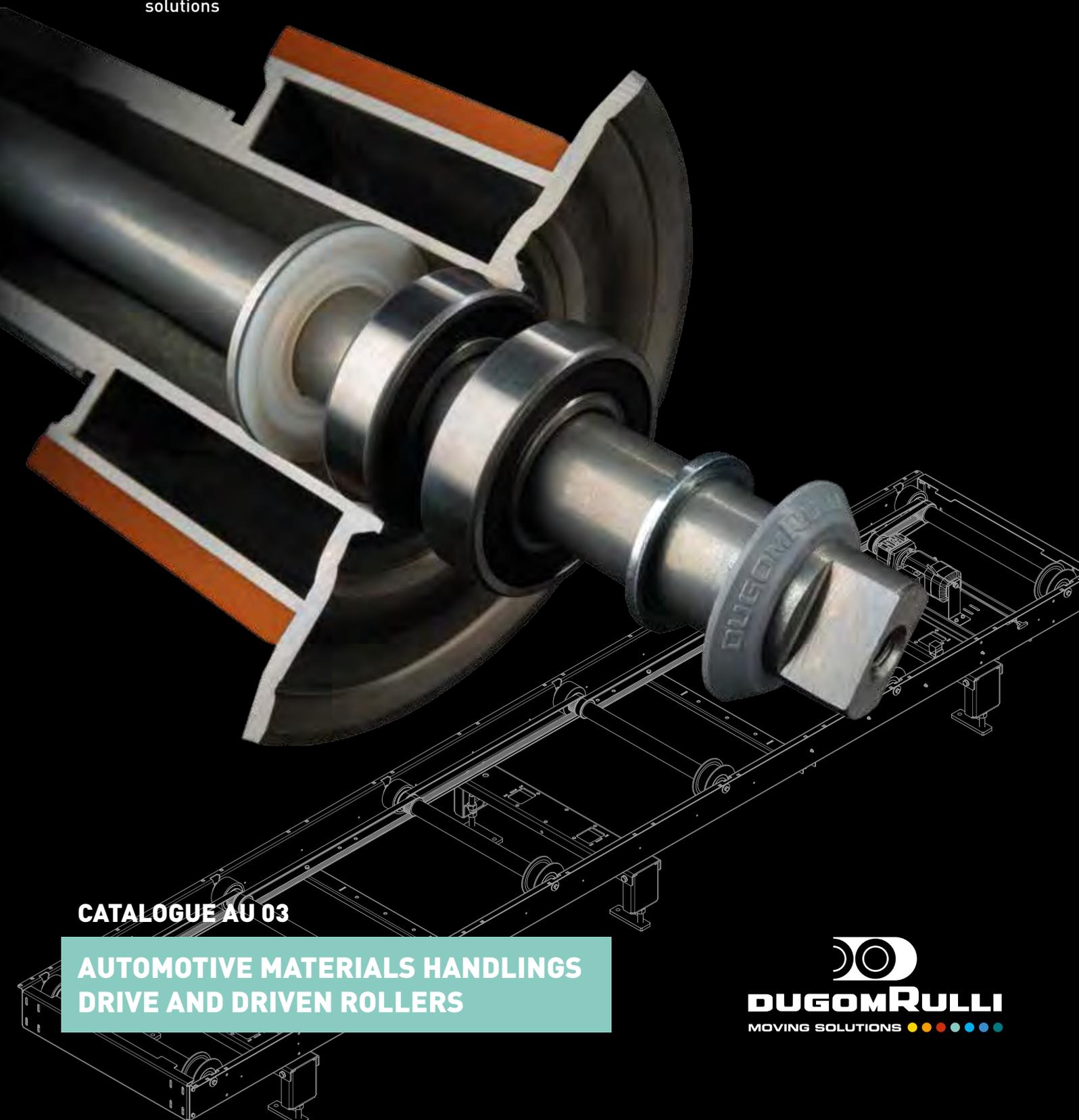


catalogue

# au

Endless handling  
solutions



CATALOGUE AU 03

**AUTOMOTIVE MATERIALS HANDLINGS  
DRIVE AND DRIVEN ROLLERS**

  
**DUGOMRULLI**  
MOVING SOLUTIONS 

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**PRECISION AND QUALITY SINCE 1938**  
**MOVING SOLUTIONS SINCE 1948**  
**STRONG TRADITION FOR**  
**CONTINUOUS INNOVATION**





# DUGOMRULLI HISTORY

The past, present and future of materials handling

From its first facilities, established back in 1938, to the current 17,000-square-meters productive area not far from Bologna airport the **DugomRulli** history has been characterized by continuous growth.

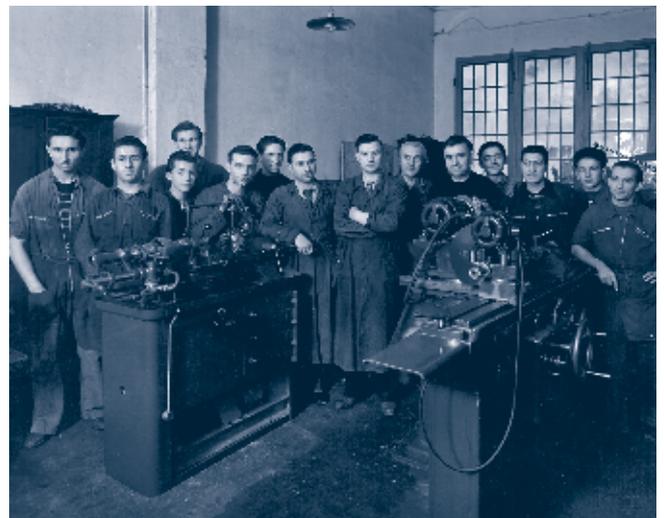
**DugomRulli** started its activities in 1938 producing tools and equipment for cold forming of sheet metal.

**DugomRulli** in 1948 began the production of conveyor components, before chains, then rollers.

Since then, for three generations, **DugomRulli** has taken care of all customer's needs offering the best solutions available in the roller conveyors market.

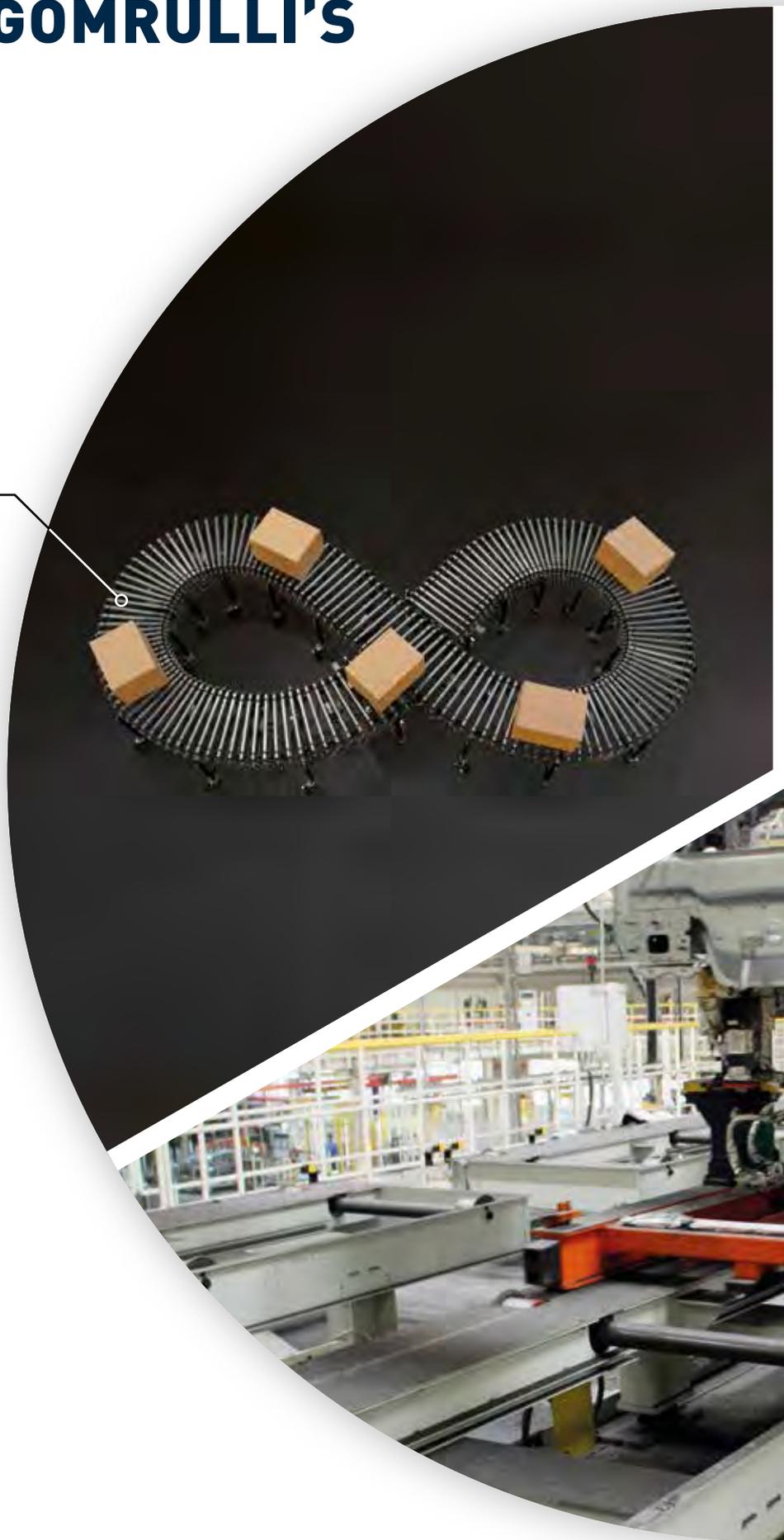
This leading position is now ensured by the full automation of its welding and assembling production lines, by one of the most versatile and best-performing ranges of handling products and by a UNI EN ISO 9001:2008 certified quality system.

**DugomRulli** is now synonymous with productivity, efficiency and technological skills in material handling.



# FLEXIBLE, CUSTOMIZED AND COMPLETE DUGOMRULLI'S PROPOSAL:

Unit handling  
rollers: accuracy  
catalogue  
**ci**



Belt conveyors cleaning systems  
catalogue  
**rs**



Impact cradles for bel conveyors  
catalogue  
**ip**



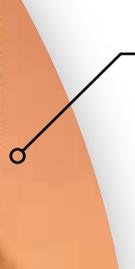
Belt conveyors covers  
catalogue  
**cp**



Belt conveyor drum motors  
catalogue  
**mt**



Bulk handling rollers: endurance  
catalogue  
**mr**



Automotive rollers: reliability  
catalogue  
**au**



# **AUTOMOTIVE ROLLER SOLUTIONS**

**COATED PALLET ROLLERS**

**COATED SKID ROLLERS**

**STEEL ROLLERS**

**SINGLE WHEEL COATED ROLLERS**





## GENERAL FEATURES

The current level of competitiveness in the automotive sector has pushed the industry to require much higher performances of its plants, where production takes place with very high rates and continuous cycle of 2, sometimes 3 shifts a day for 6-7 days per week.

This imposes the absolute reliability of the handling systems and their components, essential to optimize the productivity and efficiency of the entire production cycle.

Over the years DugomRulli was able to interpret the needs of a changing market, always offering fully reliable rollers with high-performances in wide operating conditions..

The main industrial applications served are the following:

**1] PALLET ROLLERBEDS:** these conveyors are generally used for the handling of very rigid and heavy welding pannels. These applications are characterized by very demanding cycle times, with severe accelerations, decelerations. The rollers are typically driven by means of toothed belts and the contact between rollers and the loads to be moved is performed by means of wheels coated in polyurethane.

**2] SKID ROLLERBEDS:** these conveyors are generally used for the handling of assemblies (skids) for the most subservient to painting lines. Medium – heavy duty working conditions, both in terms of moving masses and in terms of cycle times. Even these rollers are driven by means of toothed belts and the contact between rollers and unit loads to be moved is performed by means of wheels coated in polyurethane.

**3] ALL STEEL ROLLERBEDS:** these conveyors are made with uncoated rollers and are used for applications with modest cycle times (speed and acceleration) or for applications in high temperature environments. The rollers can be driven by means of chains or toothed belts. On request, they can be supplied in soundproof execution.

**4] SINGLE WHEEL ROLLERBEDS:** these conveyors use rollers mounted in parallel, one for each side of the load, and not connected to each other. They are usually driven by means of toothed belts and are provided with a polyurethane coated steel wheel. They are suitable for medium and heavy working conditions and can move very wide unit loads.

### PLEASE NOTE:

All roller designs presented in this catalog can be downloaded in 3D format. See QR code on page 39





## COATED PALLET ROLLERS

These rollers are generally used for the handling of very rigid and heavy welding pannels.

These applications are characterized by very demanding cycle times, with severe accelerations, decelerations.

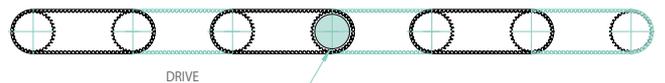
The unit load is supported by two steel wheels coated with polyurethane 94 Shore A hardness, which provide excellent wear resistance, high friction coefficient and low noise; the wheels 140 mm diameter can be fitted with flanges that help to drive the unit load along the direction of motion. The wheels are fixed to a circular element diam. 70 mm made of electro-welded steel pipe according to the UNI EN 10025.

Single row deep groove ball bearings are housed inside the circular element, meeting ISO 492, ISO 76 and ISO 281; they are protected by means of contact seals and are lubricated for life. The shaft is made of steel for structural use according to UNI EN 10025; the shaft ends are provided with tapped holes and millings for fixing the roller to the frame of the roller conveyor. A double pulley, keyed on the pipe diameter. 70 mm between the two coated wheels allows the drive by means of toothed belts series HTD 8M. The pulley is made of steel in accordance with UNI EN 10025.

A heavier execution, equipped with spherical roller bearings, is available for very demanding working conditions.

The standard configuration of the conveyors provides that a central "drive roller", directly connected with the gear motor, transmits the motion, upstream and downstream, to the remaining rollers.

The drive roller axis is machined to allows a perfect coupling with the gear motor and is supported through external bearings mounted on the frame of the conveyor; the remaining "driven rollers" receive motion through toothed belts.



### Patents:

On June 07th 2016 the United States Patent and Trademark Office issued our PATENT No. US9359145, concerning a roller driven device for roller conveyor for automotive industry having a special connection between wheels and shaft and concerning a method for manufacturing said roller driven device.

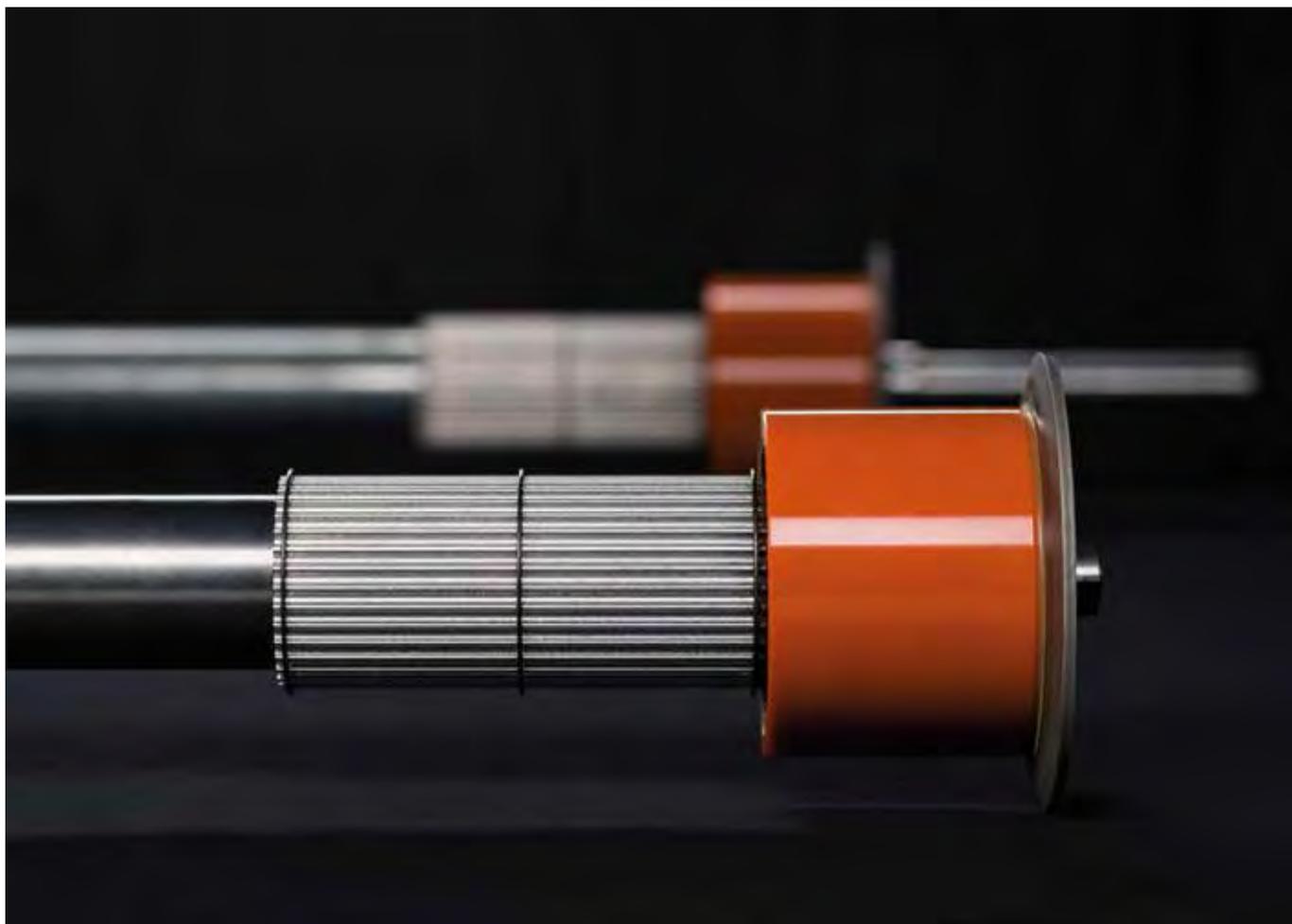
PATENTS pending n. EP2985245, n. IT10201490227653

### Technical note:

1. All coated rollers have no significant presence of silicon.
2. It is possible to provide the rollers with antistatic metal wheels.
3. Loads of rollers are valid for:
  - standard environmental conditions;
  - working conditions indicated (speed, acceleration, etc.);
  - homogeneous distribution of the load on the rollers;
  - The bearings which equip the rollers are selected to ensure rated life 10.000 h - actual operation (90% reliability according to ISO specifications).
  - the pre-tension of the belts 1.250 N at 180° wrapped on the pulley;
  - conveyor configuration as shown in figure above.

### General note:

1. Please contact our Sales Office to request the availability of rollers with out of standard length (L).
2. For any other technical information and customized solutions, please contact our Technical Office.

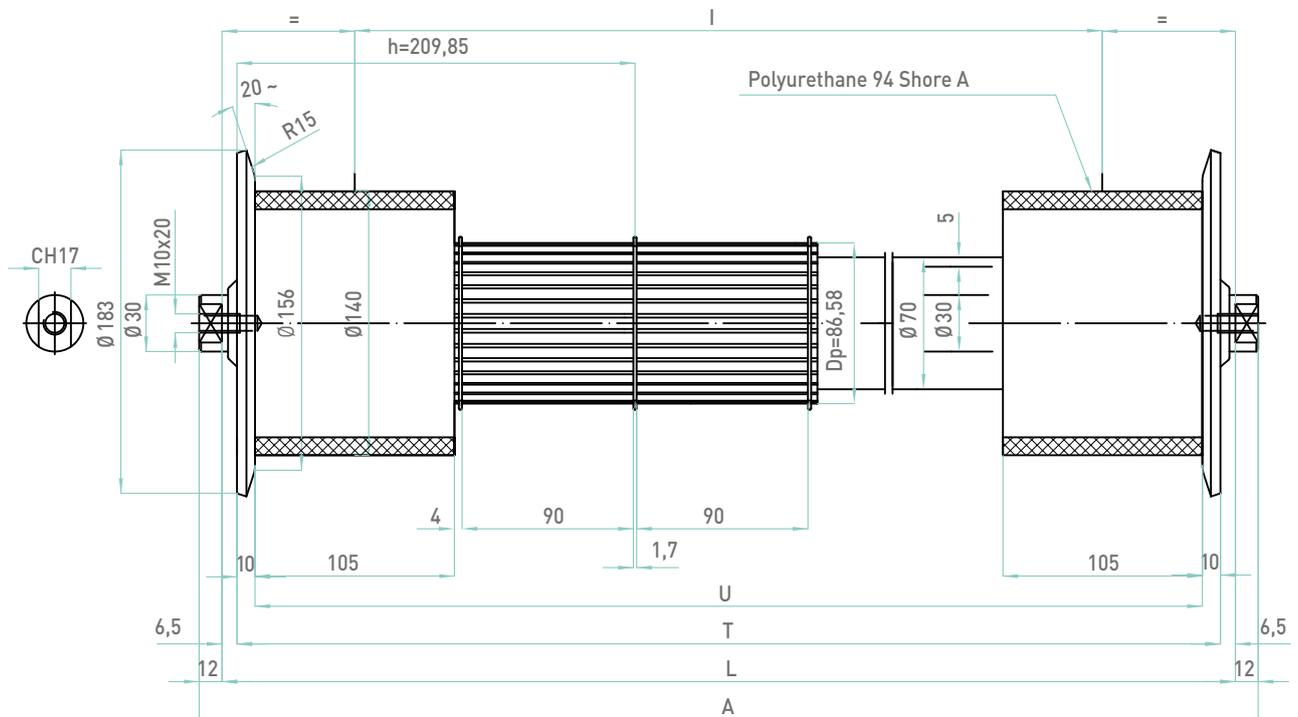


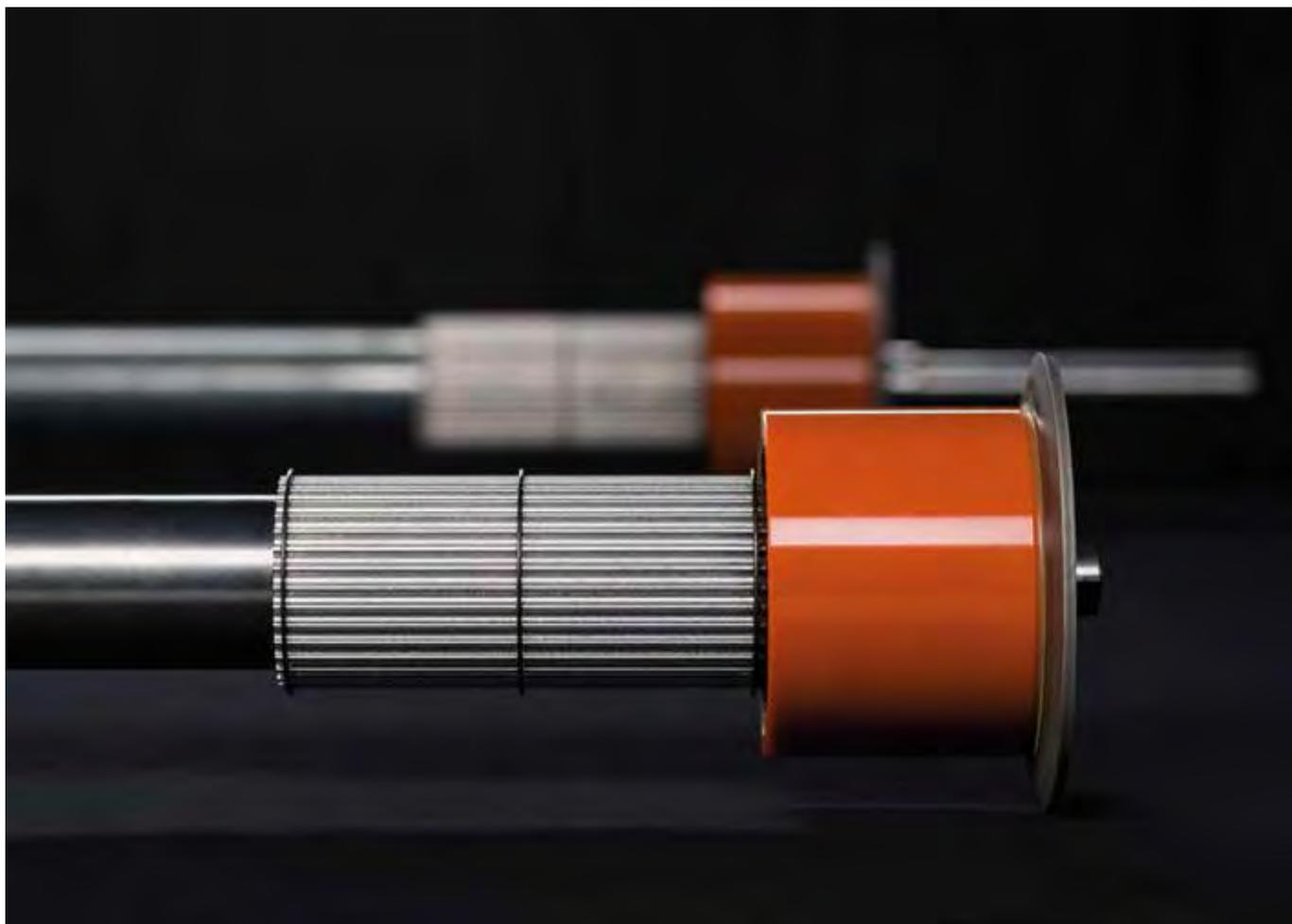
Items	Type	D	Bearing	L	T	A	U	Pulley
329640V	DRIVEN	140	6206-2RS	L	L-13	L+24	L-33	Z34 HTD 8M-85

Operating condition			329640V	
Speed	Acc. Max	Length	Load CR	
[m/min]	[m/s <sup>2</sup> ]	[mm]	[N]	[mm]
20	≤ 1,5	≤ 1300	8.206	45
30			7.169	68
40			6.513	91
50			6.046	114
60			5.690	136
70			5.405	159
80			5.169	182
90			4.970	205
100			4.799	227
110			4.649	250
120			4.516	273

1] STANDARD PALLET DRIVEN ROLLER 329640V

DIA. 140/70/30 Z34 HTD 8M-85 POLYURETHANE COATED - HARDENED FLANGES

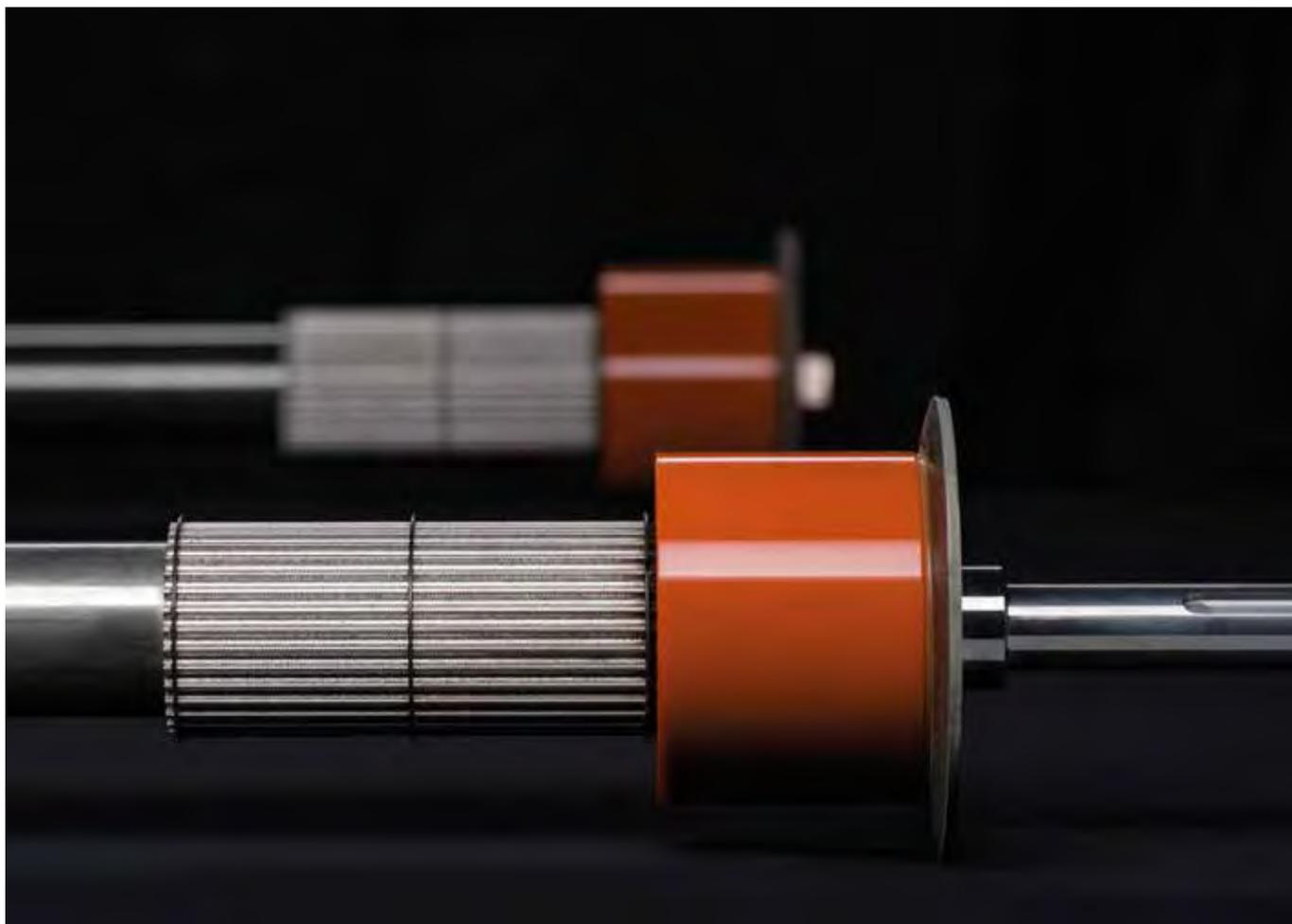




Items	Type	D	Bearing	L	T	A	U	Pulley
<b>329650W</b>	DRIVEN	140	6206-2RS	L	L-16	L+24	L-156	Z34 HTD 8M-50
<b>329822W</b>	DRIVEN	125	6305-2RS	L	L-14	L+7	L-130	Z34 HTD 8M-30

Operating condition			329650W		329822W	
Speed	Acc. Max	Length	Load CR		Load CR	
[m/min]	[m/s <sup>2</sup> ]	[mm]	[N]	[rpm]	[N]	[rpm]
20	≤ 1,5	≤ 1300	8.206	45	5.841	51
30			7.169	68	5.306	76
40			6.513	91	4.954	102
50			6.046	114	4.714	127
60			5.690	136	4.523	153
70			5.405	159	4.376	178
80			5.169	182	4.251	204
90			4.970	205	4.148	229
100			4.799	227	4.056	255
110			4.649	250	3.965	280
120			4.516	273	3.908	306



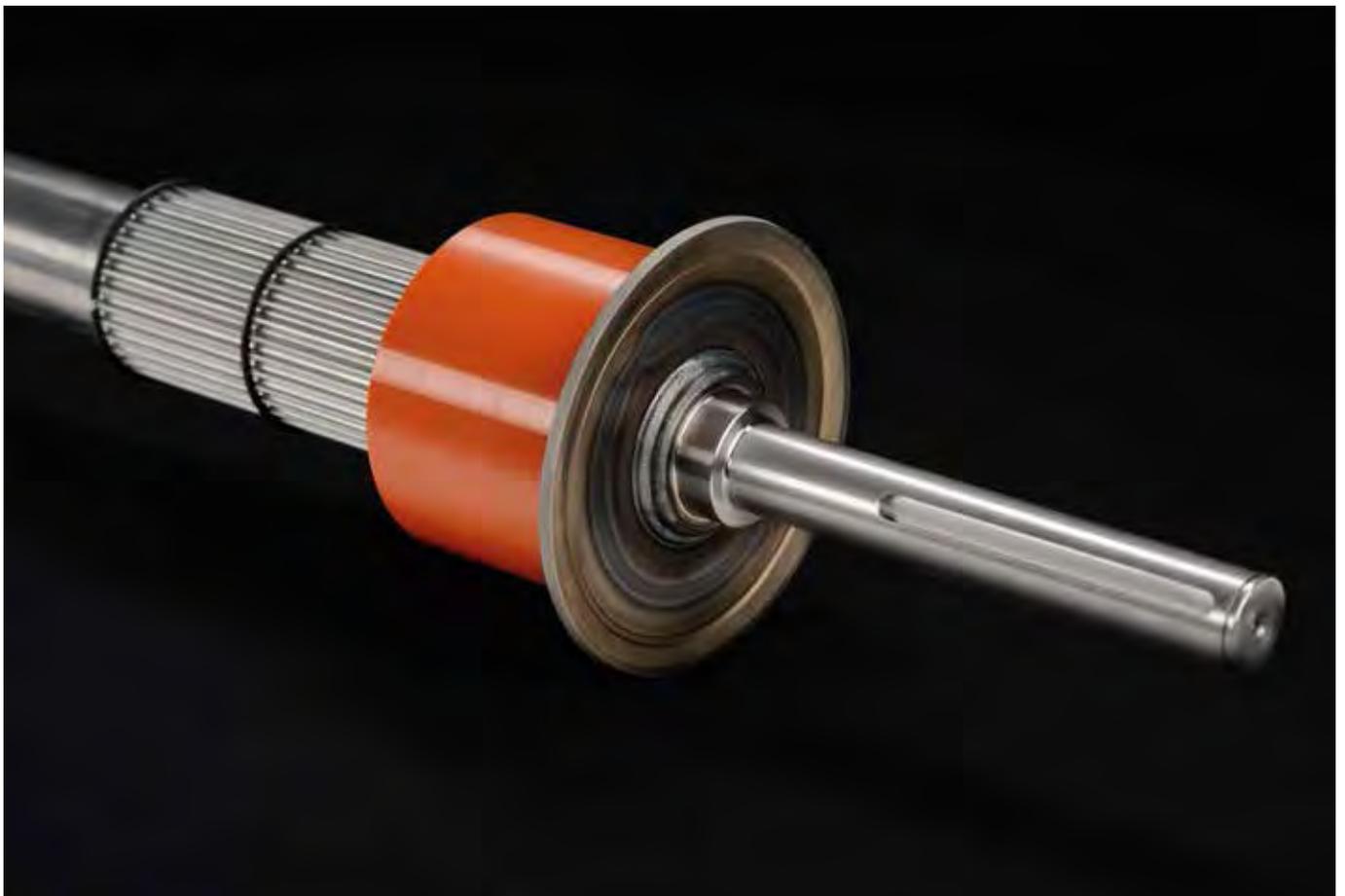
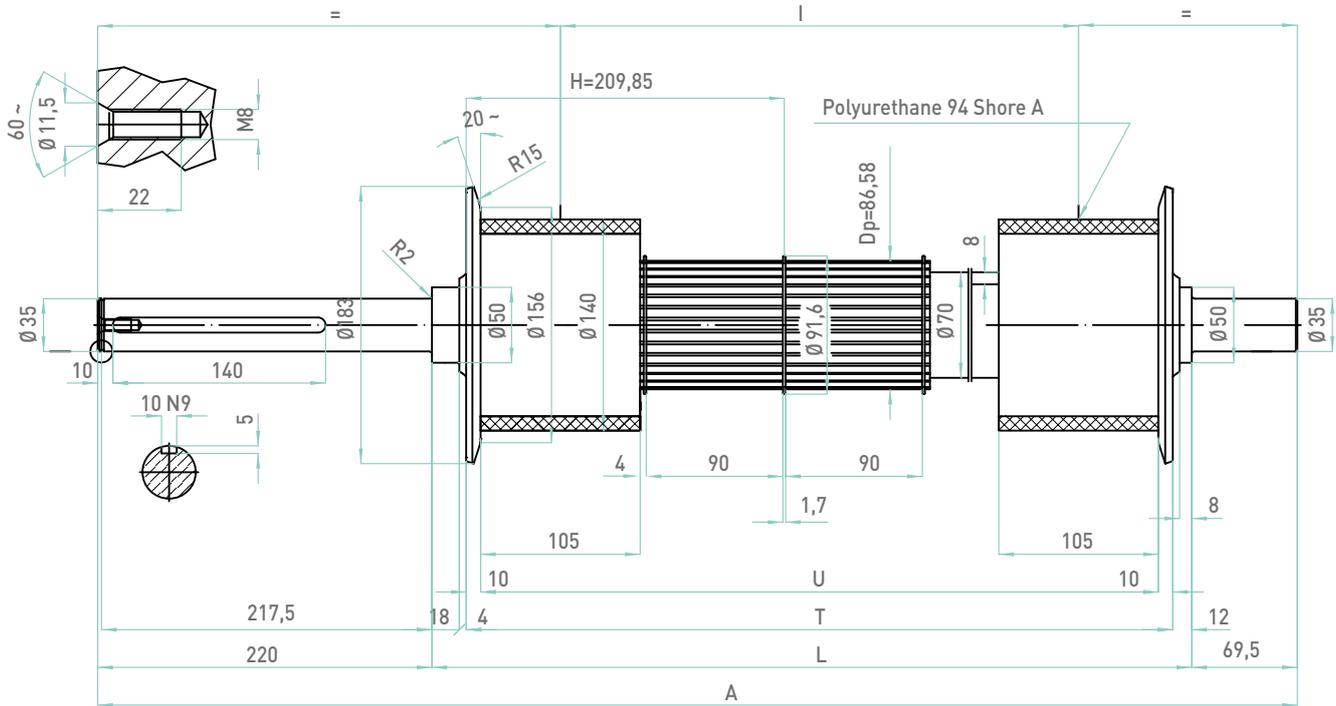


Items	Type	D	L	T	A	U	Pulley
332193V.M8	DRIVE	140	L	L-34	L+289,5	L-54	Z34 HTD 8M-85

Operating condition			332193V.M8	
Speed	Acc. Max	Length	Load CR	
[m/min]	[m/s <sup>2</sup> ]	[mm]	[N]	[rpm]
20	≤ 1,5	≤ 1300	8.206	45
30			7.169	68
40			6.513	91
50			6.046	114
60			5.690	136
70			5.405	159
80			5.169	182
90			4.970	205
100			4.799	227
110			4.649	250
120			4.516	273

1] STANDARD PALLET DRIVE ROLLER 332193V.M8

DIA. 140/70X8/50/35 Z34 HTD 8M-85 POLYURETHANE COATED - HARDENED FLANGES







## COATED SKID ROLLERS

These rollers are generally used for the handling of assemblies (skids) for the most subservient to painting lines.

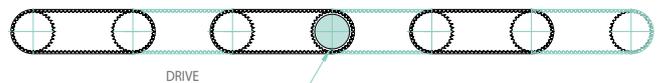
They are suitable for medium – heavy duty working conditions, both in terms of moving masses and in terms of cycle times.

The unit load is supported by two steel wheels coated with polyurethane 94 Shore A hardness, which provide excellent wear resistance, high friction coefficient and low noise;

The wheels 125 mm diameter can be fitted with flanges that help to drive the unit load along the direction of motion. The wheels are fixed to a circular element diam. 70 mm made of electro-welded steel pipe according to the UNI EN 10025. Single row deep groove ball bearings are housed inside the circular element, meeting ISO 492, ISO 76 and ISO 281; they are protected by means of contact seals and are lubricated for life. The shaft is made of steel for structural use according to UNI EN 10025; the shaft ends are provided with tapped holes and millings for fixing the roller to the frame of the roller conveyor. A double pulley, keyed on the pipe diameter. 70 mm between the two coated wheels allows the drive by means of toothed belts series HTD 8M. A double pulley, keyed on the pipe diameter 70 mm between the two coated wheels allows the drive by means of toothed belts series HTD 8M. The pulley is made of steel in accordance with UNI EN 10025.

The standard configuration of the conveyors provides that a central "drive roller", directly connected with the gear motor, transmits the motion, upstream and downstream, to the remaining rollers.

The drive roller axis is machined to allow a perfect coupling with the gear motor and is supported through external bearings mounted on the frame of the conveyor; the remaining "driven rollers" receive motion through toothed belts.

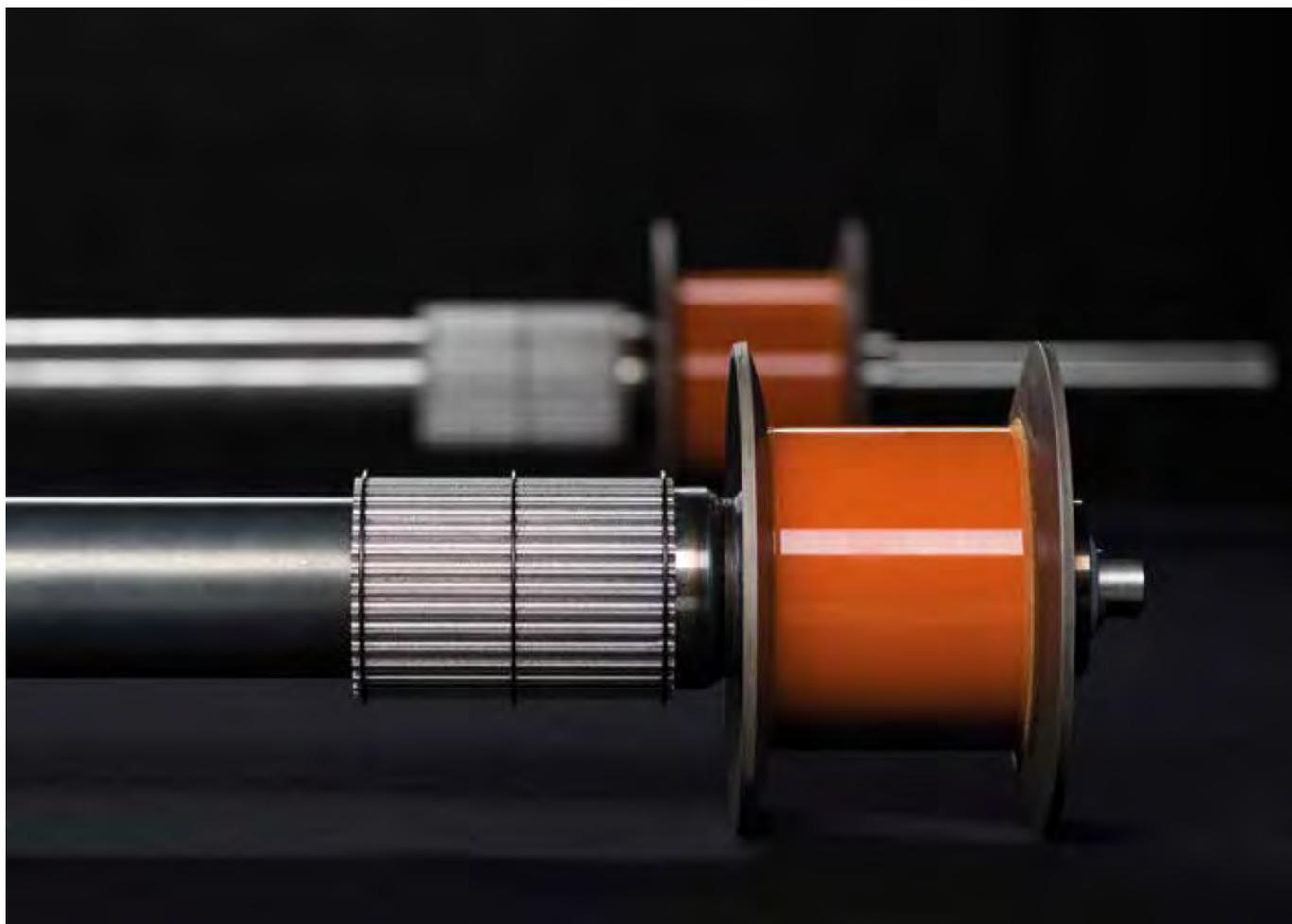


### Technical note:

1. All coated rollers have no significant presence of silicon.
2. It is possible to provide the rollers with antistatic metal wheels.
3. Loads of rollers are valid for:
  - standard environmental conditions;
  - working conditions indicated (speed, acceleration, etc.);
  - homogeneous distribution of the load on the rollers;
  - The bearings which equip the rollers are selected to ensure rated life 10.000 h - actual operation (90% reliability according to ISO specifications).
  - the pre-tension of the belts 1.250 N at 180° wrapped on the pulley;
  - conveyor configuration as shown in figure above.

### General note:

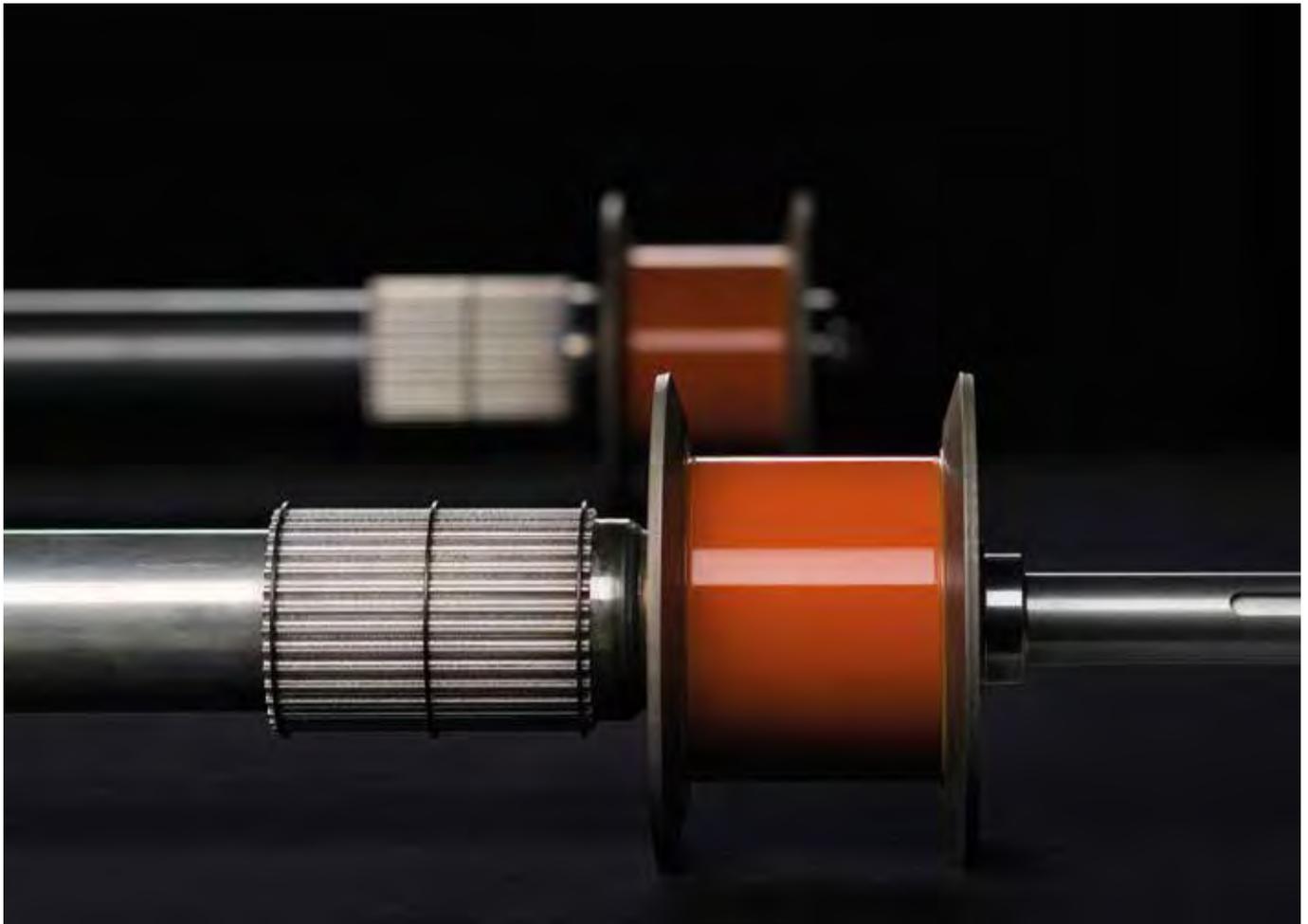
1. Please contact our Sales Office to request the availability of rollers with out of standard length (L).
2. For any other technical information and customized solutions, please contact our Technical Office.



Items	Type	D	Bearing	L	T	A	U	S	Pulley
<b>329759V</b>	DRIVEN	125	6206-2RS	L	L-14	L+30	L-62	5	Z34 HTD 8M-50
<b>329769V</b>	DRIVEN	125	22206	L	L-14	L+30	L-62	8	Z34 HTD 8M-50
<b>329833W</b>	DRIVEN	125	6305-2RS	L	L-40	L+7	L-60	5	Z34 HTD 8M-30

Operating conditions				329759V		329769V		329833W	
Speed	Acc. Max	Temp.	Length	Load CR		Load CR		Load CR	
[m/min]	[m/s <sup>2</sup> ]	[°C]	[mm]	[N]	[mm]	[N]	[mm]	[N]	[mm]
20	≤ 1,5	25	≤ 1300	7.902	51	12.197	51	4.812	51
30				6.903	76	12.197	76	4.371	76
40				6.272	102	12.197	102	4.082	102
50				5.822	127	12.197	127	3.884	127
60				5.479	153	11.904	153	3.727	153
70				5.204	178	11.057	178	3.606	178
80				4.978	204	10.210	204	3.502	204
90				4.786	229	9.363	229	3.418	229
100				4.621	255	8.516	255	3.342	255
110				4.477	280	7.669	280	3.267	280
120				4.349	306	6.822	306	3.220	306





Items	Type	D	L	T	A	U	S	Pulley
<b>332210V.M8</b>	DRIVE	125	L	L-31	L+298,4	L-62	8	Z34 HTD 8M-50
<b>332219V.M8</b>	DRIVE	125	L	L-31	L+298,4	L-62	10	Z34 HTD 8M-50

Operating conditions				332210V.M8		332219V.M8	
Speed	Acc. Max	Temp.	Length	Load CR		Load CR	
[m/min]	[m/s <sup>2</sup> ]	[°C]	[mm]	[N]	[mm]	[N]	[mm]
20	≤ 1,5	25	≤ 1300	7.902	51	12.197	51
30				6.903	76	12.197	76
40				6.272	102	12.197	102
50				5.822	127	12.197	127
60				5.479	153	11.904	153
70				5.204	178	11.057	178
80				4.978	204	10.210	204
90				4.786	229	9.363	229
100				4.621	255	8.516	255
110				4.477	280	7.669	280
120				4.349	306	6.822	306





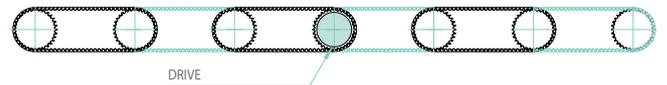


## STEEL ROLLERS

These uncoated rollers are generally used in high temperature environments (drive through chains) or are interspersed with polyurethane coated rollers in order to discharge static charges (drive through straps). The latter can be provided with soundproof wheels fitted within an inside ring of isostatic polypropylene. These rollers are not suitable, however, for high speed and accelerations due to the low coefficient of friction and the high noise in the contact of steel on steel.

The wheels can be fitted with flanges that help to drive the unit load along the direction of motion and are fixed to a circular element diam. 70 mm made of electro-welded steel pipe according to the UNI EN 10025. Single row deep groove ball bearings are housed inside the circular element, meeting ISO 492, ISO 76 and ISO 281; they are protected by means of contact seals and are lubricated for life. The shaft is made of steel for structural use according to UNI EN 10025; the shaft ends are provided with tapped holes and millings for fixing the roller to the frame of the roller conveyor.

The rollers can be driven by a toothed belt HTD 8M series through a double pulley or by chains through steel sprockets series ISO 12B, both in steel according to UNI EN 10025.



### Technical note:

1. Loads of rollers are valid for:
  - standard environmental conditions;
  - working conditions indicated (speed, acceleration, etc.);
  - homogeneous distribution of the load on the rollers;
  - The bearings which equip the rollers are selected to ensure rated life 10.000 h - actual operation (90% reliability according to ISO specifications).
  - the pre-tension of the belts 1.250 N at 180° wrapped on the pulley;
  - conveyor configuration as shown in figure above.

### General note:

1. Please contact our Sales Office to request the availability of rollers with out of standard length (L).
2. For any other technical information and customized solutions, please contact our Technical Office.



Items	Type	D	Bearing	L	T	A	U	S	Pulley
329674.IN	DRIVEN	140	6206-2RS	L	L-16	L+19	L-197	5	Z34 HTD 8M-50
329616	DRIVEN	158	6206-2RS	L	L-22	L+24	L-196	5	Z34 HTD 8M-30
329809V	DRIVEN	140	6206-2RS	L	L-13	L+24	L-33	5	Z34 HTD 8M-85
329823W	DRIVEN	125	6305-2RS	L	L-12	L+7	L-128	5	Z34 HTD 8M-30
329810V	DRIVEN	125	6206-2RS	L	L-14	L+30	L-62	5	Z34 HTD 8M-50
329811V	DRIVEN	125	22206	L	L-14	L+30	L-62	8	Z34 HTD 8M-50
329834W	DRIVEN	125	6305-2RS	L	L-40	L+7	L-60	5	Z34 HTD 8M-30

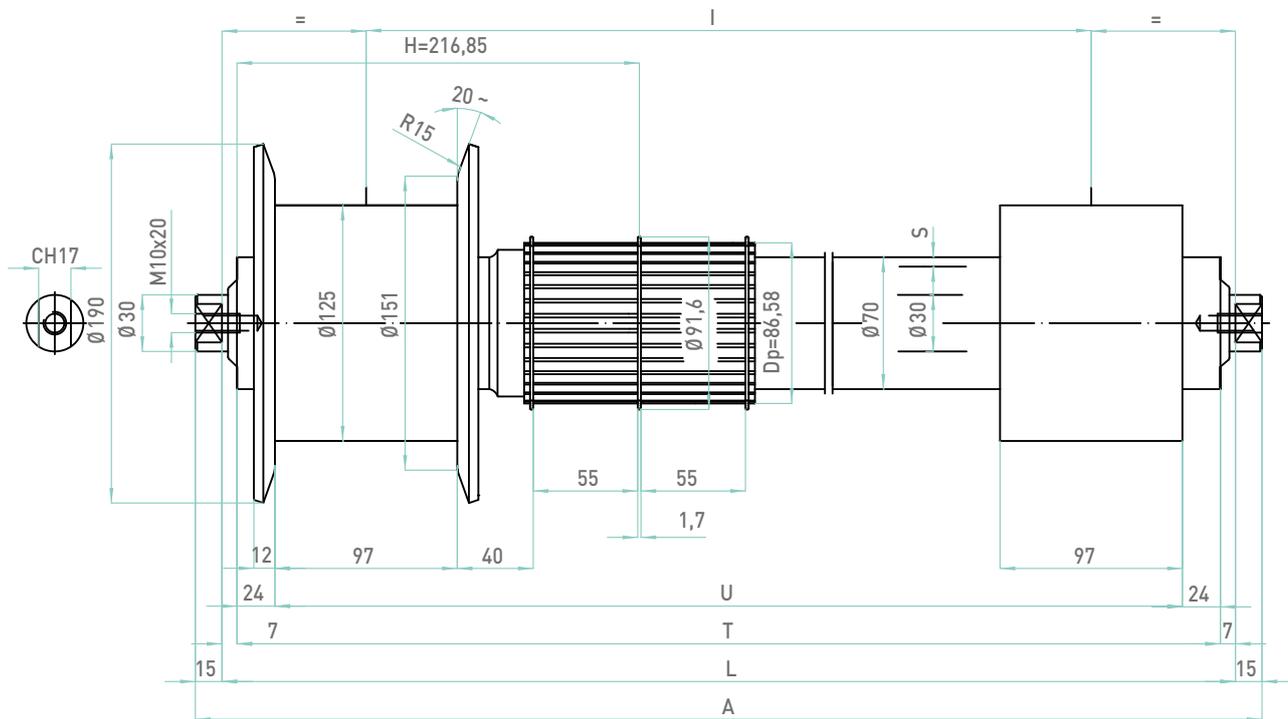
Operating conditions		329674.IN 329616		329809V		329810V		329811V		329823W		329834W	
Speed	L	Load CR		Load CR		Load CR		Load CR		Load CR		Load CR	
[m/min]	[mm]	[N]	[rpm]	[N]	[rpm]	[N]	[rpm]	[N]	[rpm]	[N]	[rpm]	[N]	[rpm]
10	≤ 1300	10.339	23	8.206	23	7.902	25	12.197	25	6.993	25	5.761	25
20		8.206	45	7.169	45	6.903	51	12.197	51	5.841	51	4.812	51
30		7.169	68	6.513	68	6.272	76	12.197	76	5.306	76	4.371	76
40		6.513	91	6.046	91	5.822	102	12.197	102	4.954	102	4.082	102
50		6.046	114	5.690	114	5.479	127	11.904	127	4.714	127	3.884	127
60		5.690	136	5.405	136	5.204	153	11.057	153	4.523	153	3.727	153





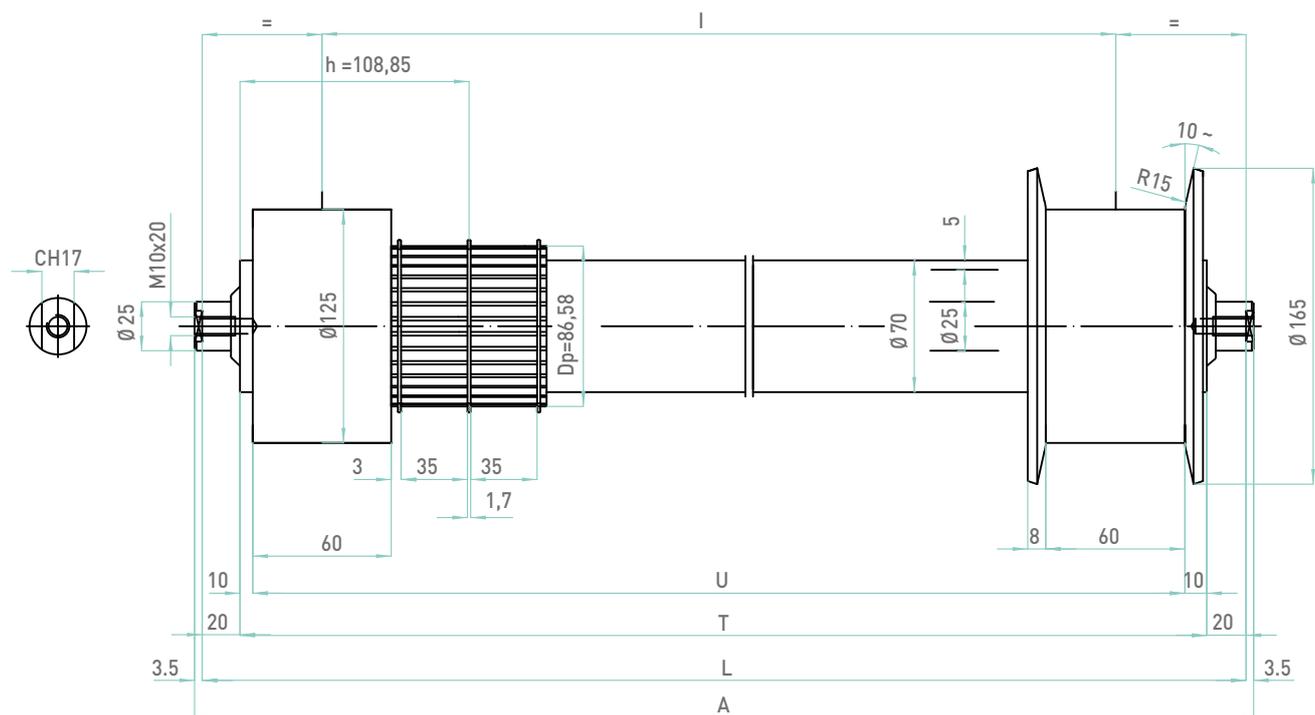
5] SKID DRIVEN ROLLERS 329810V AND 329811V

DIA. 125/70/30 Z34 HTD 8M-50 HARDENED FLANGES



6] SKID DRIVEN ROLLER 329834W

SKID DRIVEN ROLLER 329834W





Items	Type	D	L	T	A	U	S	Pulley
<b>332236V M8</b>	DRIVE	140	L	L-34	L+289,5	L-54	8	Z34 HTD 8M-85
<b>332237V M8</b>	DRIVE	125	L	L-31	L+298,4	L-62	8	Z34 HTD 8M-50
<b>332238V M8</b>	DRIVE	125	L	L-31	L+298,4	L-62	10	Z34 HTD 8M-50

Operating conditions		332237.M8		332238.M8		332236V.M8	
Speed	Length	Load CR		Load CR		Load CR	
[m/min]	[mm]	[N]	[rpm]	[N]	[rpm]	[N]	[rpm]
10	≤ 1300	7.902	25	7.902	25	8.206	23
20		6.903	51	6.903	51	7.169	45
30		6.272	76	6.272	76	6.513	68
40		5.822	102	5.822	102	6.046	91
50		5.479	127	5.479	127	5.690	114
60		5.204	153	5.204	153	5.405	136



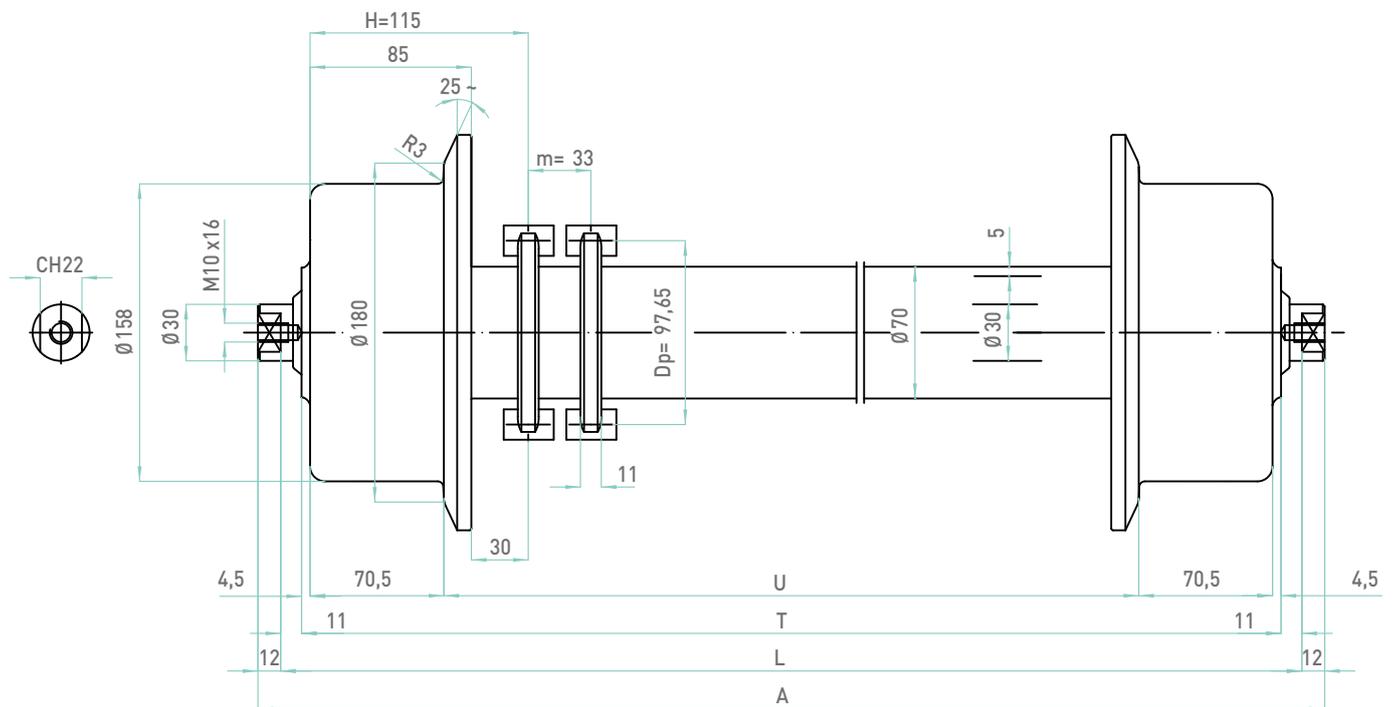


Items	Type	D	Bearing	L	T	A	U	Chain sprocket
329617	DRIVEN	158	6206-2RS	L	L-22	L+24	L-196	Z16 3/4"

Operating conditions		329617	
Speed	Length	Load CR	
[m/min]	[mm]	[N]	[rpm]
10	≤ 1300	10.764	20
20		8.544	40
30		7.464	60
40		6.781	81
50		6.295	101
60		5.924	121

1] STANDARD PALLET DRIVEN ROLLER 329617

DIA. 158/70/30 Z16 3/4"







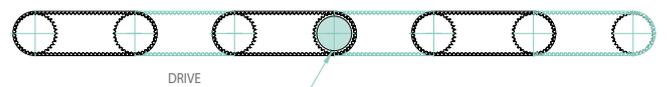
## SINGLE WHEEL COATED ROLLERS

These rollers are mounted in parallel, one for each side of the load, and not connected to each other. They are suitable for medium and heavy working conditions and can move very wide unit loads.

They are usually driven by means of toothed belts and are provided with a steel wheel coated with polyurethane 94 Shore A hardness, which provide excellent wear resistance, high friction coefficient and low noise;

the wheels 125 or 140 mm diameter can be fitted with flanges that help to drive the unit load along the direction of motion. The wheel is fixed to a circular element diam. 70 mm made of electro-welded steel pipe according to the UNI EN 10025. Single row deep groove ball bearings are housed inside the circular element, meeting ISO 492, ISO 76 and ISO 281; they are protected by means of contact seals and are lubricated for life. The shaft is made of steel for structural use according to UNI EN 10025; the shaft ends are provided with tapped holes and millings for fixing the roller to the frame of the roller conveyor.

Generally, when mounted in parallel, one roller is equipped with a double pulley made in steel according to UNI EN 10025 for toothed belt series HTD-8M, while the other one is idle. The driven roller has at least one flange and the idle one can have one, two or no flanges.



### Technical note:

1. All coated rollers have no significant presence of silicon.
2. It is possible to provide the rollers with antistatic metal wheels.
3. Loads of rollers are valid for
  - standard environmental conditions;
  - working conditions indicated (speed, acceleration, etc.);
  - homogeneous distribution of the load on the rollers;
  - The bearings which equip the rollers are selected to ensure rated life 10.000 h - actual operation (90% reliability according to ISO specifications).
  - the pre-tension of the belts 650 N at 180° wrapped on the pulley;
  - conveyor configuration as shown in figure above.

### General note:

1. Please contact our Sales Office to request the availability of rollers with out of standard length (L).
2. For any other technical information and customized solutions, please contact our Technical Office.



Items	Type	D	Bearing	L	T	A	Pulley
329803F	IDLE	140	6206-2RS	128	115	152	-
329804V	DRIVEN	140	6206-2RS	215	202	239	Z34 HTD 8M-30
329805	IDLE	140	6206-2RS	162	148,5	186	-
329806V	DRIVEN	140	6206-2RS	268	255	292	Z34 HTD 8M-30

Operating conditions			329803F 329804V		329805 329806V	
Speed	Acc. Max	Temp.	Load CR		Load CR	
[m/min]	[m/s <sup>2</sup> ]	[°C]	[N]	[rpm]	[N]	[rpm]
20	≤ 1,5	25	5.359	45	5.177	45
30			4.682	68	4.522	68
40			4.253	91	4.109	91
50			3.949	114	3.814	114
60			3.716	136	3.589	136
70			3.530	159	3.409	159
80			3.376	182	3.261	182
90			3.246	205	3.135	205
100			3.134	227	3.027	227
110			3.036	250	2.933	250
120			2.946	273	2.849	273



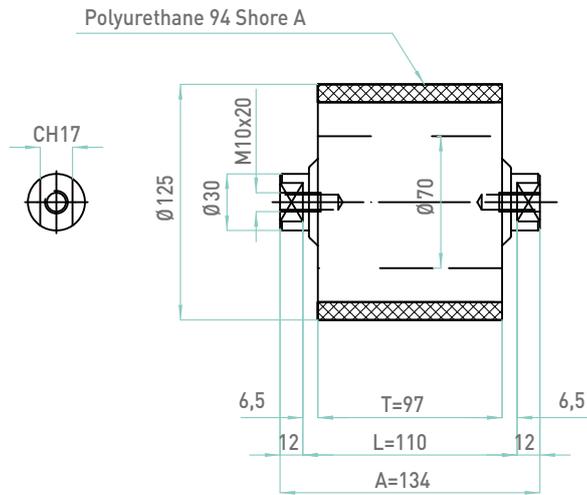


Items	Type	D	Bearing	L	T	A	Pulley
<b>329807</b>	IDLE	125	6206-2RS	110	97	134	-
<b>329808V</b>	DRIVEN	125	6206-2RS	221	208	245	Z34 HTD 8M-30

Operating conditions		329807 - 29808V	
Speed	Acc. Max	Load CR	
[m/min]	[m/s <sup>2</sup> ]	[N]	[rpm]
20	≤ 1,5	5.002	51
30		4.370	76
40		3.970	102
50		3.686	127
60		3.468	153
70		3.295	178
80		3.151	204
90		3.030	229
100		2.925	255
110		2.834	280
120		2.753	306

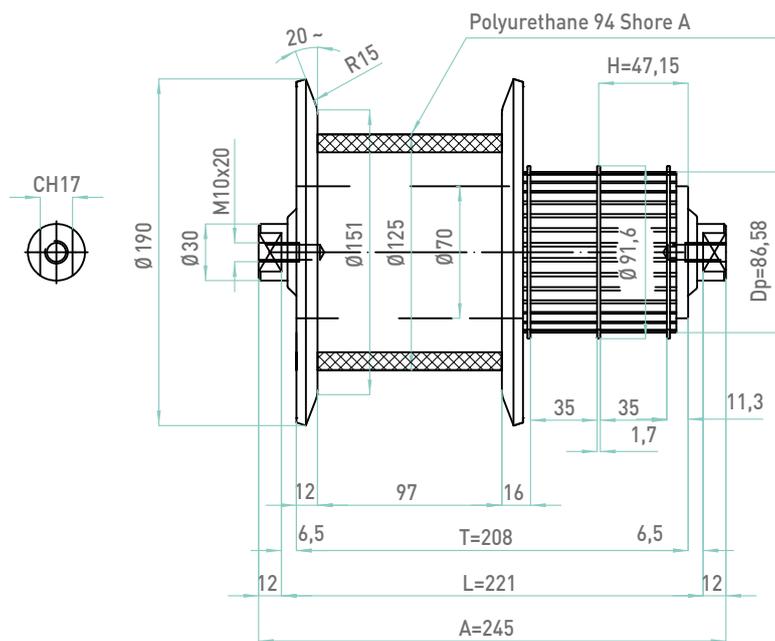
### 1A] SINGLE WHEEL IDLE ROLLER 329807

DIA. 125X97/70/30 POLYURETHANE COATED



### 1B] SINGLE WHEEL DRIVEN ROLLER 329808V

DIA. 125X97/70/30 POLYURETHANE COATED - HARDENED FLANGE







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## DESIGN

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## REQUIREMENTS FOR

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## OUT OF STANDARD

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## ROLLERS CODESIGN

Thanks to the experience achieved over many years of activity in materials handling, **DugomRulli** can cooperate with their customers in the definition phase of the product meeting the conveyors design specifications.

The result will be better as far as the available project data will be accurate and complete. For this reason we ask our customers to fill the attached technical questionnaires related to the specifications of the system, the specific size and configuration of the rollers.

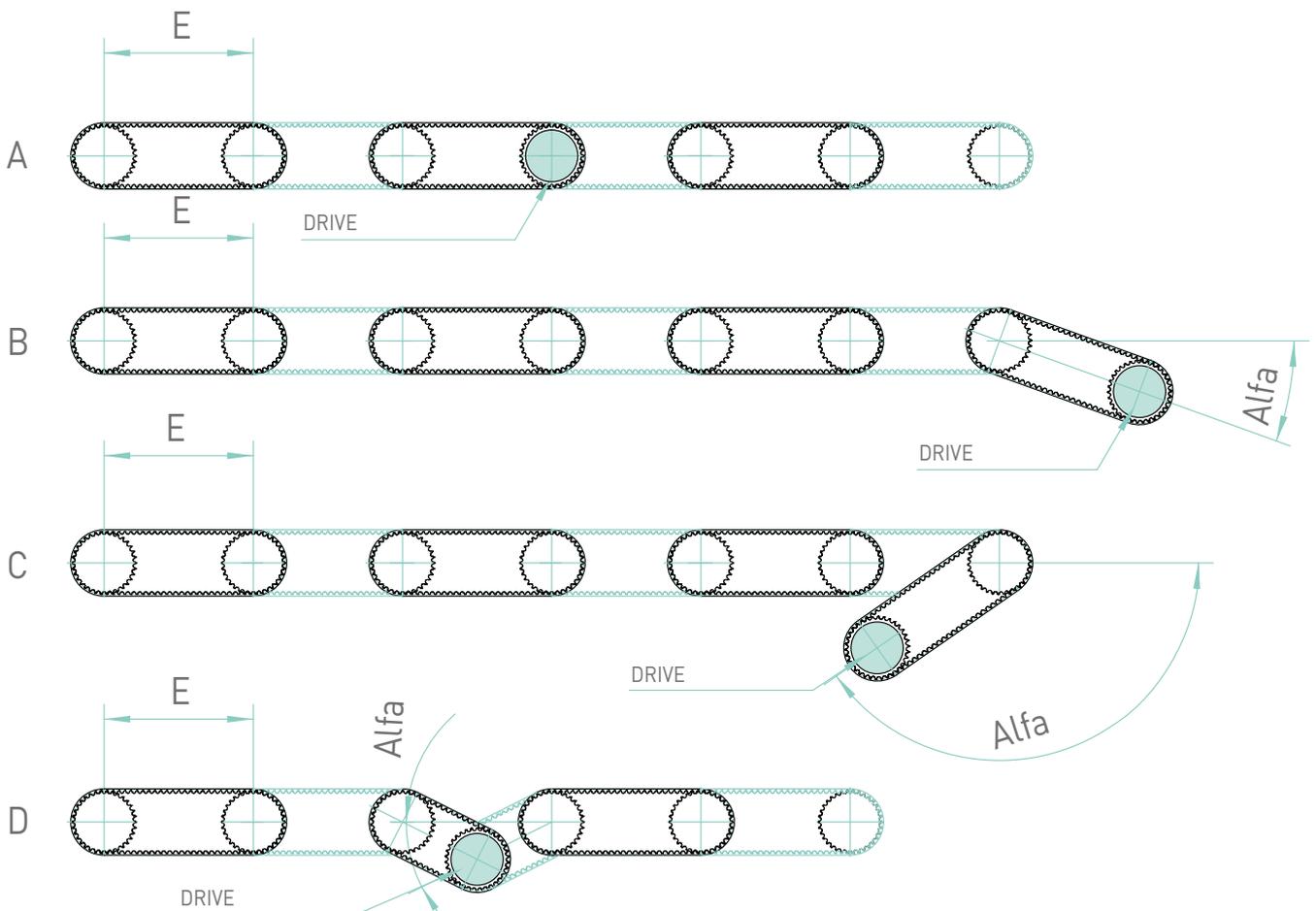
Drawings and 3D models of all rollers included in this catalogue can be downloaded through **DugomRulli** web site.

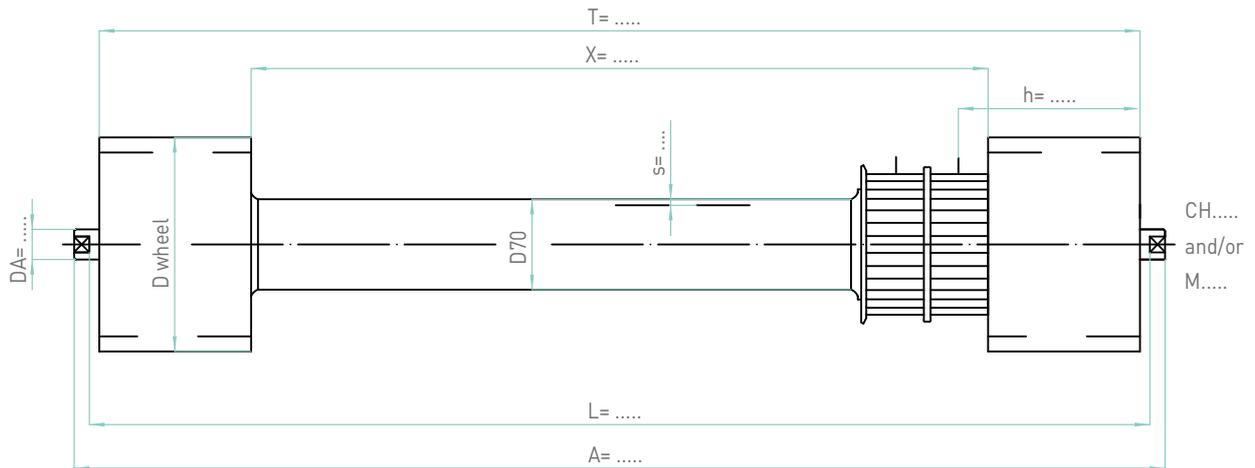


QR Code

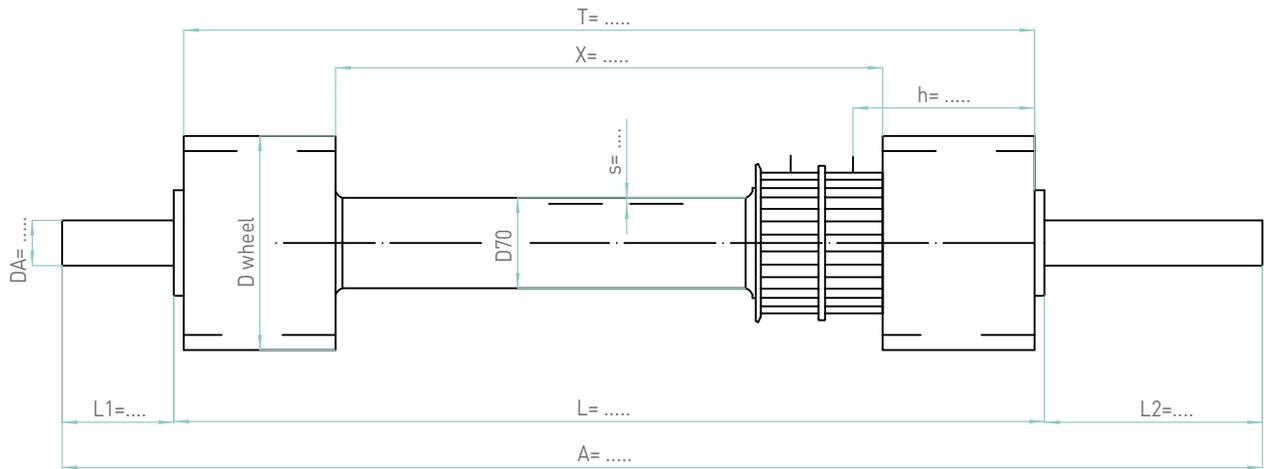
QUESTIONNAIRE FOR DESIGN - INPUT

Max. speed	m/min
Time slot between cycles	sec
Total rounds per cycle	N°
Percentage of transient rounds on total	%
Percentage of rounds at max. speed on total	%
Weight of the unit load	Kg
Loaded length	mm
Distance between the center of the rollers	mm
Friction factor (ex. 0,035)	----
Acceleration of the conveyed load	m/sec <sup>2</sup>
Pre - tensioning of the belts	N
Pre - tensioning of the belt at drive roller	N
Angle of the drive belt (see drawing)	a (degrees)
Indicate which is the drive used "A, B, C, D"	A, B, C, D

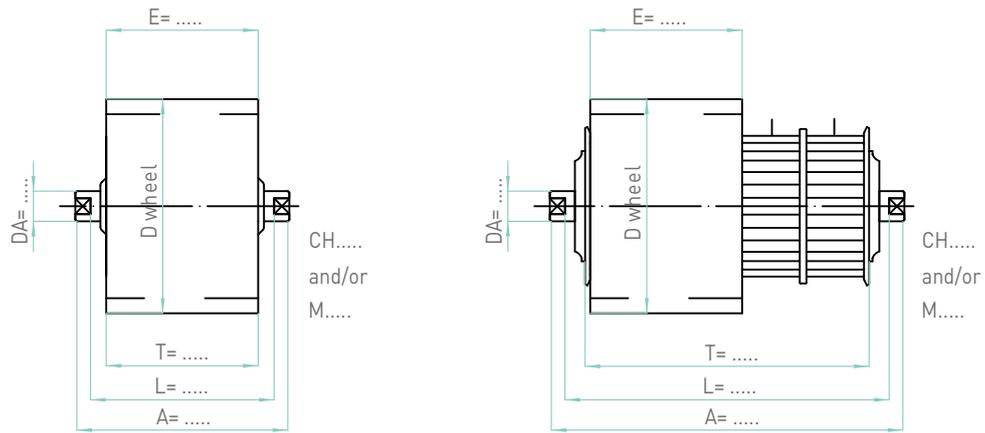




	SPROCKETS		PULLEYS		FLANGES
Type	Pitch: ..... No. of teeth: .....		Z34 HTD 8M-30 Z34 HTD 8M-50 Z34 HTD 8M-85	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Number		<input type="checkbox"/> <input type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/>	
Positioning		<input type="checkbox"/> <input type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/>	
Flanges positioning		<input type="checkbox"/> <input type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
wheels dimension	wheel Ø 125 mm x 58 mm x 60 mm x 97 mm wheel Ø 140 mm x 70 mm x 80 mm x 105 mm wheel Ø 158 mm x 70,5 mm	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	wheel Ø 125 mm x 58 mm x 60 mm x 97 mm wheel Ø 140 mm x 70 mm x 80 mm x 105 mm wheel Ø 158 mm x 70,5 mm	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
			Steel wheels Polyurethane coated wheels	<input type="checkbox"/> <input type="checkbox"/>	



Pulley type	<input type="checkbox"/> Z34 HTD 8M-30 <input type="checkbox"/> Z34 HTD 8M-50 <input type="checkbox"/> Z34 HTD 8M-85	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Number of Pulleys	 	<input type="checkbox"/> <input type="checkbox"/>	
Flanges positioning	    	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
wheels dimension	<input type="checkbox"/> wheel Ø 125 mm x 58 mm <input type="checkbox"/> x 60 mm <input type="checkbox"/> x 97 mm <input type="checkbox"/> wheel Ø 140 mm x 70 mm <input type="checkbox"/> x 80 mm <input type="checkbox"/> x 105 mm <input type="checkbox"/> wheel Ø 158 mm x 70,5 mm	<input type="checkbox"/> flange Ø 165 mm <input type="checkbox"/> flange Ø 183 mm <input type="checkbox"/> flange Ø 190 mm <input type="checkbox"/> hardened	
	<input type="checkbox"/> Steel wheels <input type="checkbox"/> Polyurethane coated wheels	<input type="checkbox"/> <input type="checkbox"/>	



Pulley type	Z34 HTD 8M-30 Z34 HTD 8M-50 Z34 HTD 8M-85	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Flanges positioning		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
wheels dimension	wheel Ø 125 mm x 58 mm x 60 mm x 97 mm wheel Ø 140 mm x 70 mm x 80 mm x 105 mm	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	flange Ø 165 mm flange Ø 183 mm flange Ø 190 mm hardened
	Steel wheels Polyurethane coated wheels	<input type="checkbox"/> <input type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/>

All dimensions are subject to machining tolerances, and although drawings and illustrations are exact, they place the manufacturer under no obligation whatsoever.

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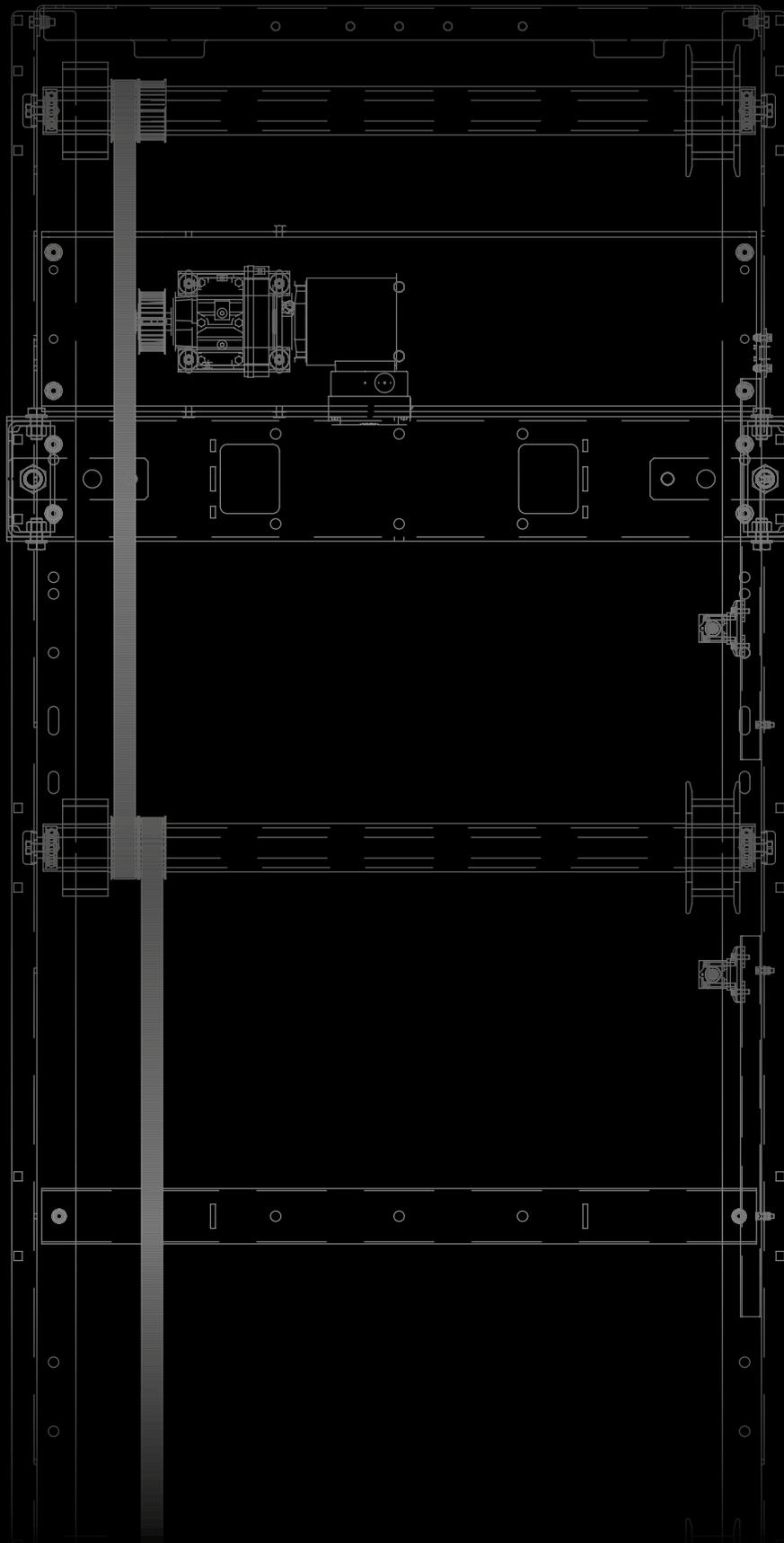
Codice QR

COMPANY  
WITH QUALITY MANAGEMENT  
SYSTEM CERTIFIED BY DNV  
=ISO 9001:2008=

KEY REVISIONS TO CATALOGUE  
CATALOGUE AU03  
REV. 03/17  
03 - Serial number revision  
17- year in review

Progetto Grafico





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