

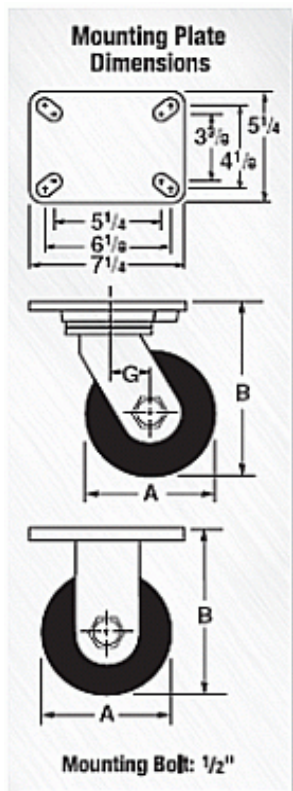
Lean Log

May 7, 2009

We are Hamilton...We make the best, Ship the Fastest, Driving our Future

Measuring Offsets

A key dimension on any swivel caster is the offset. On the diagram below, the “G” dimension on the swivel caster side view is the offset. (“B” is overall height, and “A” is wheel diameter, commonly used to designate the caster size; eg. S-HS-8.)

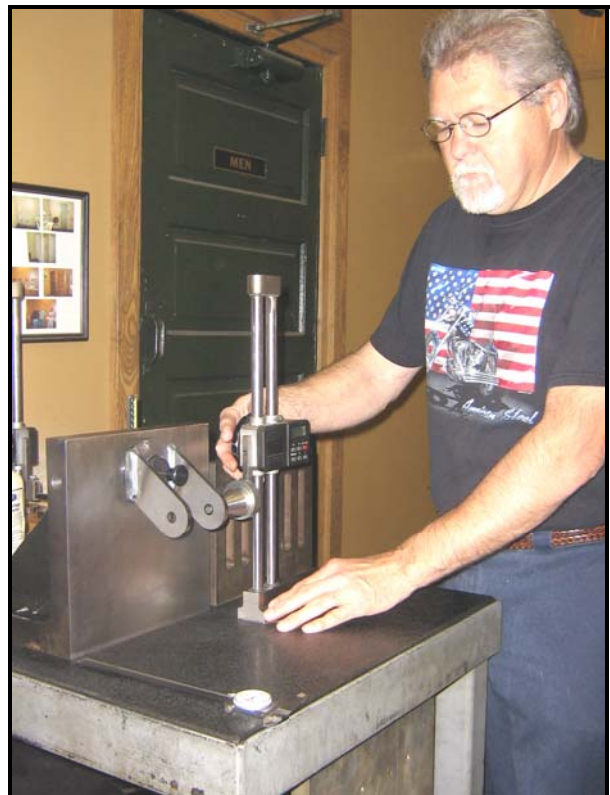


Until now, we have not had an easy way to measure and check this dimension on our standard parts. For most customers, a tight tolerance is not too important. When requested, we can provide a close tolerance offset. Now we can easily check and record the offset on all our cell swivel rigs.

Keith Adams and **Pat McCartney** are largely responsible for the design and fabrication of our new measuring fixture.



First, the swivel horn is secured to the vertical plate. Next, the legs are “squared” to the surface plate so they are vertical. Finally, the height gage is used to measure the vertical distance between the centerline of the mounted horn and the legs, which is the offset dimension.



Van Fields uses the new fixture and height gage to perform a “first piece check” on a swivel horn.