

GCA 6300 Chucks

<u>Wafer Size</u>	<u>Substrate Thickness</u>	<u>Chuck Thickness</u>	<u>Target</u>
¼ 2" (and smaller)	~717um(+/-100)	5.404mm	6.121mm
¼ 2" (and smaller)	~317um(+/-100)	+pink shim(0.40mm)=5.804mm	6.121mm
¼ 2" (and smaller)	~487um(+/-100)	+ metal shim(0.23mm)=5.634mm	6.121mm
2" (and smaller)	~596um(+/-100)	5.525mm	6.121mm
3" (and smaller)	~685um(+/-100)	5.436mm	6.121mm
4" (and smaller)	~520um(+/-100)	5.601mm	6.121mm
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Target thickness ~6.121 mm +/- .1 mm (it might be off 6.071-6.101)

Meaning: Thickness(Chuck + Wafer) ~6.121 mm (do not try push the limits)

Limits for reading on voltmeter (+/-10V), ideal~0V

Do Not Over Tighten Screws!

Please be careful tightening the screws when you use the shims with the stepper chucks. It is easy to over tighten the screws and strip out the chucks. Also, if you notice a screw head is being stripped please discard the screw and use a new one.