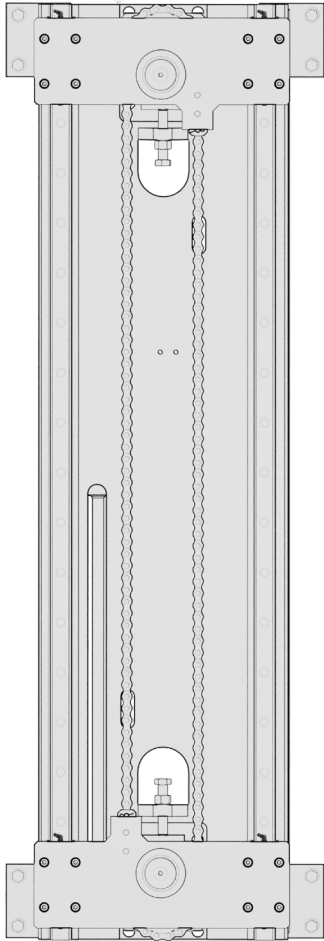


STANDARD LAYOUT



Drawing is for reference only

ADD-ON DETAILS

CENTERING MODULS

The centering system consists of three centering modules, each equipped with two rollers that are moved symmetrically towards the beam by a hydraulic cylinder and chain drive. This controlled pressure secures that the beam is perfectly centered before entering the main system.

INTELLIGENT SENSOR INTEGRATION

Each centering unit is equipped with a sensor that measures the beam's width and check for alignment accuracy in real time.

BEAM CENTERING STEPS

- 1. Beam is placed on the intake conveyor:** The beam is loaded onto the intake conveyor either manually or by the automated Zeman cross transfer system.
- 2. Beam detection sensors:** Sensors detect the presence of the beam and automatically trigger the centering sequence.
- 3. Mechanical centering of the beam:** Two rollers apply equal pressure from both sides, aligning the beam precisely in the center of the conveyor. The system measures the exact width of the beam to confirm correct positioning.
- 4. Release for further processing:** Once centering is successfully completed and verified, the beam is ready to be inserted for welding.

RETROFIT COMPATIBILITY

The Beam Centering system is designed as a modular add-on for the intake conveyor and can be easily retrofitted into existing Zeman systems. Please note: This system is not compatible with tapered (conical) beams.

PRODUCT SPECIFICATIONS

Product Name	Product Number	System Dimensions LxWxH in. (mm)
CENTERING - INTAKE CONVEYOR	ATZBV00035012	1500 x 510 x 305 mm

PART SPECIFICATIONS

Beam Size	(mm) / (kg)	(Inch) / (lbs)
Width:	80-1500 mm	[3.1" – 43.3"]

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