

TECHNOLOGY BULLETIN

Stepped vs. Standard Pilot for Steer Brake Drums

Purpose:

The purpose of this bulletin is to explain the difference between stepped and standard piloted brake drums. This only applies to steer brake drums.

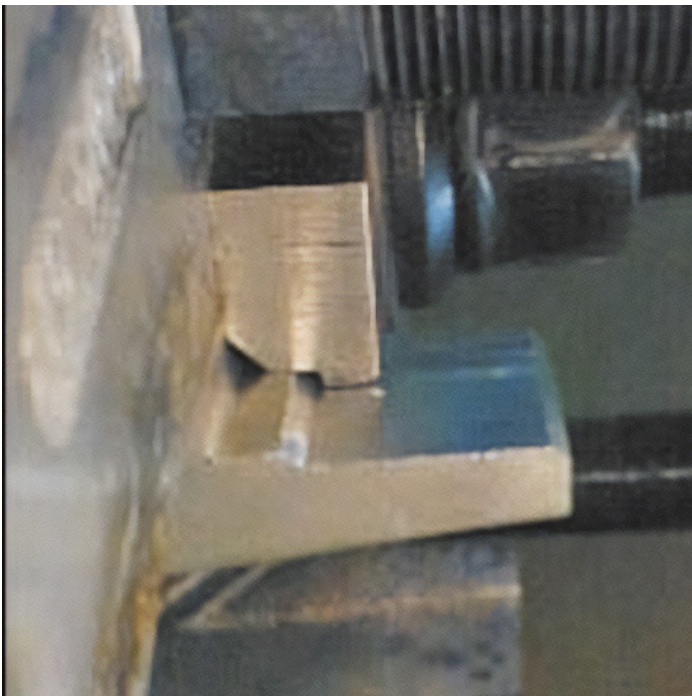
Most of ConMet's steer brake drums are machined with a stepped pilot.

Stepped Pilot Functionality:

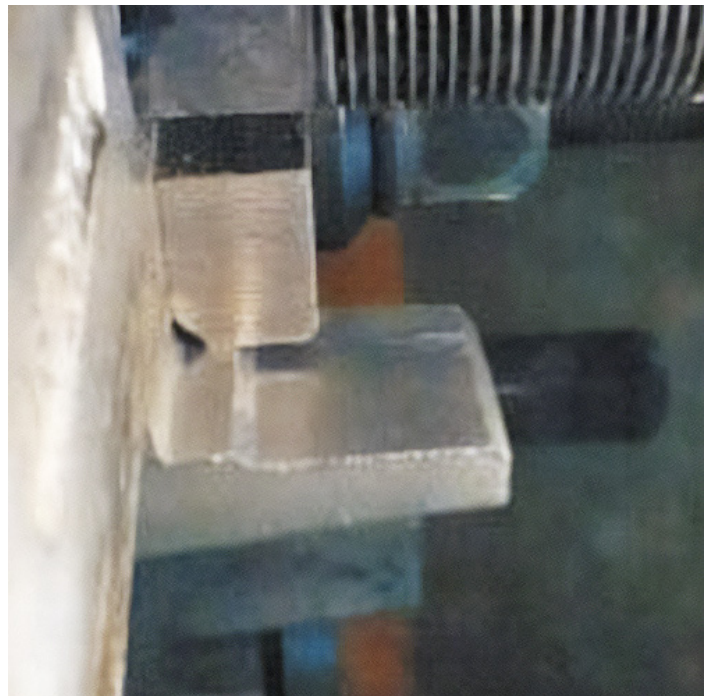
The stepped pilot is found on brake drums with drum pilots of 8.78" and 9.00". The stepped pilot for drum pilots 8.78" and 9.00" measures about 8.67", and 8.71", respectively. The stepped pilot is an intentional design feature. The smaller step is used to guide the drum along the wheel pilot as it is installed. This helps eliminate mis-mounts which are the most common cause of drum cracking.

Stepped VS. Standard Pilot:

The stepped pilot appears smaller on the outside of the drum. This allows the user to guide the drum on the wheel pilot. The larger diameter step should match the drum pilot on the hub which is shown on the left. A standard pilot drum only interfaces with the drum pilot, shown on the right



STEPPED PILOT



STANDARD PILOT

The information in this bulletin is intended as a reference source only. ConMet does not assume any liability in the event of improper use or mis-match of components.

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