveyor, belt width $B = 400 - 1400$ mm and belt speed up to 3,15 m/s according to trough shape and idler use.
 - o Single-roller station type 307
 - o Two-roller station type 314 T
 - o Two-roller centering station type 314 S
 - o Three-roller station for troughing and trough-forming types 306 T and 306 N
 - o Three-roller centering station types 306 ST and 306 SN
 - o Self-aligning stations type 308
- For lower line of belt conveyor and belt speed up to $v = 3,15$ m/s.
 - o Roller brackets type 313
- Steel tube idler stations for belt width $B = 1000 - 2000$ mm and belt speed up to $v = 5,0$ m/s.
 - o Upper line idler stations for troughing and trough-forming types 301 and 303
 - o Impact idler stations for feeder type 302
 - o Self-aligning centering stations for upper line type 304
 - o Self-aligning centering stations for lower line type 305

DESIGN DESCRIPTION

Angle profile stations $B = 400 - 1400$ mm are designed for installation on U-shaped conveyor frame. Mounting on conveyor frame is carried out by using bracket attachments and without drilling slots into the frame. Stations are made of angle profiles and flat profiles welded together. Roller brackets are also mounted without drilling slots.

Steel tube stations $B = 1000 - 2000$ mm are partially sunk in between framework in order to reduce tilting. They are made of bent tubes and steel parts welded together. Mounting on conveyor frame is carried out by using bolts and nuts (not included in deliveries).

More detailed illustrations and dimensions are listed in respective catalogue pages.

OPERATING AND TECHNICAL DATA

• Load

Stations are designed according to belt dimensions and frame construction in compliance with ČSN 26 1102 for belt fully loaded with bulk material as follows:

- o $1,4 \text{ t/m}^3$ for two-roller stations
- o $2,1 \text{ t/m}^3$ for single-roller and three-roller stations and material granularity in compliance with ISO 3435 (ČSN 260070)

Assumed station spacing is 1 m for angle profile stations and 1,2 m for tube stations.

• Climatic environment

Stations are suitable for climatic environment WT and combination of chemical and mechanical pollution IE41 (ČSN EN 60 721-3-4 and ČSN 03 8009)

- Recommended transport velocity

- o Angle profile two-roller stations belt width $B = 400 - 650$: $v = 2$ m/s
- o Angle profile single-roller and three-roller stations belt width $B = 400 - 1400$ mm: $v = 3, 15$ m/s
- o Tube stations belt width $B = 1000 - 2000$ mm: $v = 5$ m/s

- Installation and maintenance

Station installation is carried out by authorized personnel or company. Placing rollers into station cannot be performed by using excessive force in order to prevent damaging both station and roller. Guide roller shafts must be secured in its position in holder by bolt and nut. Station maintenance consists of regular station repainting and regular functionality check of self-aligning stations.

- Station lifetime

It is basically unlimited and depends on maintaining anticorrosive protection.

COMMERCIAL TERMS

- Purchase order must include:

Item name, drawing number, quantity, special requirements, if any (surface finish finish, packing, etc.)

- Delivery and packing

Stations are delivered on wooden pallets 1200x800 mm in bundles with maximum weight of 850 kg. Each pallet is marked with item name, quantity, item drawing number and order number.

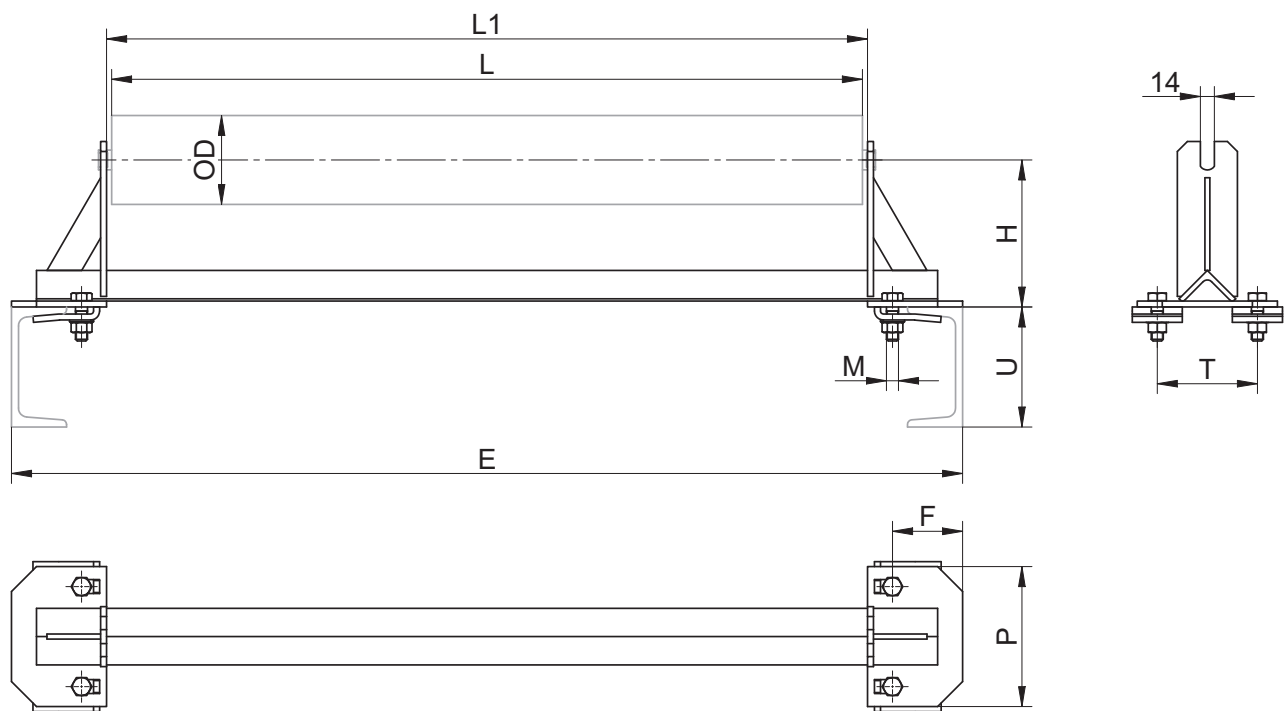
- Please note that idler stations are delivered without carry and guide rollers. It is necessary to order these rollers individually

.

- Warranty

Producer provides 10-year warranty period if all conditions and requirements in these TC are complied with.

	SINGLE-ROLLER STATION	Type: 307
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- Made of steel sheet parts and rolled profiles welded together
- Equipped with slots for installation of rollers and flanges for mounting on U-shaped conveyor frame with bracket attachments
- Bracket attachments with connecting items for mounting on conveyor frame are included in station delivery
- Carry rollers are not included in station delivery

Belt width B	E	Drawing no.	D	L	L1	H	F	P	T	M	U	Weight kg
400	700	4-30706-00002	63 ÷ 89	500	510	106	70	140	100	12	100÷140	4,7
500	800	4-30716-00002	63 ÷ 89	600	610	106	70	140	100			5,0
650	950	4-30726-00003	63 ÷ 108	750	760	146	70	140	100			5,7
800	1150	4-30736-00006	89, 108	950	960	146	70	140	100			6,3
1000	1350	4-30746-00004	108, 133	1150	1160	180	85	160	120	16	120÷160	10,6
1200	1600	4-30756-00003	108, 133	1400	1410	180	85	160	120			11,6
1400	1800	4-30766-00001	133	1600	1610	187	85	160	120			15,1

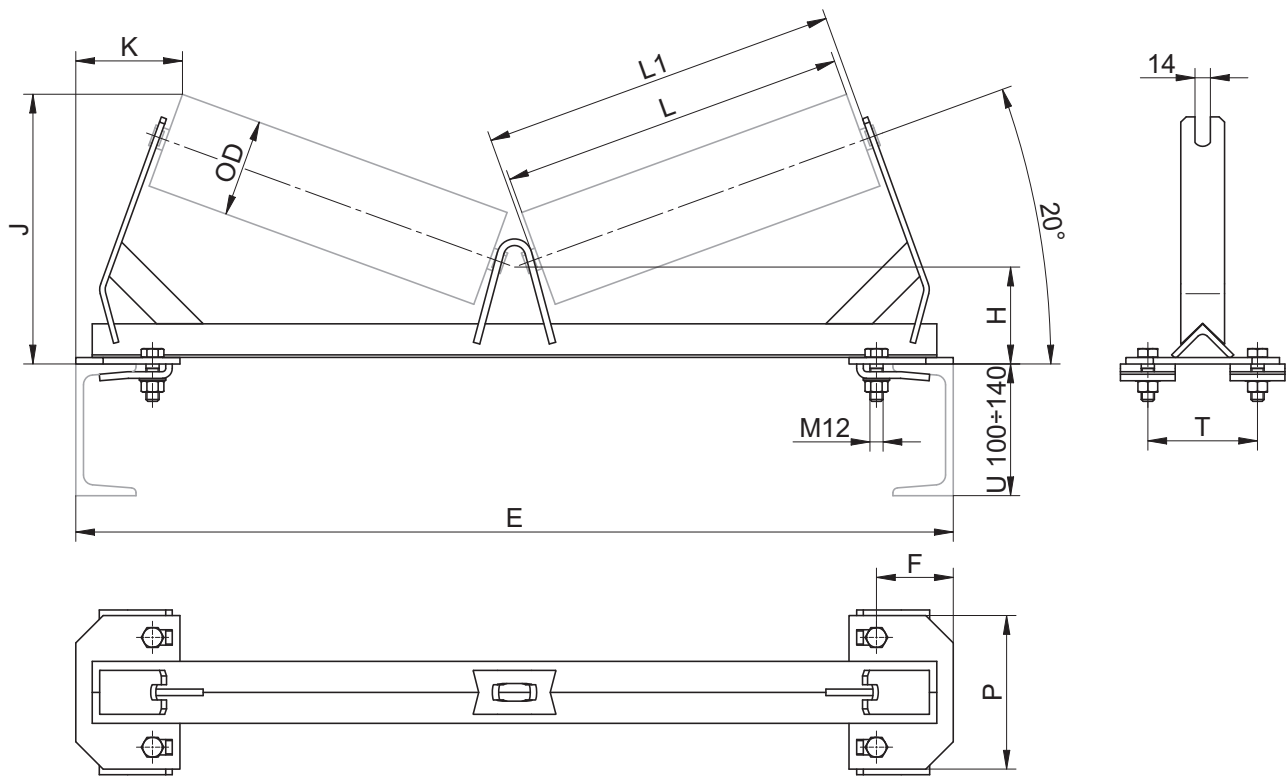
Surface finish:

anticorrosive black synthetic primer

Other surface finish options:

Galvanizing

	TWO-ROLLER STATION	Type: 314 T
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- Made of steel sheet parts and rolled profiles welded together
- Equipped with slots for installation of rollers and flanges for mounting on U-shaped conveyor frame with bracket attachments
- Bracket attachments with connecting items for mounting on conveyor frame are included in station delivery
- Carry rollers are not included in station delivery

Belt width B	E	Drawing no.	D	L	L1	H	J	K	F	P	T	Weight kg
400	700	4-31406-00018	63 ÷ 89	250	260	88	224	108	95	140	100	5,1
500	800	4-31416-00008		315	325	88	246	97				5,5
650	950	4-31426-00009		380	390	111	290	114		160	120	6,9

Dimensions J and K apply to the largest D dimension.

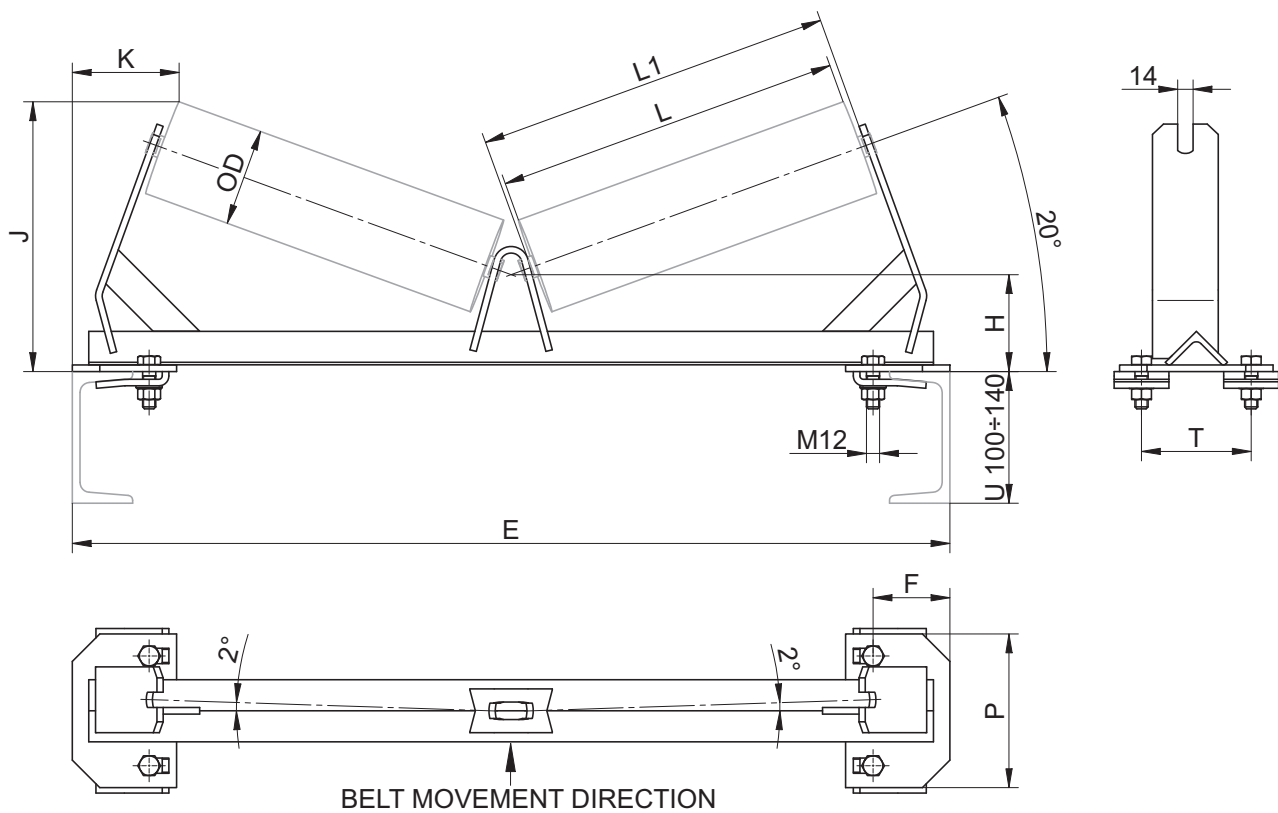
Surface finish:

anticorrosive black synthetic primer

Other surface finish options:

Galvanizing

	TWO-ROLLER CENTERING STATION	Type: 314 S
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- Made of steel sheet parts and rolled profiles welded together
- Equipped with slots for installation of rollers in arrow-like direction, which has a centering effect on the belt, and flanges for mounting on U-shaped conveyor frame with bracket attachments
- Bracket attachments with connecting items for mounting on conveyor frame are included in station delivery
- Carry rollers are not included in station delivery

Belt width B	E	Drawing no.	D	L	L1	H	J	K	F	P	T	Weight kg
400	700	4-31406-00020	63 ÷ 89	250	260	88	224	108	95	140	100	5,1
500	800	4-31416-00013		315	325	88	246	97				6,1
650	950	4-31426-00028		380	390	111	290	114		160	120	7,6

Dimensions J and K apply to the largest D dimension.
It is required to install station according to belt movement direction.

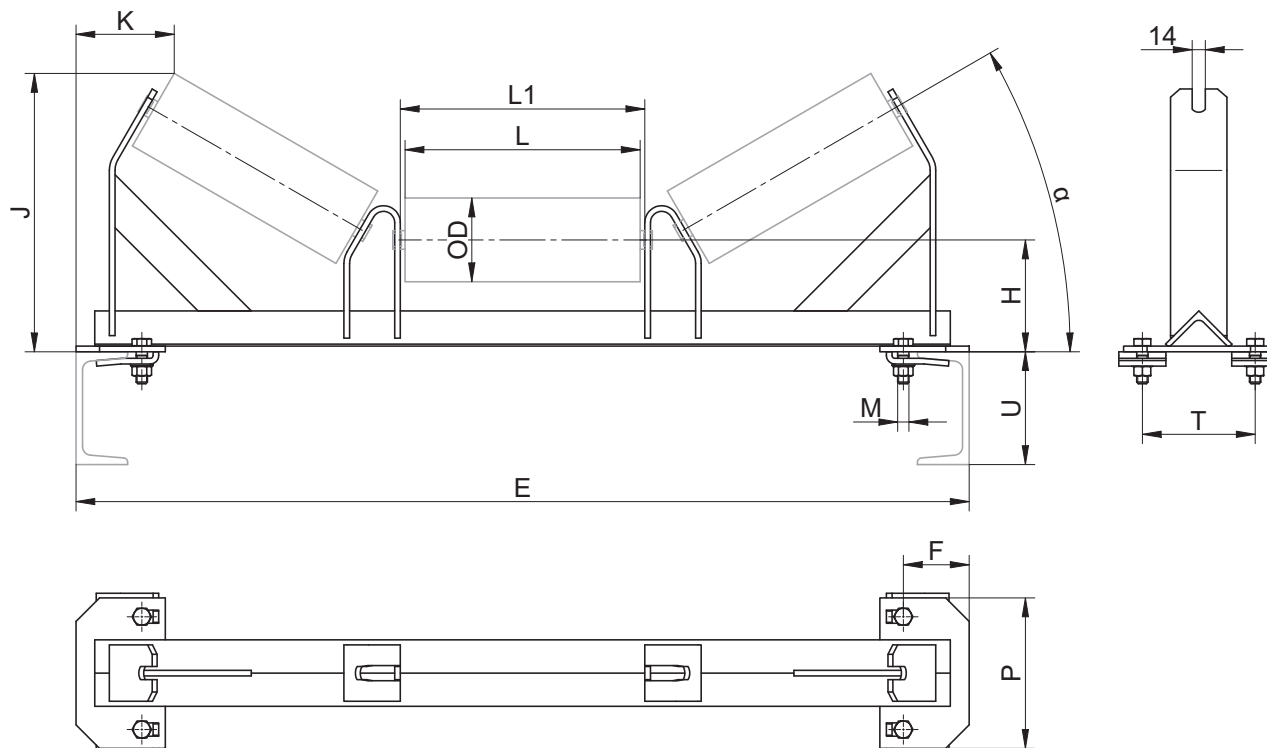
Surface finish:

anticorrosive black synthetic primer

Other surface finish options:

Galvanizing

	THREE-ROLLER STATION	Type: 306 T
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- Made of steel sheet parts and rolled profiles welded together
- Equipped with slots for installation of rollers and flanges for mounting on U-shaped conveyor frame with bracket attachments
- Bracket attachments with connecting items for mounting on conveyor frame are included in station delivery
- Carry rollers are not included in station delivery

Belt width B	E	Drawing no.	D	L	L1	H	J	K	F	P	T	M	α	U	Weight kg	
400	700	4-30606-00001	63 ÷ 89	160	170	100	204	100	70	140	100	12	20°	100÷140	6,1	
500	800	4-30616-00001	63 ÷ 89	200	210	100	217	92					25°		6,5	
650	950	4-30626-00002	63 ÷ 108	250	260	119	282	106		160	120				8,6	
650	950	4-30626-00049	63 ÷ 108	250	260	119	305	109				30°			9,1	
800	1150	4-30636-00011	89, 108	315	325	126	344	120							12,0	
1000	1350	4-30646-00006	108, 133	380	390	150	410	138	85	220	160	16		120÷160	23,2	
1200	1600	4-30656-00006	108, 133	465	475	150	453	146							26,1	
1400	1800	4-30666-00006	133	530	540	150	485	158							28,4	

Dimensions J and K apply to the largest D dimension.

Surface finish:

anticorrosive black synthetic primer

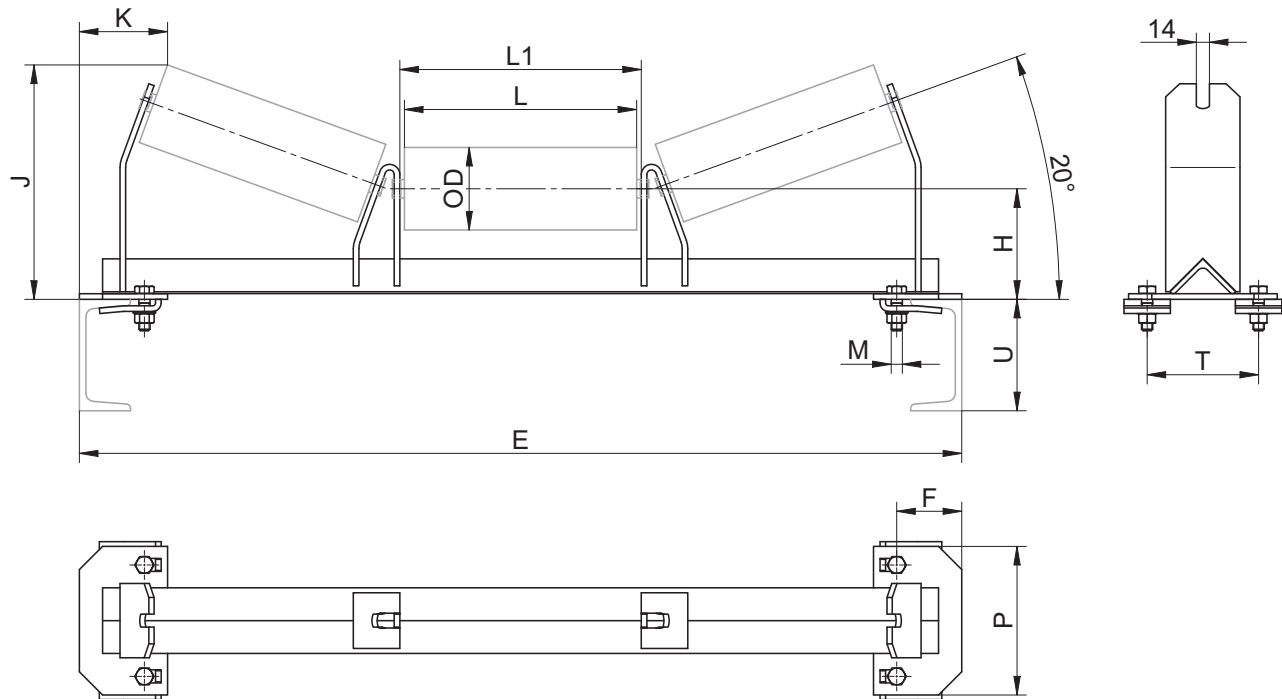
Other surface finish options:

Galvanizing

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	THREE-ROLLER TROUGH-FORMING STATION	Type: 306 N
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- Made of steel sheet parts and rolled profiles welded together
- Equipped with slots for installation of rollers and flanges for mounting on U-shaped conveyor frame with bracket attachments
- Bracket attachments with connecting items for mounting on conveyor frame are included in station delivery
- Carry rollers are not included in station delivery

Belt width B	E	Drawing no.	D	L	L1	H	J	K	F	P	T	M	U	Weight kg
650	950	4-30626-00001	63 ÷ 108	250	260	119	261	98	70	160	120	12	100÷140	8,5
800	1150	4-30636-00007	89, 108	315	325	126	291	105						10,7
1000	1350	4-30646-00010	108, 133	380	390	150	348	116	85	220	160	16	120÷160	22,0
1200	1600	4-30656-00008	108, 133	465	475	150	377	118						24,8
1400	1800	4-30666-00027	133	530	540	150	399	125						27,1

Dimensions J and K apply to the largest D dimension.

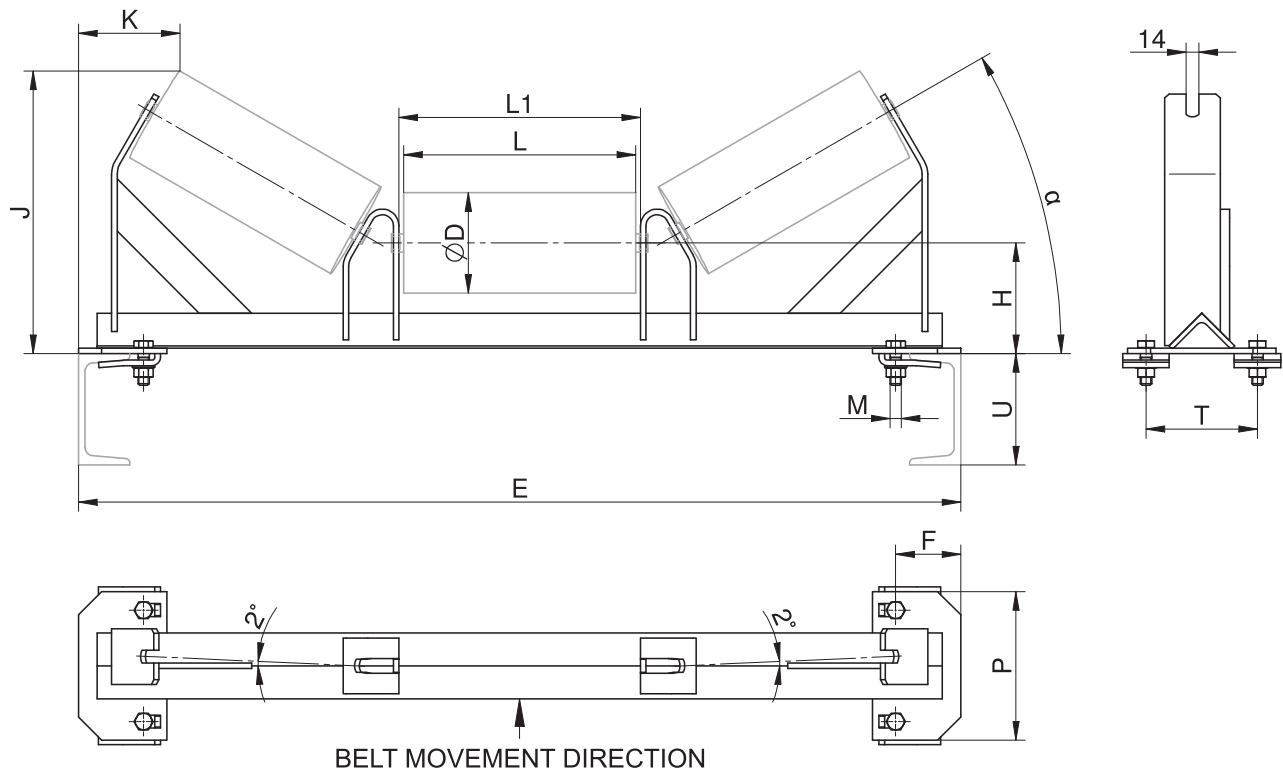
Surface finish:

anticorrosive black synthetic primer

Other surface finish options:

Galvanizing

	THREE-ROLLER TROUGHING STATION	Type: 306 ST
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- Made of steel sheet parts and rolled profiles welded together
- Equipped with slots for installation of rollers in arrow-like direction, which has a centering effect on the belt, and flanges for mounting on U-shaped conveyor frame with bracket attachments
- Bracket attachments with connecting items for mounting on conveyor frame are included in station delivery
- Carry rollers are not included in station delivery

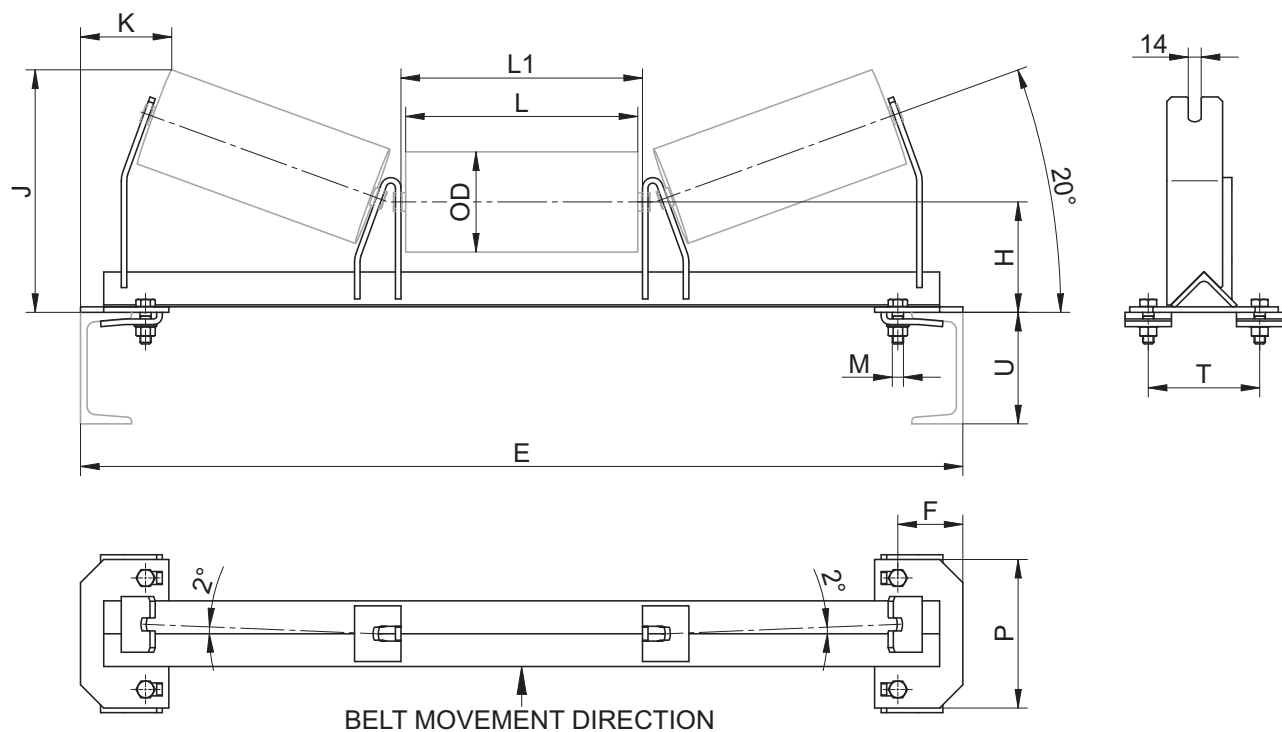
Belt width B	E	Drawing no.	D	L	L1	H	J	K	F	P	T	M	α	U	Weight kg
400	700	4-30606-00005	63 ÷ 89	160	170	100	204	100	70	140	100	12	20°	100÷140	6,1
500	800	4-30616-00031	63 ÷ 89	200	210	100	217	92							6,5
650	950	4-30626-00060	63 ÷ 108	250	260	119	305	109							9,2
800	1150	4-30636-00031	89, 108	315	325	126	344	120							12,0
1000	1350	4-30646-00045	108, 133	380	390	150	410	138	85	220	160	16	30°	120÷160	23,1
1200	1600	4-30656-00049	108, 133	465	475	150	453	146							26,2
1400	1800	4-30666-00030	133	530	540	150	485	158							28,6

Dimensions J and K apply to the largest D dimension.
It is required to install station according to belt movement direction.

Surface finish:
anticorrosive black synthetic primer

Other surface finish options:
Galvanizing

	THREE-ROLLER TROUGH-FORMING CENTERING STATION	Type: 306 SN
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- Made of steel sheet parts and rolled profiles welded together
- Equipped with slots for installation of rollers in arrow-like direction, which has a centering effect on the belt, and flanges for mounting on U-shaped conveyor frame with bracket attachments
- Bracket attachments with connecting items for mounting on conveyor frame are included in station delivery
- Carry rollers are not included in station delivery

Belt width B	E	Drawing no.	D	L	L1	H	J	K	F	P	T	M	U	Weight kg
650	950	4-30626-00077	63 ÷ 108	250	260	119	261	98	70	160	120	12	100÷140	8,1
800	1150	4-30636-00081	89, 108	315	325	126	291	105						10,7
1000	1350	4-30646-00061	108, 133	380	390	150	348	116	85	220	160	16	120÷160	22,0
1200	1600	4-30656-00051	108, 133	465	475	150	377	118						24,8
1400	1800	4-30666-00028	133	530	540	150	399	125						27,1

Dimensions J and K apply to the largest D dimension.
It is required to install station according to belt movement direction.

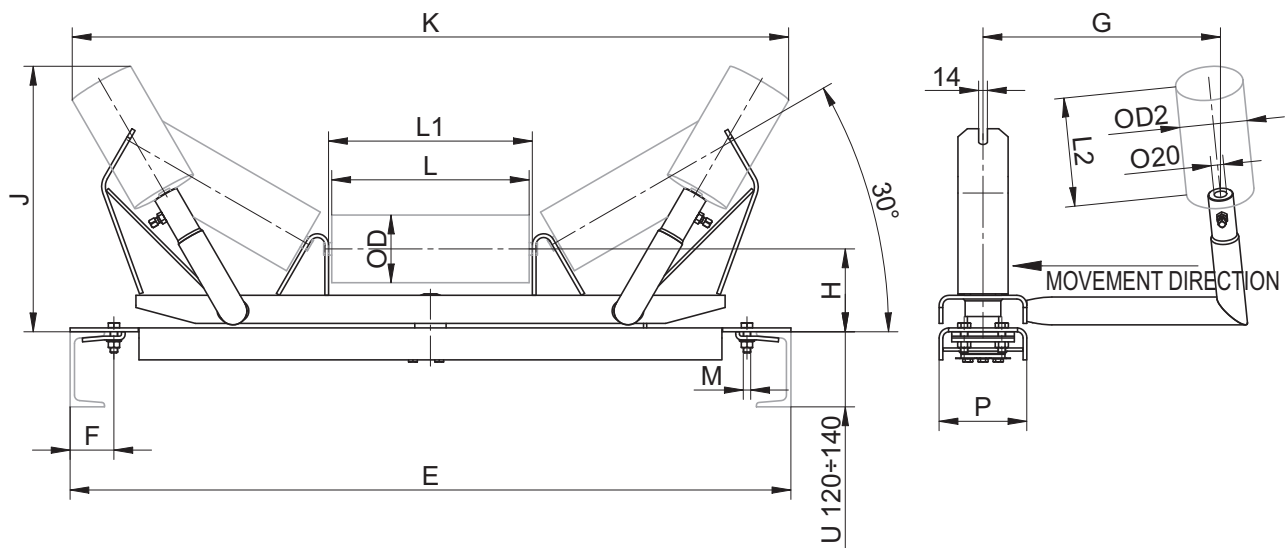
Surface finish:

anticorrosive black synthetic primer

Other surface finish options:

Galvanizing

	SELF-ALIGNING STATION	Type: 308
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- Made of steel sheet parts welded together, upper and bottom part are joint together with a coupling pin allowing rotary movement
- Upper part of station is equipped with slots for installation of carry rollers and holders for installation of guide rollers
- Bottom part of station is mounted on U-shaped conveyor frame with bracket attachments
- Bracket attachments with connecting items for mounting on conveyor frame are included in station delivery
- Carry and guide rollers are not included in station delivery

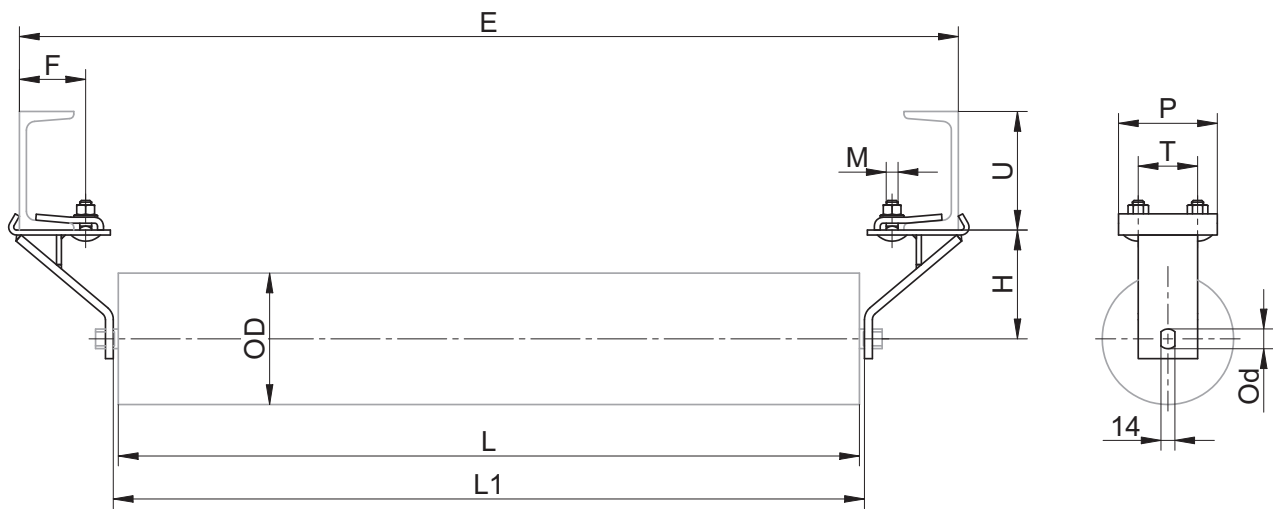
Belt width B	E	Drawing no.	D	L	L1	D2	L2	G	H	J	K	F	P	M	Weight kg
650	950	2-30826-00006	89, 108	250	260	89	160	288	132	336	961	70	140	12	27,6
800	1150	2-30836-00009	89, 108	315	325	108	200	379	132	424	1143		140	12	32,1
1000	1350	2-30846-00009	108, 133	380	390	108	200	372	160	502	1298	80	160	16	55,8
1200	1600	2-30856-00009	108, 133	465	475	108	200	372	160	527	1459	85		16	63,2

Self-aligning stations are used for belt centering and are installed 15-30 m apart.
It is required to install station according to belt movement direction (see image).

Surface finish:

anticorrosive black synthetic primer

	LOWER ROLLER BRACKETS	Type: 313
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- Roller bracket consists of roller holder and bracket attachment that is used for mounting on conveyor frame
- Bracket attachments with connecting items for mounting on conveyor frame are included in bracket delivery
- Lower rollers are not included in bracket delivery

Belt width B	E	Drawing no.	D	L	L1	d	H	F	P	T	M	U	Weight kg
400÷800	700÷1150	3-31306-00029	63 ÷ 108	500÷950	510÷960	20	84	67	100	60	12	100÷140	1,3
400÷800	700÷1150	3-31306-00022	133	500÷950	510÷960	20	110						1,6
1000÷1400	1350÷1800	3-31346-00001	108, 133	1150÷1600	1160÷1610	20	106	78	120	75	16	120÷160	2,4
1000÷1400	1350÷1800	3-31346-00017	108, 133	1150÷1600	1160÷1610	25	106						2,4

Two brackets are required for installation of one roller.
Brackets can be used only with flat-shaped lower line.

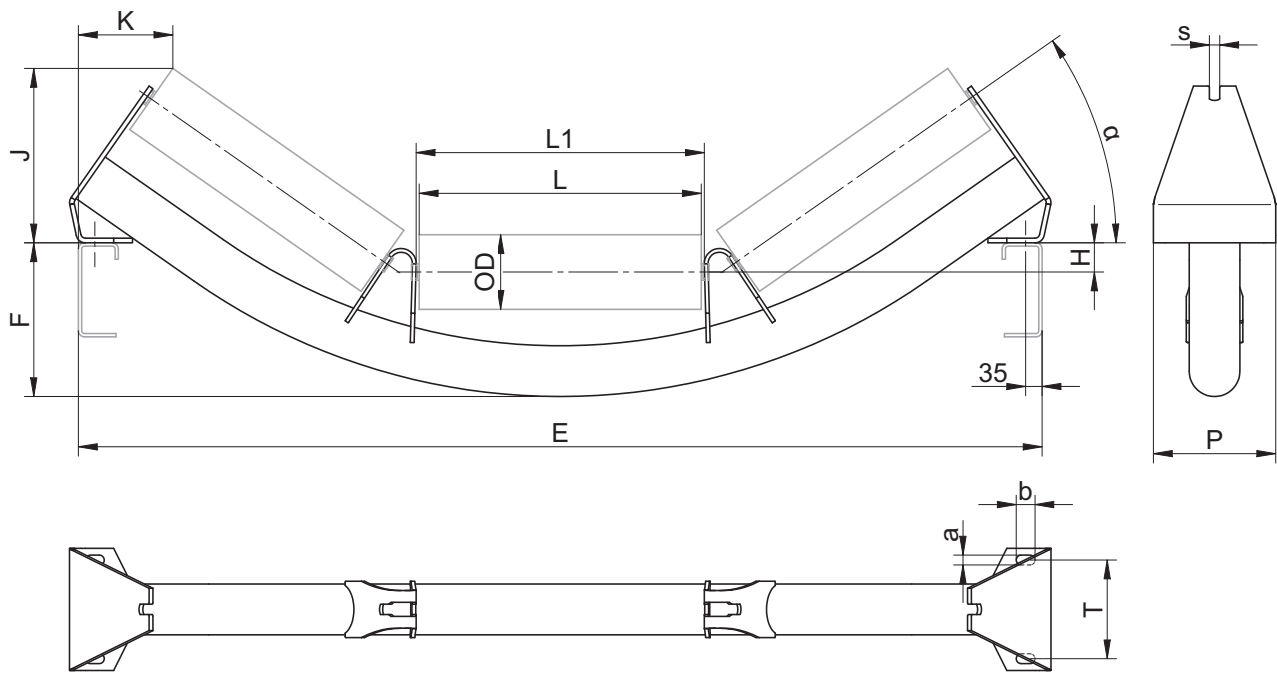
Surface finish:

anticorrosive black synthetic primer

Other surface finish options:

Galvanizing

	TUBE STATION	Type: 301
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- Made of bent steel tubes and steel parts welded together
- Equipped with slots for installation of rollers
- Connecting items and carry rollers are not included in station delivery

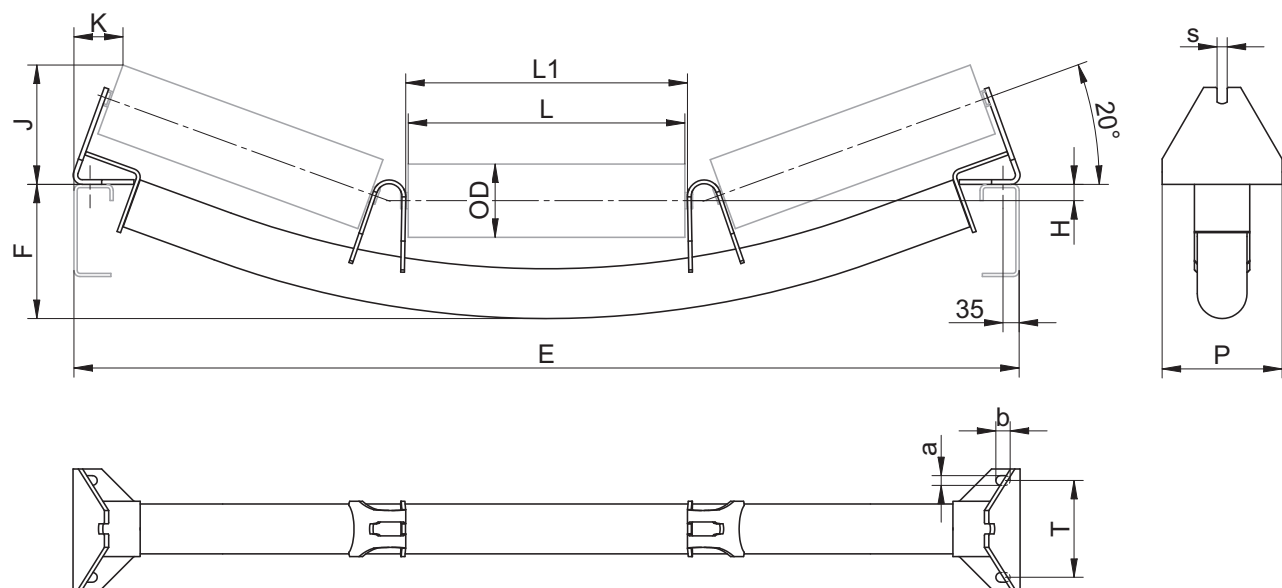
Belt width B	E	Drawing no.	D	L	L1	H	J	K	F	P	T	a×b	s	α	Weight kg
800	1150	1-30036-00001	133	315	325	74	300	136	99	140	100	14×22	14	30°	12,3
1000	1350	1-30046-00001		380	390	35	293	147	145	140	100	14×22			15,2
1200	1600	1-30156-00004		465	475	-12	289	156	211	140	100	18×28			19,6
1400	1800	1-30166-00004		530	540	-52	281	167	271	140	100	18×28			24,4
1600	2050	1-30176-00004	159	600	610	-62	371	201	327	260	210	21×31	22	35°	54,0
1800	2250	1-30186-00004		670	680	-102	373	199	370	260	210	21×31			62,1
2000	2600	1-30196-00004	194	750	760	-132	410	261	456	260	210	21×31	32		75,2

Dimension H declares height of centre roller axis above installation level of station. Negative dimension H means the roller axis is below this level.

Surface finish:

anticorrosive black synthetic primer

	TUBE TROUGH-FORMING STATION	Type: 303
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- Made of bent steel tubes and steel parts welded together
- Equipped with slots for installation of rollers
- Connecting items and carry rollers are not included in station delivery

Belt width B	E	Drawing no.	D	L	L1	H	J	K	F	P	T	a×b	s	Weight kg
800	1150	1-30336-00001	133	315	325	67	244	103	103	140	100	14×22	14	11,0
1000	1350	1-30346-00001		380	390	43	242	109	130	140	100	14×22		13,4
1200	1600	1-30356-00003		465	475	12	241	112	180	140	100	18×28		18,2
1400	1800	1-30366-00003		530	540	-13	238	118	219	140	100	18×28		23,1
1600	2050	1-30376-00003	159	600	610	-35	259	88	291	260	210	21×31	22	47,6
1800	2250	1-30386-00002		670	680	-82	237	100	340	260	210	21×31		55,0
2000	2600	1-30396-00002	194	750	760	-91	271	171	381	260	210	21×31	32	68,7

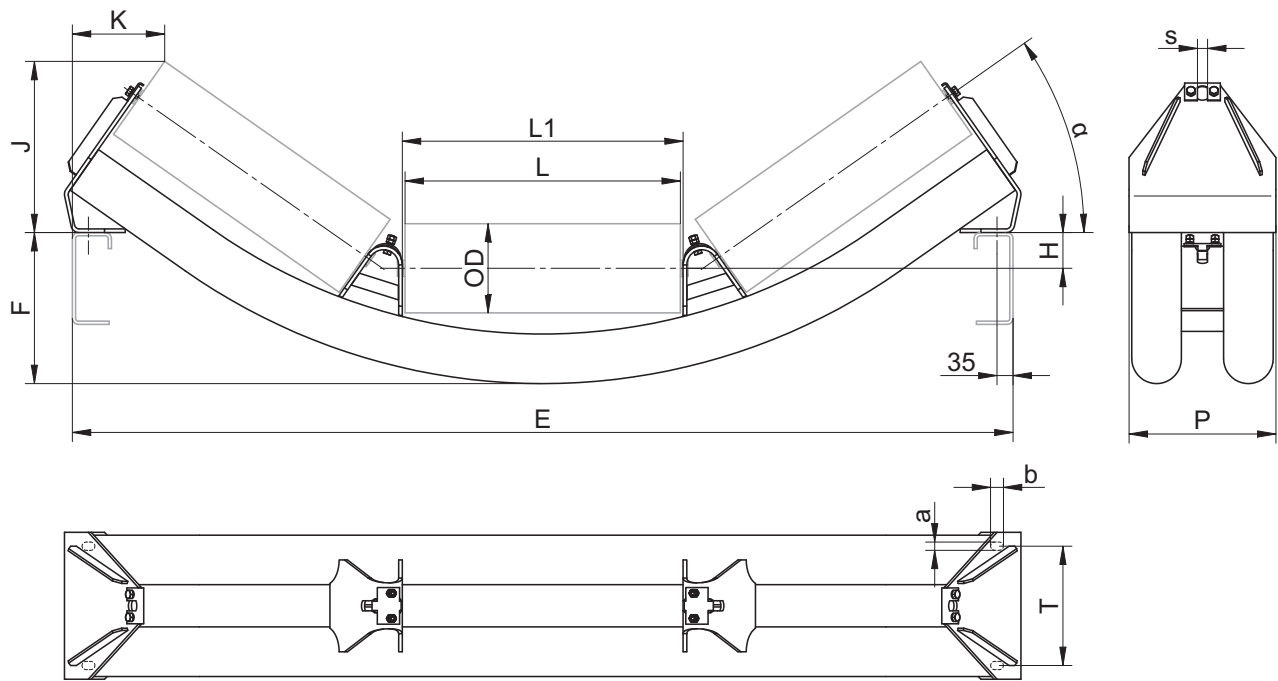
Dimension H declares height of centre roller axis above installation level of station. Negative dimension H means the roller axis is below this level.

Trough-forming stations are installed in quantity of 1-2 pcs ahead of drum.

Surface finish:

anticorrosive black synthetic primer

	IMPACT DUAL-TUBE STATION	Type: 302
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- Made of bent steel tubes and steel parts welded together
- Equipped with slots for installation of rollers
- Roller holders are equipped with safety plates to prevent roller falling out (for $B \leq 1200$ mm)
- Connecting items and carry rollers are not included in station delivery

Belt width B	E	Drawing no.	D	L	L1	H	J	K	F	P	T	a×b	s	α	Weight kg
800	1150	1-30236-00001	159	315	325	59	297	143	85	250	210	14×32	14	30°	23,2
1000	1350	1-30246-00001		380	390	19	289	154	131	250	210	14×32			29,0
1200	1600	1-30256-00002		465	475	-28	288	164	196	250	210	14×32			38,8
1400	1800	1-30266-00002		530	540	-66	279	174	256	250	210	14×32			48,4
1600	2050	1-30276-00002	194	600	610	-78	373	201	329	320	260	18×28	22	35°	93,7
1800	2250	1-30286-00002		670	680	-121	372	203	372	320	260	18×28			109,5
2000	2600	1-30296-00002		245	750	-132	431	276	454	380	210	18×28	32		138,7

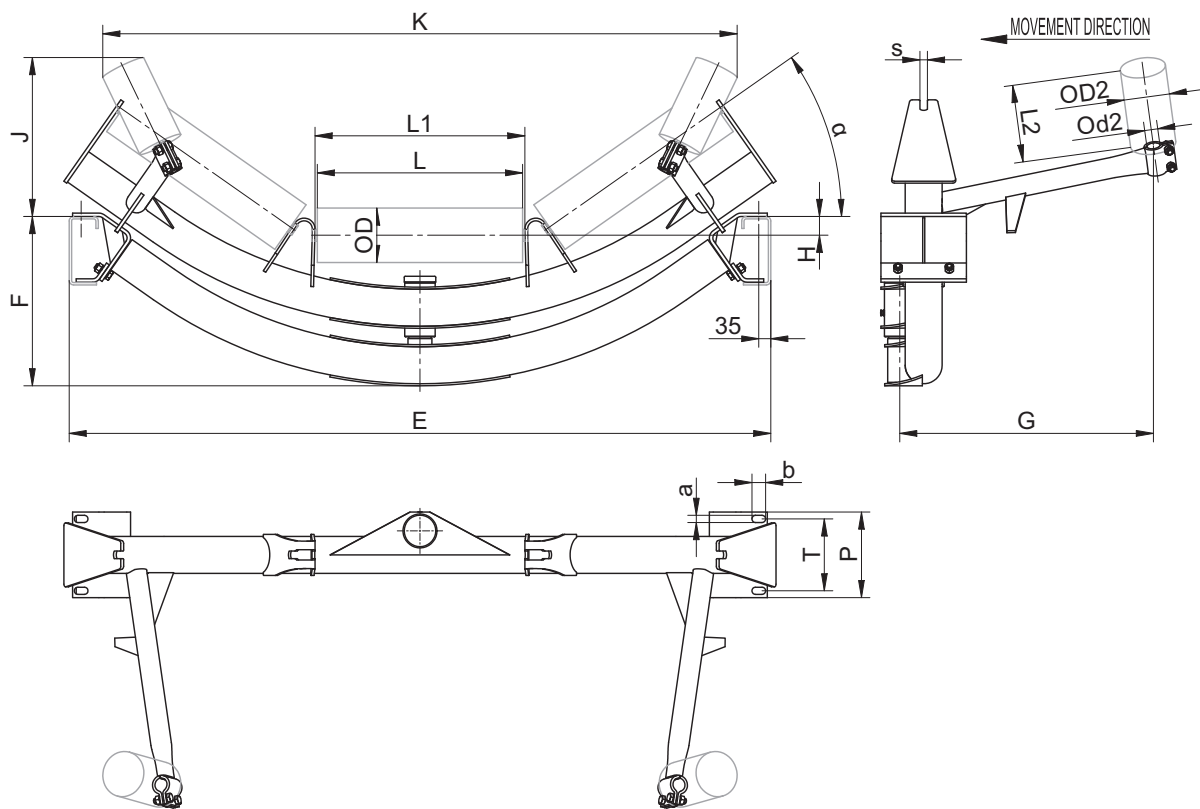
Dimension H declares height of centre roller axis above installation level of station. Negative dimension H means the roller axis is below this level.

Stations are used in belt conveyor feeders with small granularity.

Surface finish:

anticorrosive black synthetic primer

	SELF-ALIGNING STATION FOR UPPER LINE	Type: 304
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- Made of bent steel tubes and steel parts welded together, upper and bottom part are joint together with a coupling pin allowing rotary movement
- Upper part of station is equipped with slots for installation of carry rollers and holders for installation of guide rollers
- Bottom part of station is equipped with brackets for mounting onto conveyor framework
- Stations belt width B = 1000 – 2000 mm is additionally anchored to lower line of U-shaped conveyor framework by welded bracket
- Connecting items and carry rollers are not included in station delivery

Belt width B	E	Drawing no.	D	L	L1	D2	L2	d2	G	H	J	K	F	P	T	a×b	s	α	Weight kg
800	1150	1-30436-00001	133	315	325	108	200	20	410	83	373	1103	220	140	100	14×22	14	30°	25,4
1000	1350	0-30446-00001		380	390	108	200	20	408	43	378	1258	268	140	100	14×22			30,6
1200	1600	1-30456-00008		465	475	108	200	29	498	0	365	1448	329	180	100	18×38			54,0
1400	1800	1-30466-00008		530	540	108	200	29	505	-41	367	1641	406	180	100	18×38			63,9
1600	2050	1-30476-00010	159	600	610	133	250	39	741	-55	464	1853	495	250	210	21×40	22	35°	123
1800	2250	1-30486-00005		670	680	133	250	39	741	-94	466	2052	535	250	210	21×40			139
2000	2600	1-30496-00008	194	750	760	133	250	39	763	-122	480	2190	649	300	210	21×40	32		191

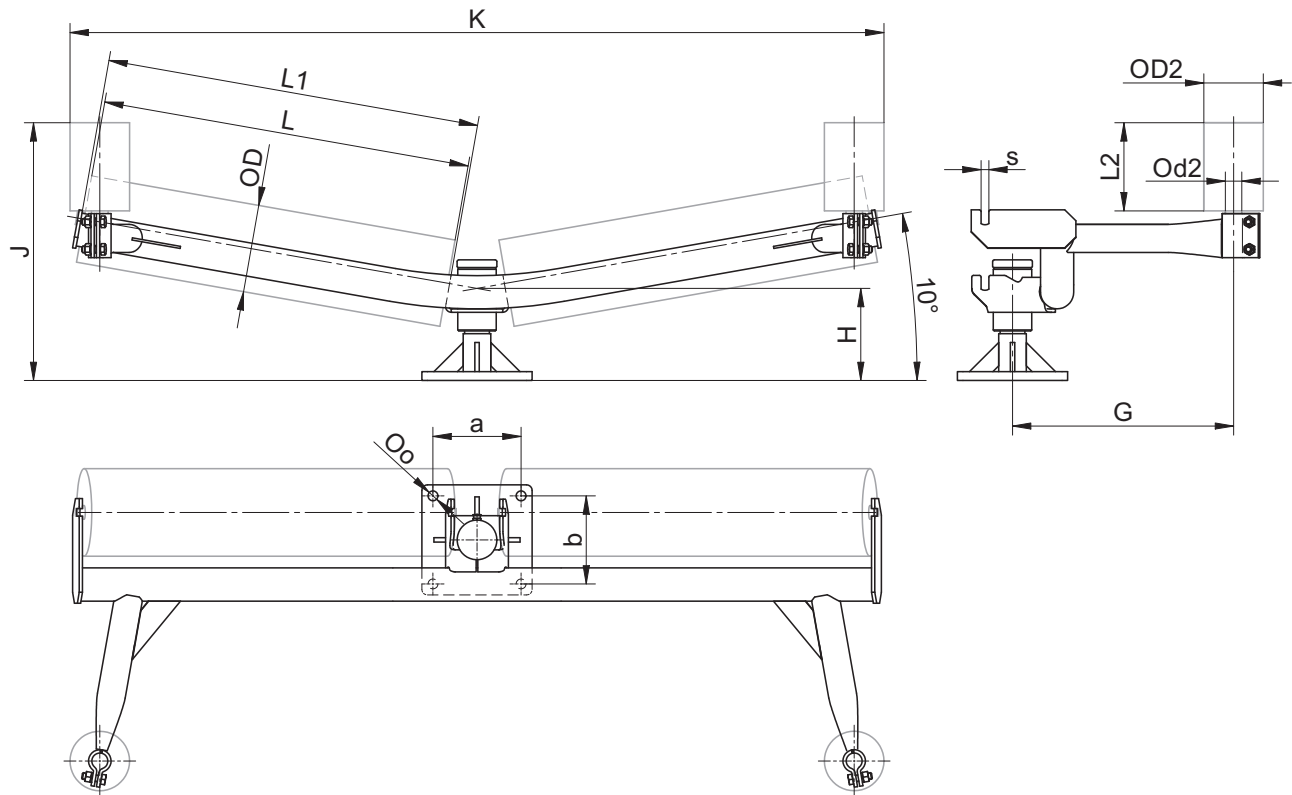
Dimension H declares height of centre roller axis above installation level of station. Negative dimension H means the roller axis is below this level.

Self-aligning stations are used for belt centering and are installed 20-40 m apart (according to B dimension). It is required to install station according to belt movement direction (see image).

Surface finish:

anticorrosive black synthetic primer

	SELF-ALIGNING STATION FOR UPPER LINE	Type: 305
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- Made of bent steel tubes and steel parts welded together, upper and bottom part are joint together with a coupling pin allowing rotary movement
- Upper part of station is equipped with slots for installation of carry rollers and holders for installation of guide rollers
- Station base is equipped with slots for mounting on support crossbar of conveyor framework
- Connecting items, carry rollers and guide rollers are not included in station delivery

Belt width B	Drawing no.	D	L	L1	D2	L2	d2	G	H	J	K	a	b	o	s	Weight kg
800	1-30536-00001	159	465	475	108	160	20	401	170	428	1078	160	60	14	14	16,8
1000	0-30546-00001		600	610	108	160	20	401	170	445	1278	160	60	14		18,3
1200	1-30556-00006		670	680	108	160	29	401	167	468	1478	160	160	18		25,7
1400	1-30566-00006		750	760	108	160	29	401	167	486	1678	160	160	18		26,8
1600	1-30576-00012	194	900	910	133	200	39	575	202	557	1928	160	160	18	22	47,7
1800	1-30586-00008		1000	1010	133	200	39	575	202	574	2119	160	160	18		49,7
2000	1-30596-00006	245	1150	1160	133	200	39	600	170	587	2333	160	160	18	32	57,1

Self-aligning stations are used for belt centering and are installed 20-40 m apart (according to B dimension). It is required to install station according to belt movement direction (see image).

Surface finish:

anticorrosive black synthetic primer