

Rotate unit DE 2 - BG 3



- The rotary unit is a module for the horizontal rotation and transport of workpiece carriers
- With this, branch-offs and crossings are also possible for heavy workpiece pallets (up to 160 kg)

Product description

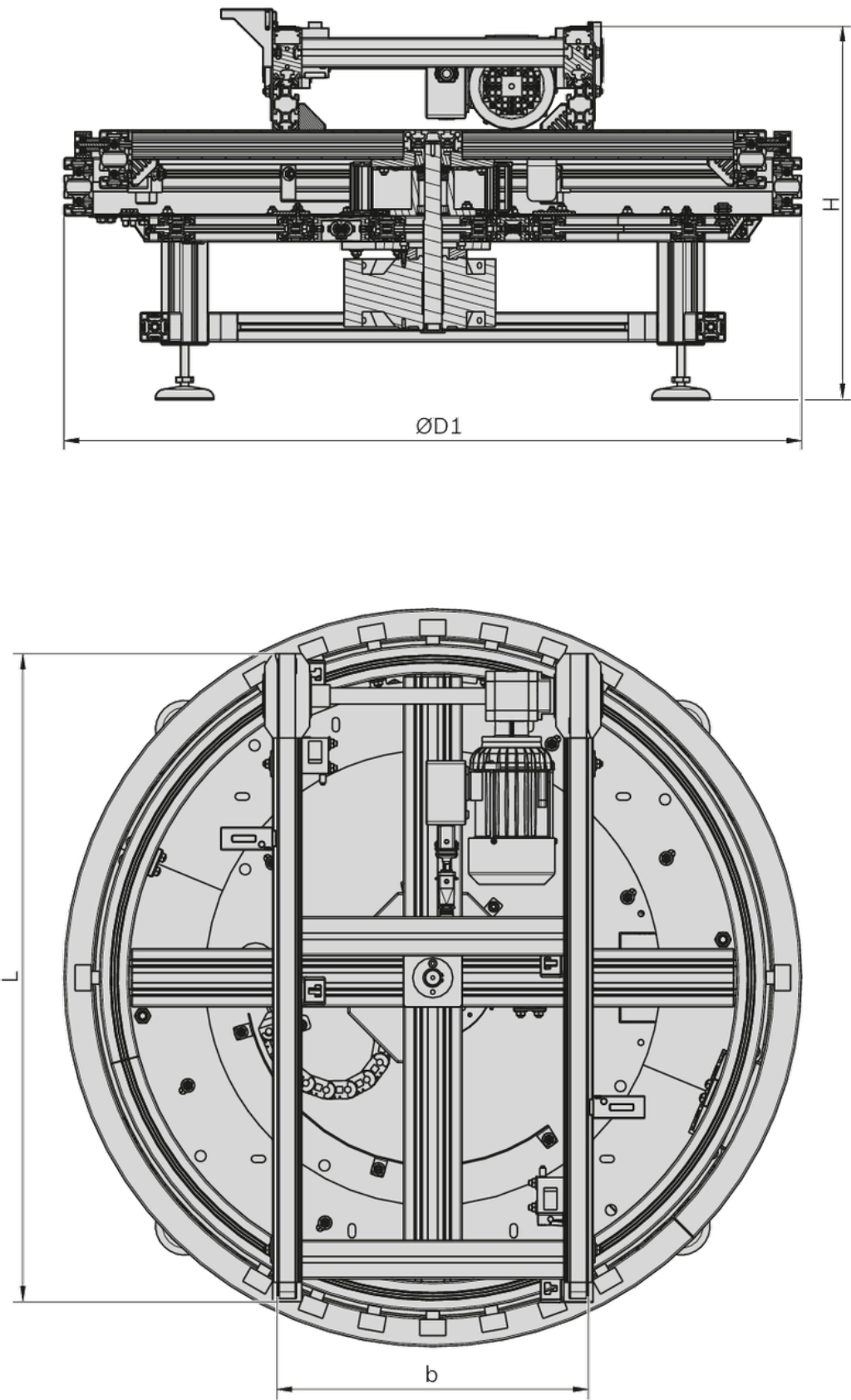
- Can be used with all workpiece pallets WT 2, WT 2/F, WT 2/H and WT 2/F-H
- Conveyor medium optionally toothed belt, flat top chain, accumulation roller chain, duplex chain
- Reversible for toothed belt and accumulation roller chain
- Total weight up to 160 kg, depending on WT size
- Electric rotary drive with internal motor mounting
- Motor mounting for the section at the section end
- Rotary range of a total of 270°, divided in 90° steps

Technical data

No.			3842998873
Max. total weight of workpiece pallet	m _G	kg	160
Required compressed air connection	p	bar	5 ... 6
Pneumatic push-in fitting	Ø	mm	6
Rotary movement time		s	90°: 4 180°: 7 270°: 10

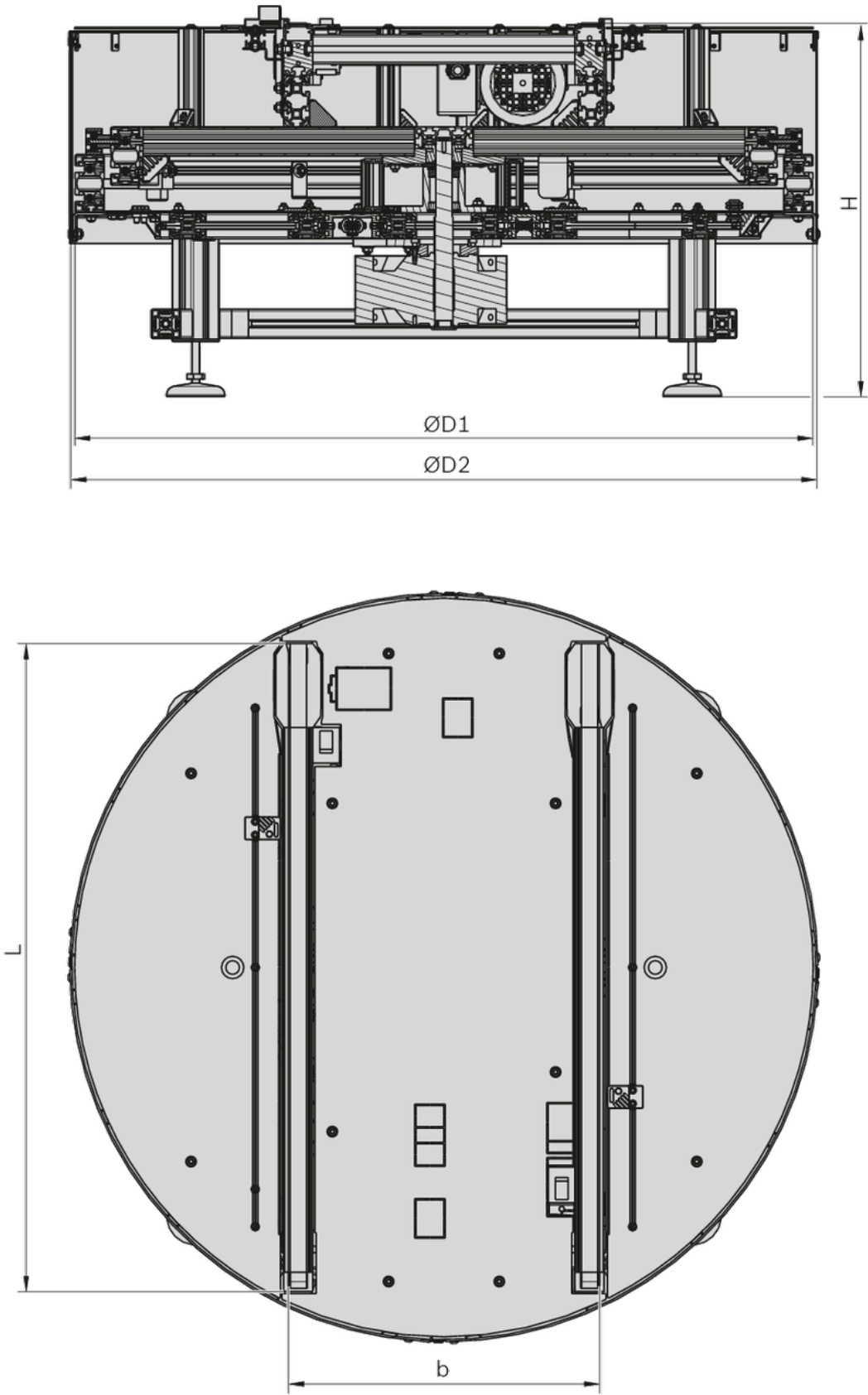
Dimensions

Rotate unit without protective cover



38218

Rotate unit with protective cover

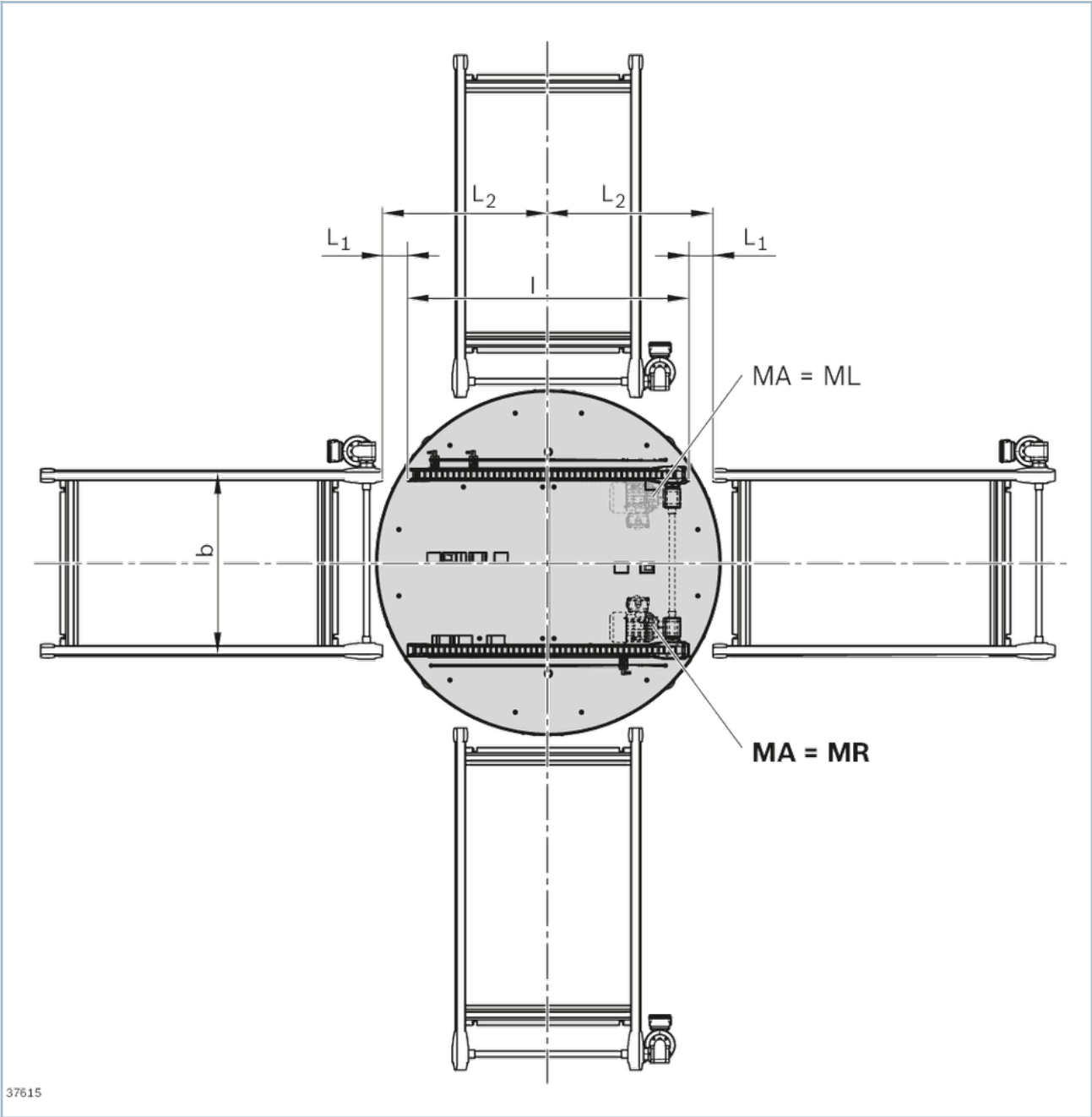


38219

Track width in the direction of transport	Belt section length	ø without protective cover	ø with protective cover	Transportation height
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Track width in the direction of transport	Belt section length	ø without protective cover	ø with protective cover	Transportation height
b	L	D1	D2	H
mm	mm	mm	mm	mm
480	1001	1140	1156	585 ... 1400
640	903	1140	1156	585 ... 1400
800	761	1140	1156	585 ... 1400

Distance of connecting belt sections



WT 2, WT 2/F ¹⁾						
b [mm]	l_T [mm]	BG ²⁾	MA ³⁾	$l^4)$	L1 [mm]	L2 [mm]
480	800	3	MR	1001	47,5	548,0
640	640	3	MR	903	76,5	528,0

WT 2, WT 2/F ¹⁾						
b [mm]	l _T [mm]	BG ²⁾	MA ³⁾	l ⁴⁾	L1 [mm]	L2 [mm]
640	800	3	MR	903	76,5	528,0
800	480	3	MR	761	147,5	528,0
800	640	3	MR	761	147,5	528,0

1) WT 2 and WT 2/F workpiece pallets with lateral stop gate

2) Size

3) Motor mounting: MR = middle right

4) Length of the belt section assembled at the DE 2

WT 2/H, WT 2/F-H ¹⁾						
b [mm]	l _T [mm]	BG ²⁾	MA ³⁾	l ⁴⁾	L1 [mm]	L2 [mm]
480	800	3	ML	1001	47,5	548,0
640	640	3	ML	903	76,5	528,0
800	480	3	ML	761	147,5	528,0
800	640	3	ML	761	147,5	528,0

1) WT 2/H and WT 2/F-H workpiece pallets with center stop gate

2) Size

3) Motor mounting: ML = middle left

4) Length of the belt section assembled at the DE 2

WT 2, WT 2/F ¹⁾							
b [mm]	l _T [mm]	BG ²⁾	MA ³⁾	l ⁴⁾	L1 [mm]	L2 [mm]	Connection belt required ⁵⁾
480	800	3	ML	1001	47,5	548	
640	640	3	ML	903	71,5	523	
800	480	3	ML	761	142,5	523	•

1) Stop by lateral stop gate

2) Size

3) Motor mounting: ML = middle left

4) Length of the belt section assembled at the DE 2

5) To bridge the conveyor trench between DE 2 rotate unit and the downstream section, connection belts are required at the connecting sections

WT 2/H, WT 2/F-H ¹⁾							
b [mm]	l _T [mm]	BG ²⁾	MA ³⁾	l ⁴⁾	L1 [mm]	L2 [mm]	Connection belt required ⁵⁾
480	800	3	ML	1001	47,5	548	
640	640	3	ML	903	71,5	523	
800	480	3	ML	761	142,5	523	•

1) Stop by center stop gate

2) Size

3) Motor mounting: ML = middle left

4) Length of the belt section assembled at the DE 2

5) To bridge the conveyor trench between DE 2 rotate unit and the downstream section, connection belts are required at the connecting sections

Accessories

Required accessories

Anchoring of the rotate unit at the floor

For each bolting point:

- 1x foundation bracket, 3842146815
- 1x dowel, 3842526560
- 2x T-bolts, 3842528718
- 2x flange nuts, 3842345081

Sensors

- For controlling the position (0° / 90° / 180° / 270°) 4x M12 with M8, $S_N = 4$ mm, flush, 3842549812
- or alternatively: 4x M12 with M12, $S_N = 4$ mm, flush, 3842549814
- For stopping and locking the rotary movement (VE) 4x M8 with M8, $S_N = 2$ mm, flush, 3842551761
- For WT end position and running in of workpiece pallets with deceleration (ramp) 3x M12 with M12, $S_N = 8$ mm, not flush, 3842557633
- or alternatively: 3x M12 with M8, $S_N = 8$ mm, not flush, 3842549813
- For stopping and locking the workpiece pallet (VE) 2x M8 with M8, $S_N = 2$ mm, flush, 3842551761
- For end position of the rotary movement 1x M12 with M8, $S_N = 4$ mm, flush, 3842549811

Frequency converters

- 1x for the motor for rotary movement
- 1x for the motor of the belt section of the drive unit (deceleration and start-up of the workpiece pallet)

I/O module (PROFIBUS® or Ethernet)

- For connection of proximity switches for control of the workpiece pallet
- For connection of necessary solenoid valves for control of the stop gates

Delivery notes

Condition of Delivery

Ready-to-install incl. supports

Optional: Protective covers assembled

Ordering codes

Order Parameter

No.		3842998873
WT	Workpiece pallet type 1: WT 2, WT 2/F 2: WT 2/H, WT 2/F-H	1; 2
b (mm)	Track width in direction of transport	480; 640; 800
l_T (mm)	Length in direction of transport	480; 640; 800

b x l _T (mm)	Combination Options	CM 1...8: 480x800; 800x480 CM 1, WT=1: 640x640 CM 1: 800x640; 640x800 CM 2...8: 640x480; 480x640
CM	Conveyor medium 1: BS 2 (with ZR) 2: BS 2/C with standard chain 3: BS 2/C with chain, anti-static 4: BS 2/R with steel profile + PA accumulation roller 5: BS 2/R with steel profile + steel accumulation roller 6: BS 2/R with steel profile + PA accumulation roller with small parts protection (only pulling) 7: BS 2/R with steel profile + steel accumulation roller with small parts protection (only pulling) 8: BS 2/G-250	1; 2; 3; 4; 5; 6; 7; 8
H	Transportation height	585 ... 1400
CT	Type of protection 0: without 1: with sheet steel	0; 1
VE	Stop gate 0: without 1: with stop gate	0; 1
v _N (m/min)	Nominal speed	6; 9; 12; 15; 18
U, f (V, Hz)	Voltage, frequency	see motor data

	No.
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