

V/202e



**BIZERBA | LOW-PROFILE PLATFORM**

**TYPE 150**



→ HIGH REPRODUCTION ACCURACY COUPLED  
WITH OPTIMUM WEAR RESISTANCE.



# IMPRESSIVE PERFORMANCE UNDER EVEN EXTREME CONDITIONS

## → Application scope

Low-profile platform type 150 is characterized by an impressive low-level design. The load is transmitted via a platform frame made of 1.4301 stainless steel and mounted in shock absorbing elements. The corrosion-proof bell-shaped weighing platform offers optimum protection of the functional elements. Power transmission by means of a pair of load levers in sectional steel with spring support and coupling strap to the integrated DMS (strain gauge) load cell ensures optimum long-term accuracy and wear resistance even under tough operating conditions. The use of high grade materials ensures that the type 150 is capable of operation in even the most adverse operating environments. Optimum levelling is ensured by means of foot screws and a spirit level mounted on the main frame. Used in

conjunction with the Bizerba system evaluators, the weighting system can be adjusted in line with your specific conditions.

## → Optional equipment

### ■ Higher verifiable weight range resolution.

In conjunction with selected load cells type BB15, the low-profile platform can also be configured as a single-range scale with a higher resolution or as a two and three-range scale. The load cell connections lead to a connection box within the low-profile platform. Platforms with increments  $\leq 0.002$  kg are equipped with an oil shock absorbing system for vibration damping.

■ **Enhanced corrosion protection.** For use under extreme ambient conditions, a platform is available in which not only the unstructured bell-shaped weighing platform but also the main and platform frame, load levers and



\*\* NO PROBLEM FOR THE BIZERBA LOW-PROFILE PLATFORM TYPE 150

levelling foot screws are made of 1.4301 stainless steel. Alternatively, the platform is also available in acid-resistant 1.4571 stainless steel.

■ **The load platform in an explosion-proof version** is approved for use in potentially explosive atmospheres conforming to zone 2/22 and 1/21.

■ **Bench.** Rigid design made of welded sectional sheet steel with 4 stainless steel foot screws for levelling. Frame optionally in galvanized sheet steel or unstructured 1.4301 stainless steel.

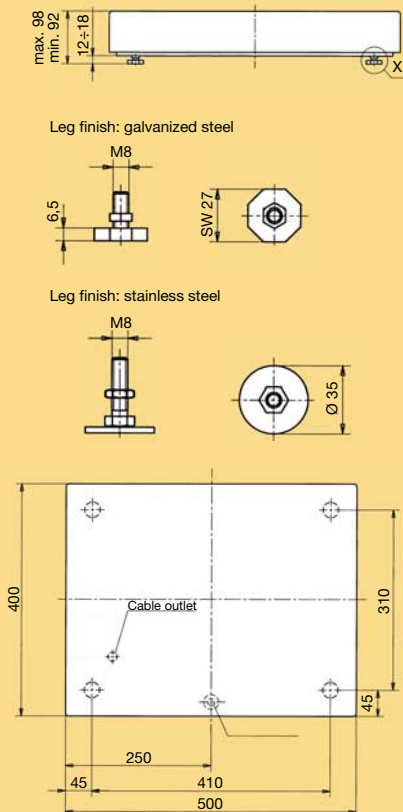
■ **Standard roller conveyor.** Non-driven roller conveyor mounted ready for operation on the weighing platform and preloaded. Stable design for easy loading and transport of weighed product or for integration in the customer's own transport system.

Frame in sectional aluminium and rollers sheathed in PVC. The standard version is drip-resistant suitable for use in damp areas and not suitable for operation in potentially explosive atmospheres. For maximum loads > 60 kg and for potentially explosive atmospheres, a roller conveyor version with sectional steel frame and tubular steel rollers in a galvanized finish is available.

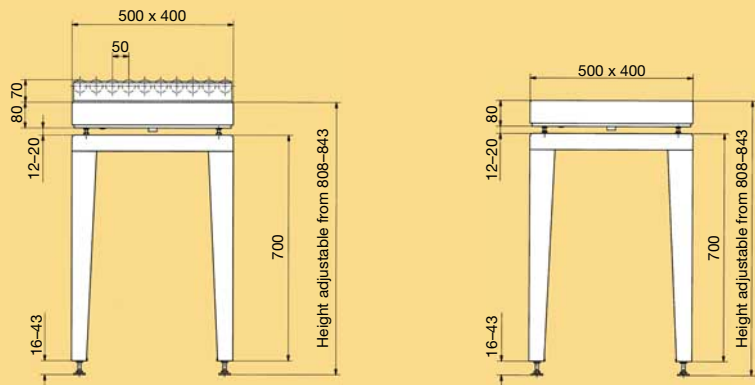
→ **Assembly and installation**

Assembly, adjustment and electrical installation with connection of the load cell to the system evaluator as well as mains connection take place in accordance with our operating instructions and our terminal plan in compliance with DIN/VDE regulations and national directives for electricity utility companies by authorized specialist personnel.

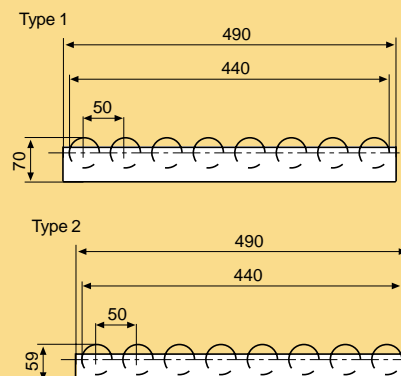
→ **Dimensions in mm**



→ **Bench**



→ **Standard roller conveyor**



Approved weighing range <sup>1)</sup> in kg	Division	Digital increments in kg	Load capacity <sup>2)</sup> in kg	Max. preload compensation			Roller conveyor <sup>3)</sup>
				electronic	mechanical	total	
0,1 – 15	3000 d	0,005	90	10	18	28	1 <sup>7)</sup>
0,04 – 6/15	2 x 3000 d	0,002/0,005	90	-	18	18	1 <sup>7)</sup>
0,2 – 30	3000 d	0,01	90	15	18	33	1 <sup>7)</sup>
0,1 – 30	6000 d	0,005	90	15	18	33	1 <sup>7)</sup>
0,1 – 15/30	2 x 3000 d	0,005/0,01	90	15	18	33	1 <sup>7)</sup>
0,04 – 6/15/30 <sup>8)</sup>	3 x 3000 d	0,002/0,005/0,01	90	-	14	14	1 <sup>7)</sup>
0,04 – 6/15/31,5 <sup>8)</sup>	3 x 3000 d	0,002/0,005/0,01	90	-	11	11	1 <sup>7)</sup>
0,4 – 60	3000 d	0,02	150	40	-	40	1 <sup>7)</sup>
0,2 – 60	6000 d	0,01	150	40	-	40	1 <sup>7)</sup>
0,2 – 30 / 60	2 x 3000 d	0,01/0,02	150	40	-	40	1 <sup>7)</sup>
0,1 – 15 / 30 / 60 <sup>8)</sup>	3 x 3000 d	0,005/0,01/0,02	150	-	18	18	1 <sup>7)</sup>
0,4 – 120	6000 d	0,02	150	30	-	30	2
1 – 150	3000 d	0,05	150	-	-	-	-
0,4 – 60/150	2 x 3000 d	0,02/0,05	150	-	-	-	-
0,2 – 30/60/150 <sup>8)</sup>	3 x 3000 d	0,01/0,02/0,05	150	-	-	-	-

→ Platform dimensions: see drawing

→ Measured variable transmitter for connection to Bizerba system evaluator: 1 DMS (strain gauge) load cell

→ Stabilization time: appr. 2 – 3 secs.

→ Ambient temperature range: Operation: -10 °C – +40 °C  
Storage: -50 °C to +85 °C

→ Speed of temperature change: max. 5°C/h<sup>4)</sup>

→ Load cell type: BB 15<sup>5)</sup>

→ Protection rating to DIN/VDE 0470: IP 67; terminal box IP 65

→ Dead weight of the platform: appr. 15 kg

→ Optional equipment:

■ Bench for platform, dimensions as per drawing, dead weight appr. 15 kg. Load capacity with evenly distributed load including weighing platform appr. 220 kg

■ Roller conveyor: <sup>3)</sup>	Type 1 <sup>7)</sup>	Type 2
Dimensions:	as drawing	as drawing
Frame profile:	U 65 x 25 x 3	U 65 x 25 x 3
Frame material:	Aluminium anodized	Steel
Roller material:	Tubular PVC blue	galvanized Tubular steel
No. of rollers:	10	10
Roller bearings:	Ball bearings	Ball bearings
Axle dia.:	8 mm	10 mm
Roller outside dia.:	40 mm	40 mm
Wall thickness of rollers:	2,3 mm	1,5 mm
Max. roller conveyor load capacity:	120 kp <sup>6)</sup>	400 kp <sup>6)</sup>
Max. single roller load capacity:	12 kp	40 kp
Minimum length of conveyed product:	100 mm	100 mm
Dead weight:	ca. 5 kg	ca. 7 kg

Type approval from the PTB Braunschweig issued for accuracy class III electromechanical scales and system evaluators.

<sup>1)</sup> For use as non-automatic scales for accuracy class III to 90 / 384 EEC

<sup>2)</sup> With evenly distributed load, if applicable including preload

<sup>3)</sup> Standard version with dripping water protection

<sup>4)</sup> With adherence to calibration error limits

<sup>5)</sup> In conjunction with explosion-proof system evaluators also suitable for potentially explosive atmospheres to zones 2/22 and 1/21

<sup>6)</sup> With evenly distributed load over the entire roller conveyor, provided no higher than the weighing range-dependent maximum loading capacity of the platform as indicated in the above table.

<sup>7)</sup> For operation within potentially explosive atmospheres, type 2 is required.

<sup>8)</sup> Only possible in conjunction with Bizerba system evaluators



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\_balanced information