

# Features, Advantages and Benefits of EMH Endtrucks

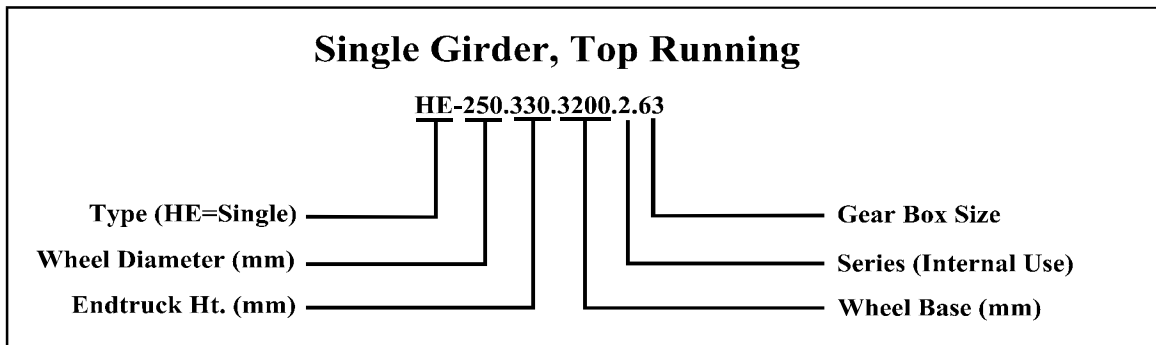
Feature	Advantage	Benefits
<p><b>Drive Motors</b></p> 	<p>Single speed squirrel cage design</p> <p>Variable Frequency Drive (inverter) controls</p> <p>Direct drive system</p> <p>Class F insulation</p> <p>Large surface cooling fins for excellent heat dissipation</p>	<ul style="list-style-type: none"> <li>* <b>Reliable, economical</b></li> <li>* <b>Infinitely variable speed</b></li> <li>* <b>No open gears, pinions or couplings to lubricate</b></li> <li>* <b>Extended motor life</b></li> </ul>
<p><b>Drive Wheels</b></p> 	<p>Spheroidal castings of forged steel impregnated with graphite. This means that as they roll, they also lubricate, protecting both the runway rails and the wheels from wear.</p> <p>Splined shaft directly engages the output shaft of the reducer.</p>	<ul style="list-style-type: none"> <li>* <b>Years of trouble free service</b></li> <li>* <b>Long life and high overload capacity</b></li> <li>* <b>Smooth and quiet operating characteristics with the high dampening effect of cast wheels</b></li> </ul>
<p><b>Drive Wheel Assembly with Power Lock</b></p> 	<p>Our wheel assembly is like no other in the industry. Simple, yet rugged, it allows quick and easy wheel removal without special tools.</p> <p>Tapered power lock system eliminates the need for press fit and keyway on the axle.</p>	<ul style="list-style-type: none"> <li>* <b>Easier maintenance and repair</b></li> <li>* <b>Lower maintenance costs</b></li> </ul>
<p><b>Endtruck/Girder Connection</b></p> 	<p>Attaches the end of the girder to a side mounting plate on the endtruck.</p> <p>Friction type connection</p> <p>Utilizes high quality mounting bolts torqued to 410 ft-lbs.</p> <p>Simplified installation process</p>	<ul style="list-style-type: none"> <li>* <b>Excellent stability in horizontal and vertical planes</b></li> <li>* <b>Smooth crane movement, without binding or skewing</b></li> <li>* <b>Better crane alignment, leading to less wear and tear on wheels and runway</b></li> <li>* <b>Less chance of installation error</b></li> </ul>

# Features, Advantages and Benefits of EMH Endtrucks

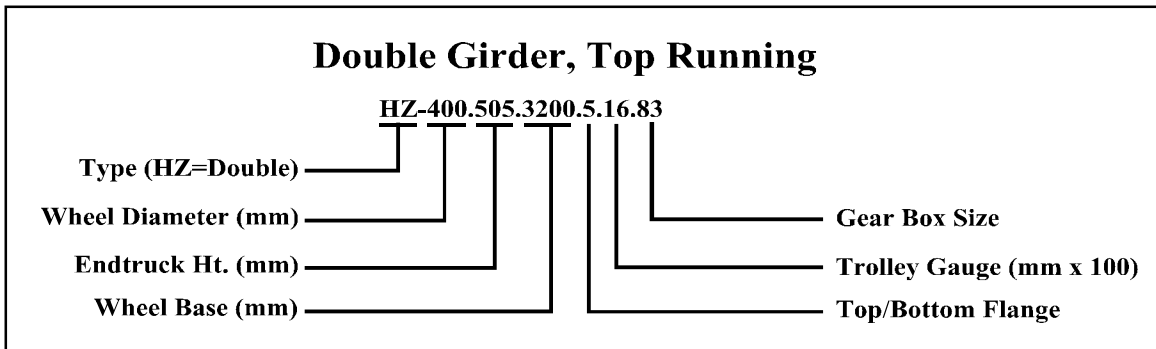
Feature	Advantage	Benefits
<p><b>Bridge Brake</b></p> 	<p>DC rectified, magnet-actuated disc brake is automatically applied in the event of power failure.</p> <p>Brake is self-adjusting.</p>	<ul style="list-style-type: none"> <li>* <b>Increases operator safety, prevents damage to loads.</b></li> <li>* <b>Virtually no maintenance needed.</b></li> </ul>
<p><b>Quick Disconnect Plugs</b></p> 	<p>Pre-tested multi-pin plug and socket connections are used.</p> <p>Asymmetrical design means plugs can only be connected one way.</p> <p>Connections are finger safe.</p> <p>The quick disconnects are of the highest quality, sealed from dust and moisture and vibration proof.</p>	<ul style="list-style-type: none"> <li>* <b>Save time</b></li> <li>* <b>Pole reversal impossible.</b></li> <li>* <b>Increased safety for installers and maintenance personnel.</b></li> <li>* <b>No electrician needed to disconnect components</b></li> </ul>
<p><b>Bridge Controls</b></p> 	<p>Inherent "soft" start minimizes mechanical shock loading and wear of the drive components.</p> <p>Elimination of high starting currents reduces electrical operation costs and motor temperatures.</p> <p>Smooth, precise motion control.</p> <p>Electronic dynamic braking</p> <p>No motor direction contactors</p> <p>Ability to "reverse plug" and "jog" without damaging motors and drives.</p>	<ul style="list-style-type: none"> <li>* <b>Trouble free service</b></li> <li>* <b>Longevity</b></li> <li>* <b>High productivity</b></li> <li>* <b>Reduced damage to loads</b></li> <li>* <b>Almost no brake wear and/or maintenance</b></li> <li>* <b>Reduces the number of breakdowns due to operator error</b></li> </ul>
<p><b>Bumpers</b></p> 	<p>Polyamid bumpers at both ends absorb energy.</p>	<ul style="list-style-type: none"> <li>* <b>Prevent damage to crane</b></li> <li>* <b>Meet OSHA safety requirements</b></li> </ul>

# Explanation of EMH Endtruck Model Numbers

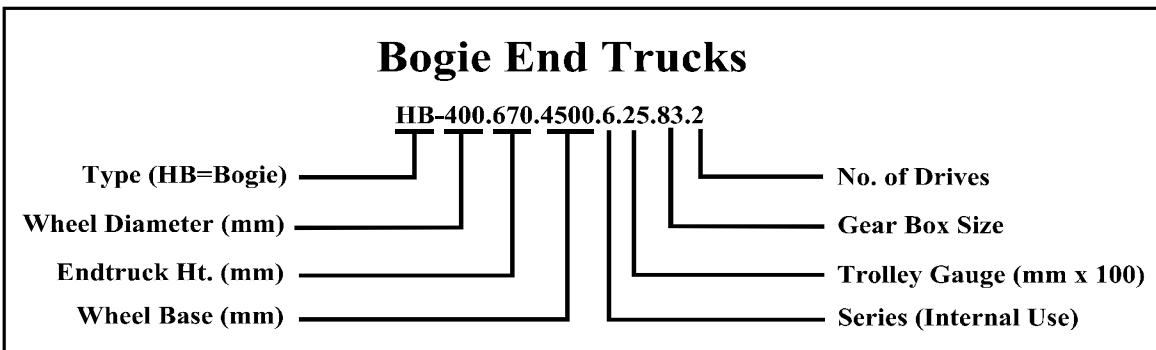
## Single Girder, Top Running



## Double Girder, Top Running



## Bogie End Trucks



## Under Running End Trucks

