

# Conveyor / guiding rollers and ball units



# Conveyor / guiding rollers and ball units product overview

## Conveyor / guiding rollers and ball units

We produce conveyor rollers with diameters of 30 to 85 mm and with load capacities of 10 to 490 kg. The ball units are sealed on both sides and are sprayed with PEVOLON® or PEVOTHAN®.

We produce the VULKOLLAN® guiding rollers with steel roller bodies that are very often used in materials handling with diameters of 40 to 150 mm and with load capacities from 55 to 1,030 kg.







Ball units with bright zinc plated steel or stainless steel casing are available for a wide range of applications with a load capacity of 10 to 610 kg.

 <div>Series 600 10 - 25 kg Page 138</div>	 <div>Series 130 PA 60 - 490 kg Page 139</div>
 <div>Series 131 PA Series 132 PA 70 - 270 kg Page 140</div>	 <div>Series 130 PU 30 - 170 kg Page 141</div>
 <div>Series 130 PU HD Series 131 PU Series 133 PU 90 - 290 kg Page 142</div>	 <div>Series 173 55 - 1.030 kg Page 143</div>
 <div>Series 701 20 - 340 kg Page 144</div>	 <div>Series 702 20 - 140 kg Page 145</div>
 <div>Series 710/0 10 - 610 kg Page 146</div>	 <div>Series 710/1 20 - 610 kg Page 147</div>

Plastic and pressed steel conveyor rollers

Plastic rollers








Blue plastic rollers with double metal ball bearings in a high-quality polyamide cage, permanently bonded to the roller body made of shock and abrasion resistant polypropylene.

						
Article code		mm	mm	mm	mm	kg
600-10/6,5	600-20/6,5*	48	16	24	6,5	10
600-10/8,0	600-20/8,5*	48	16	24	8	10

\* with white hub and stainless ball bearings

Plastic rollers with wheel flange







Blue plastic rollers, same as series 600-10, but with wheel flange.

							
Article code		mm	mm	mm	mm	mm	kg
600-30/6,5	600-40/6,5*	48	16	18	24	6,5	10
600-30/8,0	600-40/8,0*	48	16	18	24	8	10






\* with white hub and stainless ball bearings

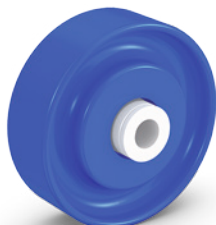
Steel rollers

Pressed steel, zinc-d and chroma- ted, with hardened axis, with ball bearings.

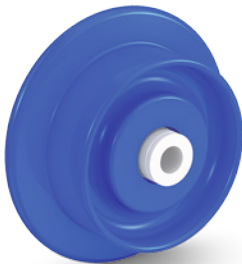
					
Article code	mm	mm	mm	mm	kg
600-50/6,2	48	15	22	6,2	25
600-50/6,2	48	15	24	6,2	25
600-70/8,2	48	16	24	8,2	25

Design same as series 600-50, however with one-sided fixing bolt.

				Bolt length/thread	
Article code	mm	mm	mm	mm	kg
600-80	48	15	27	12 mm/M8	25



Series 600-10/ -20



Series 600-30/ -40



Series 600-50/ -70









Series 600-80

PE·VO·LON® conveyor rollers



Series 130 PA

					
Article code	mm	mm	mm	mm	kg
130 PA/030/011/5/8	30	11	7	8	60
130 PA/040/014,5/5/10	40	14,5	8	10	100
130 PA/040/016/5/15*	40	16	9	15	120
130 PA/040/018,5/5/10	40	18,5	8	10	140
130 PA/042/014,5/5/10	42	14,5	8	10	110
130 PA/042/014,5/5/12	42	14,5	10	12	110
130 PA/044/016/5/12	44	16	8	12	130
130 PA/050/012/5/8*	50	12	7	8	110
130 PA/050/015/5/10	50	15	9	10	140
130 PA/050/015/5/12	50	15	8	12	140
130 PA/050/020/5/12*	50	20	10	12	190
130 PA/050/018/5/12*	50	18	10	12	170
130 PA/054/022/5/12	54	22	10	12	230
130 PA/055/025/5/15 B**	55	25	9	15	270
130 PA/060/030/5/15 GF30	60	30	13	15	350
130 PA/062/020/5/12	62	20	19	12	240
130 PA/065/018,5/5/10	65	18,5	9	10	230
130 PA/065/018,5/5/12	65	18,5	10	12	230
130 PA/070/035/5/20 B**	70	35	41	20	490
130 PA/080/020/5/12	80	20	10	12	310
130 PA/080/020/5/15	80	20	10	15	310
130 PA/080/020/5/17	80	20	12	17	310
130 PA/080/025/5/25	80	25	12	25	400

GF30 = reinforced-fibreglass

as above, but roller body with wider tread

130 PA/038/028/5/12	38	28	10	12	200
130 PA/038/038/5/12	38	38	10	12	250
130 PA/042/028/5/10	42	28	8	10	220
130 PA/042/028/5/12	42	28	10	12	220
130 PA/042/038/5/12	42	38	10	12	300

\* black

\*\* with crowned tread

PEVOLON® conveyor rollers with ball bearing

Roller body made of high-quality thermoplastic polyamide moulded around the ball bearing (/5).











PE·VO·LON® single flanged rollers and grooved wheels











Series 132 PA

Series 131 PA

							
Article code	mm	mm	mm	mm	mm	mm	kg
131 PA/035/010/050/018/5/12	50	35	18	10	8	12	70
131 PA/050/026,5/090/035/5/12*	90	50	35	26,5	10	12	270
131 PA/060/020/065/025/5/15	65	60	25	20	9	15	240
131 PA/062/019/081/026,5/5/15	82	62	26,5	19	12	15	240
131 PA/062/019/081/026,5/5/17	82	62	26,5	19	10	17	240
131 PA/062/019/081/026,5/5/17	82	62	26,5	19	11	17	240

\* with cylindrical tread

							
Article code	mm	mm	mm	mm	mm	mm	kg
132 PA/065/055/018/5/17	65	55	18	4	12	17	75
132 PA/085/075/020/5/10	85	75	20	8	9	10	200
132 PA/085/075/020/5/12	85	75	20	8	10	12	200
132 PA/085/075/020/5/20	85	75	20	8	14	20	200

For more PEVOLON® single flanged rollers and grooved wheels, see page 150/151.

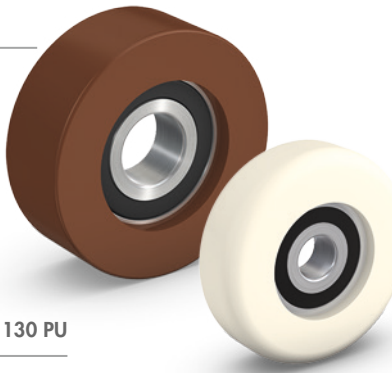
PEVOLON® single flanged rollers with ball bearing

Roller body made of high-quality thermoplastic polyamide moulded around the ball bearing (/5).







PEVOLON® grooved wheels with ball bearing

Roller body made of high-quality thermoplastic polyamide moulded around the ball bearing (/5).

PE·VO·THAN® conveyor rollers



Series 130 PU

					
Article code	mm	mm	mm	mm	kg
130 PU/030/011/5/8	30	11	7	8	30
130 PU/040/014,5/5/10*	40	14,5	8	10	50
130 PU/040/016/5/15**	40	16	8	15	55
130 PU/040/020/5/10	40	20	9	10	70
130 PU/042/014,5/5/10	42	14,5	8	10	55
130 PU/042/014,5/5/12	42	14,5	10	12	55
130 PU/050/015/5/10	50	15	9	10	70
130 PU/050/015/5/12	50	15	8	12	70
130 PU/050/018/5/17	50	18	11	17	80
130 PU/050/025/5/12*	50	25	10	12	100
130 PU/055/025/5/15	55	25	9	15	110
130 PU/060/018/5/12	60	18	10	12	90
130 PU/060/020/5/17	60	20	12	17	95
130 PU/062/020/5/17	62	20	14	17	110
130 PU/065/018,5/5/12	65	18,5	10	12	100
130 PU/070/025/5/20*	70	25	14	20	150
130 PU/080/020/5/12	80	20	10	12	140
130 PU/080/020/5/15	80	20	11	15	140
130 PU/080/020/5/17	80	20	12	17	140
130 PU/080/020/5/20	80	20	14	20	140
130 PU/080/025/5/25	80	25	12	25	170

as above, but roller body with wider tread

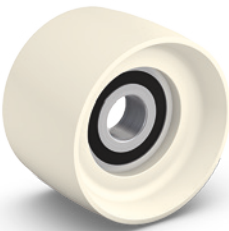
130 PU/038/028/5/12	38	28	10	12	80
130 PU/038/038/5/12	38	38	10	12	110
130 PU/042/028/5/10	42	28	8	10	90
130 PU/042/028/5/12	42	28	8	12	90
130 PU/042/038/5/12	42	38	10	12	130

\* brown

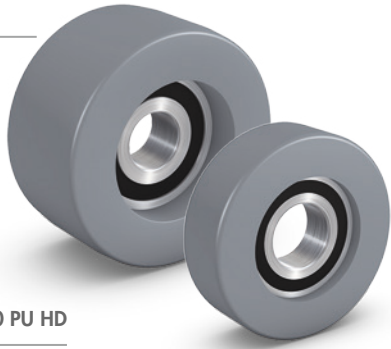
\*\* black

PEVOTHAN® conveyor rollers with ball bearing







Roller body made of high-quality thermoplastic polyurethane (96° Shore A) moulded around the ball bearing (/5).



PE·VO·THAN® / PE·VO·LASTIC®  
conveyor rollers












Series 130 PU HD

					
Article code	mm	mm	mm	mm	kg
130 PU HD/050/015/5/10	50	15	9	10	135
130 PU HD/050/018/5/15	50	18	11	15	150
130 PU HD/050/018/5/17	50	18	11	17	150
130 PU HD/050/025/5/12	50	25	10	12	170
130 PU HD/060/018/5/12	60	18	10	12	150
130 PU HD/060/020/5/17	60	20	12	17	180
130 PU HD/060/030/5/15	60	30	13	15	200
130 PU HD/070/025/5/20	70	25	14	20	270
130 PU HD/080/020/5/17	80	20	12	17	235
130 PU HD/080/025/5/20	80	25	14	20	260
130 PU HD/080/025/5/25	80	25	15	25	290







PEVOTHAN® single flanged rollers with ball bearing

Roller body made of high-quality thermoplastic polyurethane (96° Shore A) moulded around the ball bearing (/5).

								
Article code	mm	mm	mm	mm	mm	mm	mm	kg
131 PU/062/019/081/026/5/15	81	62	26	19	26	11	15	100
131 PU/062/019/081/026/5/17	81	62	26	19	26	12	17	100
131 PU/050/026,5/090/035/5/12	90	50	35	26,5	35	10	12	120

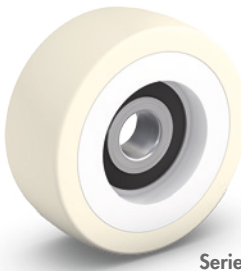
PEVOLASTIC® conveyor rollers with ball bearing

PEVOLON® roller body with a non-detachable, mechanically bonded tread made of high-quality thermoplastic polyurethane (96° Shore A) moulded around the ball bearing (/5).

					
Article code	mm	mm	mm	mm	kg
133 PU/050/020/5/10	50	20	9	10	90
133 PU/080/027/5/20	80	27	14	20	190

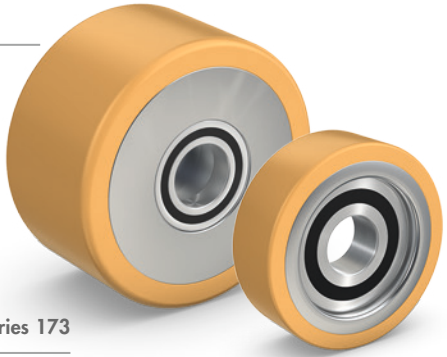


Series 131 PU









Series 133 PU

VULKOLLAN® guiding rollers



Series 173

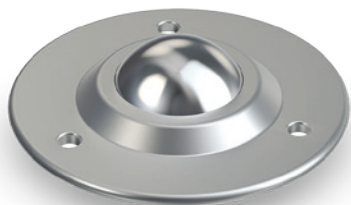
					
Article code	mm	mm	mm	mm	kg
173/040/015/5/10	40	15	8	10	55
173/040/020/5/10	40	20	8	10	70
173/040/025/5/10	40	25	8	10	90
173/050/015/5/10	50	15	9	10	70
173/050/018/5/17	50	18	10	17	80
173/050/020/5/12	50	20	10	12	90
173/055/020/5/12	55	20	10	12	100
173/055/020/5/15	55	20	10	15	100
173/060/020/5/17	60	20	12	17	110
173/060/020/5/20	60	20	12	20	110
173/070/020/5/17	70	20	12	17	125
173/070/020/5/20	70	20	12	20	120
173/070/025/5/20	70	25	14	20	160
173/070/025/5/25	70	25	15	25	160
173/080/025/5/20	80	25	15	20	180
173/080/025/5/25	80	25	15	25	180
173/090/025/5/25	90	25	15	25	200
173/100/025/5/25	100	25	15	25	220
173/120/025/5/20	120	25	15	20	270
173/120/025/5/25	120	25	15	25	270
173/120/030/5/30	120	30	13	30	320
173/125/030/5/20	125	30	30	20	335
173/125/030/5/25	125	30	35	25	335
173/150/050/5/35	150	50	42	35	680
173/150/080/5/35	150	80	80	35	1.030

VULKOLLAN® guiding rollers with ball bearing

Roller body made of steel with force-fitted roller bearing (/5) and direct bonded VULKOLLAN® tread (93° Shore A).





# Ball units



Series 701

## Ball units with steel housing

Housing bright zinc plated steel or stainless steel. Steel, nylon (N) or stainless steel (R) load ball.

	Ball Ø	D	D1	H	h	a	b	Hole Ø	Bolt hole spacing	
Article code	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
701-20/0-F2	20	29	61	22	10	3	7	5	45	25
701-25/0-F2	25	38	73	30	14	3	8	5	56	55
701-32/0-F2	32	46	73	36	16	4	8	5	59	125
701-40/0-F2	40	56	89	46	22	6	13	7	70	140
701-50/0-F3	50	75	121	59	29	6	14	8	92	340

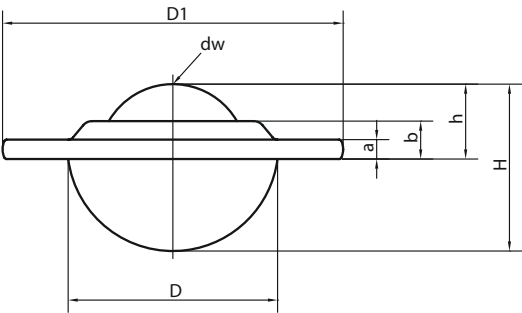
with nylon ball, zincd housing

701 N-20/0-F2	20	29	61	22	10	3	7	5	45	20
701 N-25/0-F2	25	38	73	30	14	3	8	5	56	25

stainless steel housing and ball

701 R-20/0-F2	20	29	61	22	10	3	7	5	45	25
701 R-25/0-F2	25	38	73	30	14	3	8	5	56	55
701 R-32/0-F2	32	46	73	36	16	4	8	5	59	125
701 R-40/0-F2	40	56	89	46	22	6	13	7	70	140
701 R-50/0-F3	50	75	121	59	29	6	14	8	92	340

F2 = 2-Fixing holes, F3 = 3-Fixing holes



Design Series 701



# Ball units



Series 702

## Ball units with bolt fixing

Housing bright zinc plated or stainless steel. Steel, nylon (N) or stainless steel (R) load ball.

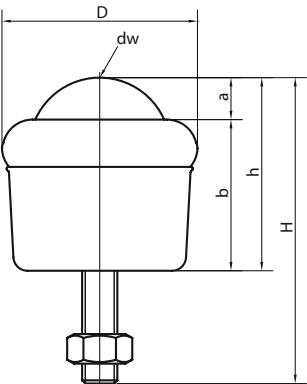
	Ball Ø	D	H	h	a	b	Fixing bolt	
Article code	mm	mm	mm	mm	mm	mm	mm	kg
702-19/1	19	32,1	65,2	30,2	4,7	25,4	M8 x 35	20
702-25/1	25	39,7	82,7	39,7	6,3	33,4	M8 x 43	55
702-40/1	40	55,5	96,8	54,8	11,9	42,9	M10 x 42	140

with nylon ball, zincd housing

702 N-19/1	19	32,1	65,2	30,2	4,7	25,4	M8 x 35	20
702 N-25/1	25	39,7	82,7	39,7	6,3	33,4	M8 x 43	25

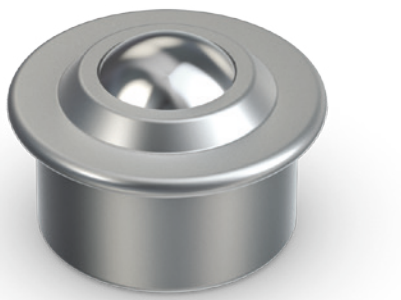
stainless steel housing and ball

702 R-19/1	19	32,1	75,2	30,2	4,7	25,4	M8 x 45	20
702 R-25/1	25	39,7	72,7	39,7	6,3	33,4	M8 x 43	55
702 R-40/1	40	55,5	86,8	54,8	11,9	42,9	M10 x 32	140



Design Series 702



EURO ball units



Series 710/0

EURO ball units with steel housing

Housing with separate hardened bearing cup, bright zinc plated or stainless steel.  
Steel support ball. Steel, nylon or stainless steel load balls.

	Ball Ø	D	D1	H	h	a	b	
Article code	mm	mm	mm	mm	mm	mm	mm	kg
710-15/0	15	24	31	21,0	9,5	2,8	6,3	60
710-22/0	22	36	45	30,0	9,8	2,8	5,5	160
710-30/0	30	45	55	37,0	13,8	4,0	8,3	300
710-45/0	45	62	75	53,5	19,0	4,0	10,0	610

with nylon ball, zincd housing

710 N-15/0	15	24	31	21,0	9,5	2,8	6,3	10
710 N-22/0	22	36	45	30,0	9,8	2,8	5,5	20
710 N-30/0	30	45	55	37,0	13,8	4,0	8,3	25

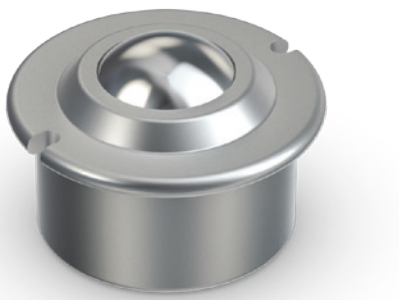
with stainless steel ball, zincd housing

710 S-15/0	15	24	31	21,0	9,5	2,8	6,3	60
710 S-22/0	22	36	45	30,0	9,8	2,8	5,5	160
710 S-30/0	30	45	55	37,0	13,8	4,0	8,3	300
710 S-45/0	45	62	75	53,5	19,0	4,0	10,0	610

stainless steel housing and ball

710 R-15/0	15	24	31	21,0	9,5	2,8	6,3	38
710 R-22/0	22	36	45	30,0	9,8	2,8	5,5	100
710 R-30/0	30	45	55	37,0	13,8	4,0	8,3	200
710 R-45/0	45	62	75	53,5	19,0	4,0	10,0	250



EURO ball units



Series 710/1

EURO ball units with steel housing and two slotted holes.

Housing with separate hardened bearing cup, bright zinc plated or stainless steel.  
Steel support ball. Steel, nylon or stainless steel load balls.

	Ball Ø	D	D1	H	h	a	b	Hole Ø	Bolt hole spacing	
Article code	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
710-15/1	15	24	31	21,0	9,5	2,8	6,3	3,5	29	60
710-22/1	22	36	45	30,0	9,8	2,8	5,5	3,5	42	160
710-30/1	30	45	55	37,0	13,8	4,0	8,3	3,5	51	300
710-45/1	45	62	75	53,5	19,0	4,0	10,0	4,3	69	610

with nylon ball, zincd housing

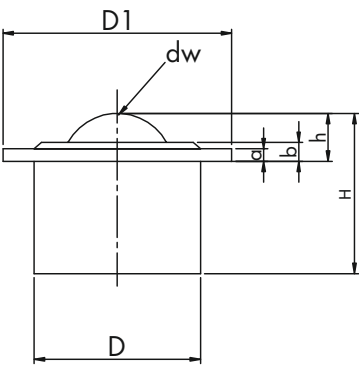
710 N-22/1	22	36	45	30,0	9,8	2,8	5,5	3,5	42	20
710 N-30/1	30	45	55	37,0	13,8	4,0	8,3	3,5	51	25

with stainless steel ball, zincd housing

710 S-22/1	22	36	45	30,0	9,8	2,8	5,5	3,5	42	160
710 S-30/1	30	45	55	37,0	13,8	4,0	8,3	3,5	51	300

stainless steel housing and ball

710 R-15/1	15	24	31	21,0	9,5	2,8	6,3	3,5	29	38
710 R-22/1	22	36	45	30,0	9,8	2,8	5,5	3,5	42	100



Design Series 710