



## MODEL SN1804 HIGH SPEED GEARBOX

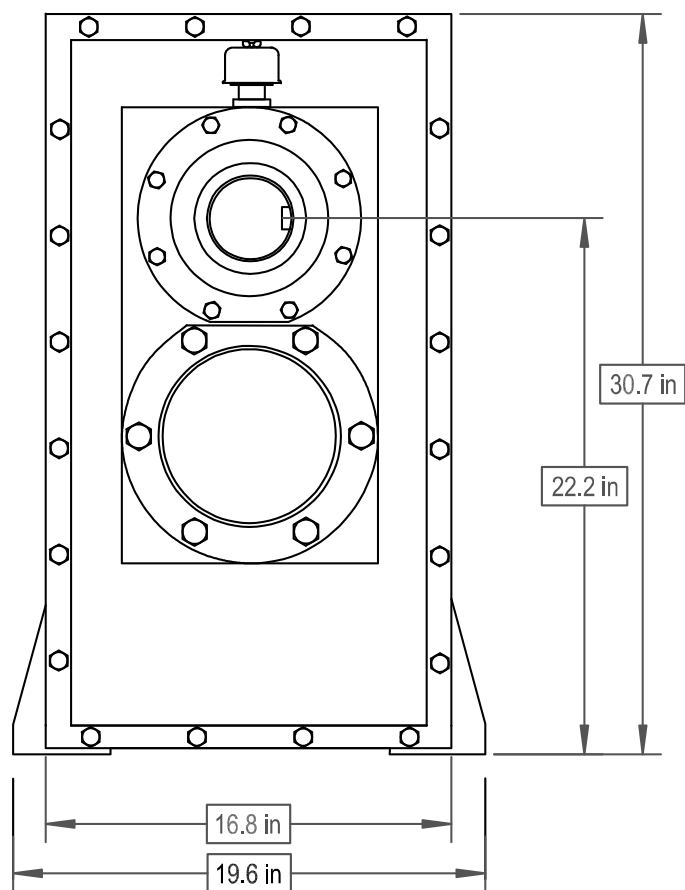
### Product Description:

Model SN1804 is a foot mounted, two stage increasing, high-speed gear box designed for test stand use or turbine reduction. There is a stub input shaft and a flanged output shaft that are in-line (concentric).

<b>POWER:</b>	5,700 nominal
<b>OUTPUT SPEED:</b>	5700 HP @ 9000 RPM
<b>RATIOS:</b>	1.0 to 3.75 speed increaser
<b>MAX ACCEL / DECEL RATE:</b>	2000 rpm/sec at output. For higher rates contact Cotta.
<b>INPUT CONFIGURATION:</b>	Stub shaft is standard. Contact Cotta for optional inputs.
<b>OUTPUT CONFIGURATION:</b>	Stub shaft or customer designed flange
<b>ROTATION:</b>	Input can be driven ccw or cw. Output rotates in the same direction as input.
<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

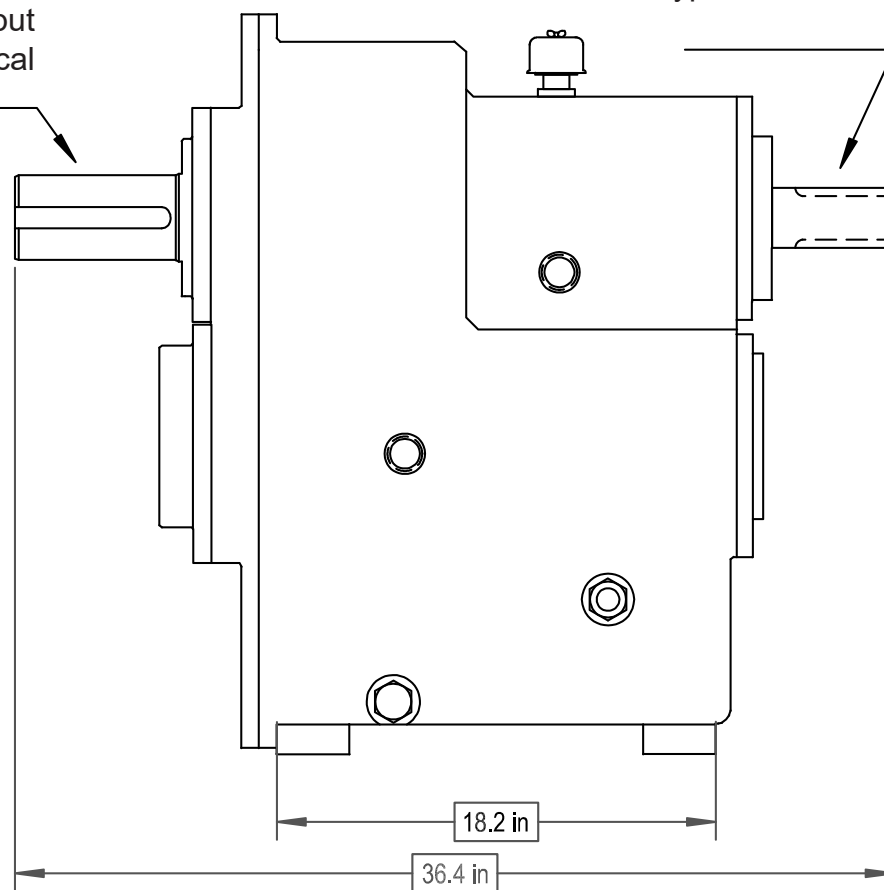


This drawing shows general arrangement and approximate space claim. Do not design, scale, or lay out using this drawing. Use only certified drawings provided by Cotta Engineering.



Keyed input  
shaft typical

Double Key output  
shaft typical



SN1804 DRW.