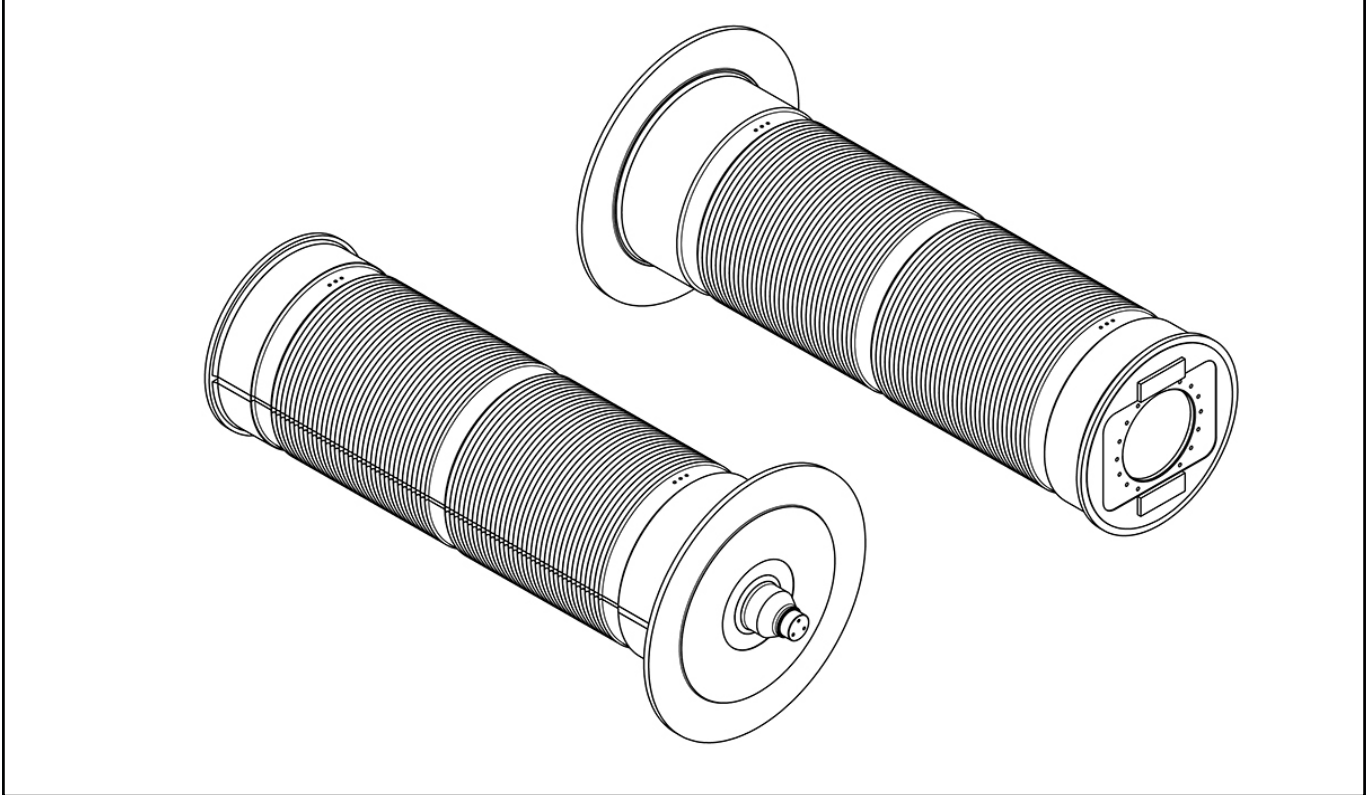


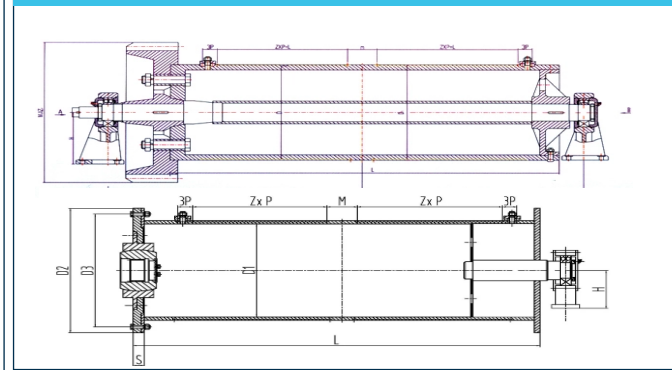


**DRAWING**

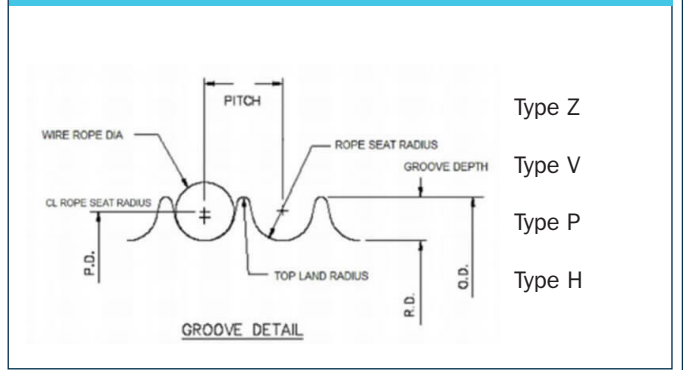


**STANDARDS AND FLEXIBILITY**

**DIFFERENT TYPES**



**DIFFERENT SIZES**

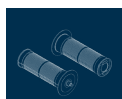


**GENERAL INFORMATION**

Wire rope drums are engineered and manufactured to meet the most challenging operational and safety constraints for industrial crane application. Our wire rope drums can be found on typically every type of crane in a number of industrial environments.

- Crane drum is the component to wind wire rope in the lifting mechanism.
- Crane drum consists of drum shaft, flange type annular gear, drum hub, bearings, bearing pedestal.
- When one end of drum is equipped with the switch of rotary type position limitation limiter, it must ensure to make drum shaft and rising limit switch rotate synchronously.

(\*) All dimensions are rounded off to serve as general guidelines only. Contact Gantrex for more details





### SELECTION PARAMETERS

- 1. Material: Q235, Q345(16Mn)
- 2. Heat treatment: hardening and tempering, high frequency quenching, carburizing quenching and so on.
- 3. Groove surface quench: HRC45-55
- 4. Groove surface quench depth: ≥2mm
- 5. Max processing diameter: 2000mm
- 6. Inspection: all items are checked and tested thoroughly during every working procedure and after the product is finally manufactured to ensure that best quality product goes out in the market.

### INSTALLATION AND SUGGESTED WELD INSTRUCTIONS

Every step of the installation is subjected to high standards process charts edited by Gantrex.

To equip your crane with Gantrex Crane Wheels takes around 1 week, depending on crane condition. To be noted, Gantrex can also assist crane manufacturer for an optimal installation. Contact our teams for more details.

<b>1</b>	Prepare working area	Prepare a secured working area & the scaffolding (for trolley tracks), lift up all necessary materials and store them in a safe manner.
<b>2</b>	Check supporting structure	In case of presence of any level discrepancies in the track, correct them. According to ISO 12488-1-2012 class 1
<b>3</b>	Install the wear plates (& pads)	Tack weld the wear plates into position in four locations so as to prevent them moving during installation. Install the Gantrex RailLok™ Pads
<b>4</b>	Position Gantrex Full Web Short Rail	Place Gantrex Full Web Short Rail in accordance with the installation arrangement drawing and check span measurements;
<b>5</b>	Install clips and clamps bases	Mark up the beam for clips and clamps bases welding in accordance with the installation arrangement drawing, tack weld them into position, and finish the welds according to clip and clamp technical datasheets.
<b>6</b>	Weld the Gantrex Full Web Short Rail	Prepare all the necessary equipment and material, align the Gantrex Full Web Short Rails with the OEM rail and weld of the joint
<b>7</b>	Install clips and clamps and shear blocks	Check span, alignment and straightness measurements that they conform to the installation arrangement drawing and ISO 12488-1-2012 class 1, fit all remaining clip cap assemblies, torque clips and clamps according to their TDS and finish by welding the shear blocks.
<b>8</b>	Repeat operations	Repeat steps 3 to 7 four times to complete the installation
<b>9</b>	Verify step at hinge	With handheld grinder ensure that the short rail transition is flush through the hinge joint area with no greater misalignment than 0.5mm on the sides of the head.
<b>10</b>	Clean the working area	

*We reserve the right to discontinue or change specifications or design at any time without prior notice and without incurring any obligation whatsoever.*

