

It is essential that the adapters match the recommended guidelines. This will ensure the system can withstand the rated loads and provide the most accurate results. The critical features are shown in blue. Customers may change all other geometry. Examples of permitted changes are shown on the second sheet.

The "HUB THICKNESS" should not be less than 0.400 in (10.160 mm).

Detail D shows geometry that reduces the material stresses to increase the adapter fatigue life.

Michigan Scientific Corporation (MSC) machines hub adapters from 17-4 H1100 stainless steel. This material provides good insulation from brake heat. Alloy steels can be used but they will conduct brake heat more than the stainless steel. The material should have a yield strength of at least 890 MPa (130 ksi) and a hardness between 32 and 45 HRC.

MSC verifies all rim and hub adapter assemblies using FEA to simulate the SAE J328 wheel durability standard. This should be done with all adapter systems to verify the load ratings and fatigue life of the adapters. The LW65 has an SAE J328 static load rating of 2,900 lb (1,320 kg.) The LW60 is rated to 2,700 lb (1,225 kg.) This should never be exceeded.

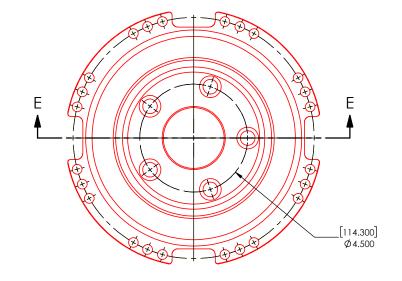
MSC can check your adapter designs at no cost. Contact MSC online at michsci.com/contact-us or via phone at 1-231-547-5511.

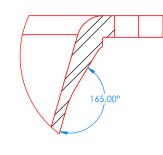
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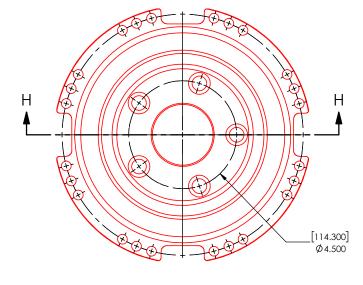
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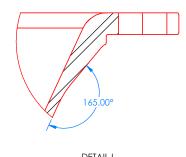
LW60 & LW65 Hub Adapter Design Guide

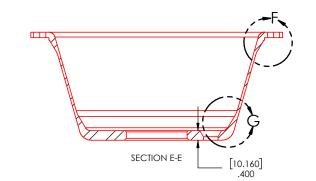
Note: Blue dimension are CRITICAL and CANNOT change. Black dimensions can change.

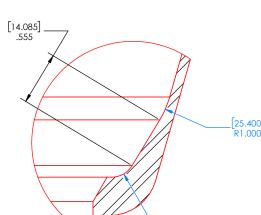


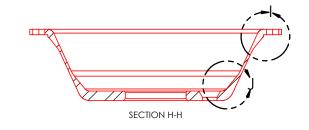


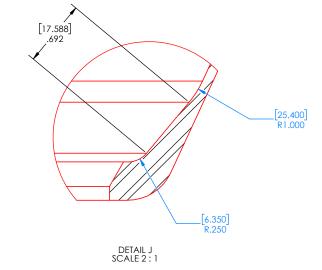


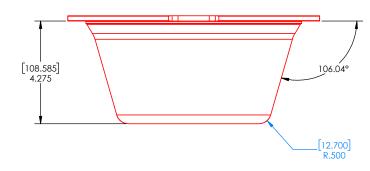


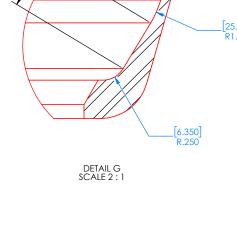


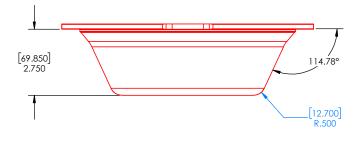












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