

PURPOSE
 This bulletin provides information on the steel wire ropes that are used with Power Climber and Power Climber Wind products. More specifically, this bulletin addresses the different steel wire rope types and diameters that are accepted and certified for use in combination with the Power Climber Titan & PC3 hoists.

<p>COMPLIANCE CATEGORY</p> <p><input checked="" type="checkbox"/> Safety Failure to comply with this product update could result in personal injury. Compliance is mandated within a specific operating time.</p> <p><input type="checkbox"/> Compliance Required Identifies the need for action to correct a condition that, if left uncorrected, may result in reduced equipment reliability or efficiency. Compliance may be required within a specific operating time.</p> <p><input type="checkbox"/> Optional Identifies changes that may be beneficial to some, but not necessarily all. Accomplishment at customers discretion.</p> <p><input checked="" type="checkbox"/> Notification Customer communication, no action required.</p>	<p>PRIORITY CODE</p> <p><input type="checkbox"/> 1 Prior to unit startup or prior to continued operation (Immediate Action Required)</p> <p><input type="checkbox"/> 2 At first opportunity (Prior to Next Scheduled Maintenance Interval)</p> <p><input type="checkbox"/> 3 Next Scheduled Maintenance Interval</p> <p><input checked="" type="checkbox"/> 4 Optional / Notification</p>
--	--

PRODUCT MODELS AFFECTED

<input type="checkbox"/> PC1	<input type="checkbox"/> PC3	<input type="checkbox"/> Astro	<input type="checkbox"/> Work Cages	<input type="checkbox"/> Platforms	<input type="checkbox"/> Other:
<input type="checkbox"/> Hoist Accessories	<input type="checkbox"/> Platform Accessories	<input checked="" type="checkbox"/> Rigging Accessories		<input type="checkbox"/> Safety Accessories	

COMPONENT SYSTEM

<input type="checkbox"/> Electrical	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Safety	<input checked="" type="checkbox"/> Other: Wire Rope
-------------------------------------	-------------------------------------	---------------------------------	--

Information

The Power Climber Titan & PC3 hoist have been designed to be used for steel wire ropes with a nominal diameter of 7,9 to 8,4 mm. During the CE type certification of the Titan hoist, a steel wire rope with a specific diameter of 8,4 mm was used.

In recent times more steel wire rope types have been accepted by Power Climber for use with the Titan hoist. All of these steel wire ropes have a nominal diameter of 8mm but may have slightly variance in specific diameters. As such, Power Climber now supplies steel wire ropes with a specific nominal diameter of 5/16 inch (8,0 mm), 8,2 mm and 8,4 mm. There may be additional specific diameters in the future.

All of the steel wire ropes that are supplied by Power Climber have found to be in compliance with internal as well as normative requirements. The required breaking force, construction, material, corrosion protection and durability are tested according to EN 1808:2015

The variation of specific diameter is recent. This means that some of our manuals reflect not only the nominal diameter of 8 mm, they specifically mention a diameter of 8,4 mm. The same is valid for the naming of the steel wire ropes. In some documentation “greenflex” is specifically mentioned. Just like the specific diameter, sometimes other names of steel wire rope are used now.

The release of this bulletin is to inform all Power Climber customers that all steel wire ropes that are currently supplied by Power Climber BVBA are fully compatible with the Power Climber Titan & PC3 hoists. The steel wire ropes satisfy all requirements and are completely interchangeable.

Below is a table which states the range of the properties of all Power Climber approved steel wire ropes. Be informed that this list of accepted steel wire ropes may be updated in the future.

8 mm steel wire rope for suspension and safety	
Diameter	8 - 8,4 mm
Construction	5 x 26
Structure	Preformed or preformed and compacted
Core	HDPP
Tolerance	+ 0,2 / - 0 mm
Minimum breaking load (actual)	51,5 - 56,35 kN
Weight	0,253 - 0,266 kg/m
Material	Steel
Surface treatment	Galvanized
Rejection diameter	Reduction greater than 10% to original diameter
Inspection criteria	Refer to Power Climber Service Instruction 1207