



Parameters

- Below is a list of the varying widths for Housings and Steel Gears from new to the maximum width of efficient used ones. If the Max width is exceeded the product should be replaced.



Housing Measurement Location.



Steel Gear Measurement Location.

Housings

* The widths below are measured inside each gear pocket from the widest point on each side of the housing. If the widths of the housings are over the **Maximum Used Width** the housing is wore out.

<u>Pump</u>	<u>New</u>	<u>Max. Used Width</u>
*2100, 2" inlet/outlet or 4" Steel geared pump	5.864"	5.920"
*4000, 4" inlet/outlet or 6" Steel geared pump	5.864"	5.920"
*4100, 4.5" inlet/outlet or 7.25" Steel geared pump	5.864"	5.920"
*90 Degree, 4" inlet/outlet or 7.5" Steel geared pump	5.144"	5.200"

Steel Gears

* The numbers given are a guideline only. It's important to note that the tighter the clearance is between the housing and gears the more efficient the pump will be. Therefore in our experience we've used these guidelines to help keep the pumps efficient but also allow our customers to run their pumps in the most cost efficient manner possible.

<u>Gear Size</u>	<u>New</u>	<u>Max. Used Width</u>
* 4"	5.850"	5.750"
* 6"	5.850"	5.750"
* 7.25"	5.850"	5.750"
* 7.5"	5.125"	5.020"

*It's also important to note that the pumps suction comes from the gear to wearplate clearance. If suction is your problem, a shim in the back of the pump should do the trick. We recommend that if you are taking the back end off you replace seals and bearings if necessary, and applicable. You should also have gaskets on hand as they don't always separate and usually need replaced.