ENGINEERED SOLUTIONS CORPORATION

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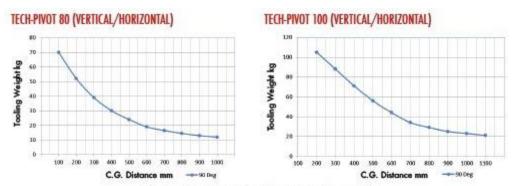
General Motors, LLC Lockout Device Certification

Manufacturer: **Tech Rim Standards, LLC** ESCo Project No.: 0201.083

Lockout Device: Tech Pivot TR80/TR100

Rated Capacity: 4300 N (1000 lbs) single shear

Moment:



Safe operating zone operating indicated below the curved line.

Acceptance Criteria: 3 against material yield strength

5 against material ultimate strength

Material Specifications:

Pin material AISI 4140 Tooling plates ASTM A-36

Disclaimer: This certification is based on the use of the product as intended and

in accordance with the manufacturer's specification. The weights

and CG distances must fall below the above curves. Any

application not complying with those provisions is not deemed

certified.

Certification:

Steven K Smith, P.E.

Engineered Solutions Corporation

August 27, 2013

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