

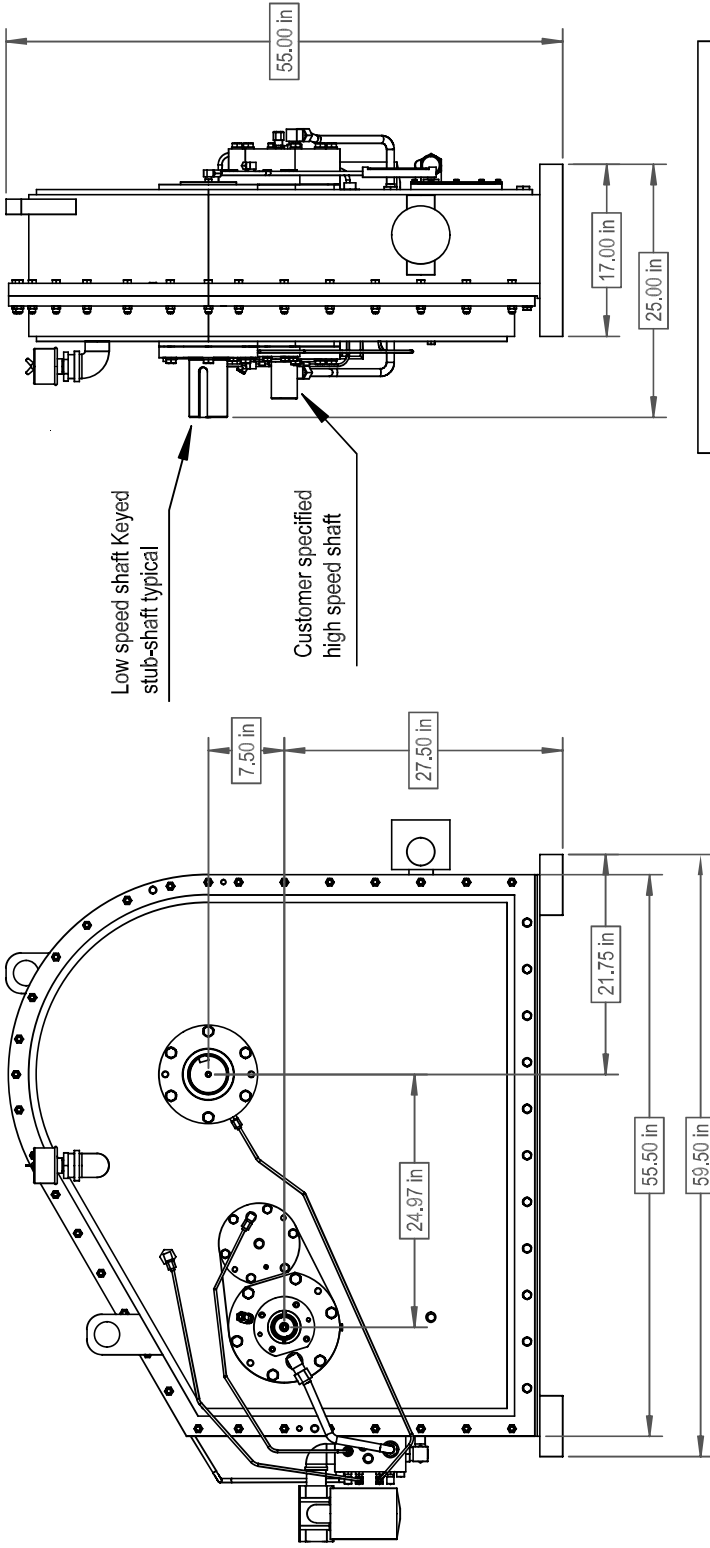
### Product Description:

Model SN2264 is a foot mounted, two stage increasing, single output, high speed gearbox for use with companion gearbox SN2265 to comprise a 4-square test system. This gearbox completes the torque loop and also provides a speed increase to the test article. The high-speed shaft is offset vertically from the input to accommodate a similar offset in the test article. Journal bearings are used on the high speed shaft.

<b>POWER:</b>	7500 lb-ft max torque at low speed shaft 200 HP max
<b>OUTPUT SPEED:</b>	22,000 RPM at high speed shaft
<b>RATIOS:</b>	15.89 overspeed. Contact Cotta for other available ratios
<b>MAX ACCEL / DECEL RATE:</b>	2000 RPM / sec at output
<b>INPUT CONFIGURATION:</b>	Keyed stub shaft is standard. Contact Cotta for optional inputs.
<b>OUTPUT CONFIGURATION:</b>	Customer specified shaft is typical. Various other shafting and mounting pads available.
<b>ROTATION:</b>	Low speed shaft can be driven ccw or cw. High speed shaft rotates in the same direction.
<b>LUBRICATION:</b>	Positive delivery. Pump, heat exchanger, and necessary temp and pressure controls are furnished.
<b>OPTIONS:</b>	Accelerometers, speed pickup, and other application specific items can be accommodated or supplied.
<b>APPROXIMATE WEIGHT:</b>	2000 lbs.
<b>STANDARD FINISH:</b>	2-part polyurethane enamel



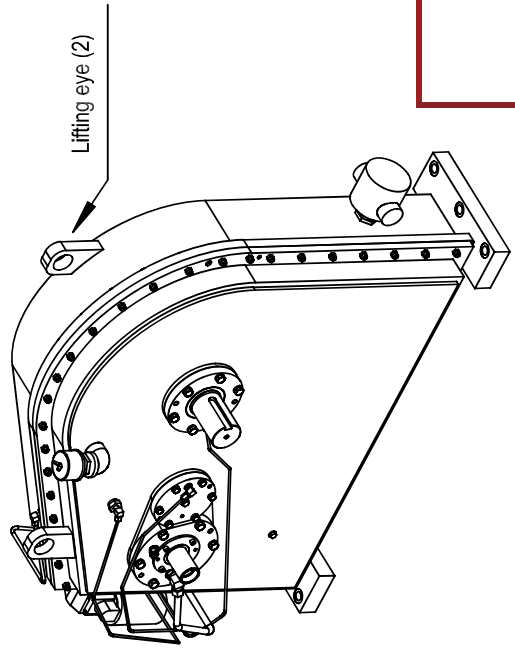
This drawing shows general arrangement and approximate space claim. Do not design or lay out using this drawing. Use only certified drawings provided by Cotta Engineering.



Low speed shaft Keyed stub-shaft typical

Customer specified high speed shaft

Note: this gearbox is designed for use with SN2265 headstock gearbox.



# SN2264 DRW.