



# MODEL GR15E

## SPEED REDUCER

### Product Description

Model GR15E is a single-stage reduction gear designed for direct mount to an industrial engine by means of an SAE flange and driven in standard engine rotation (CW facing input shaft). This unit incorporates an idler shaft to provide output rotation same as input. Tabulated below are nominal power and speed capacity together with standard options. Contact Cotta to discuss other options or specialized requirements.

<b>OUTPUT ROTATION:</b>	Same as input
<b>MAX INPUT TORQUE:</b>	1450 lb-ft.
<b>MAX INPUT SPEED:</b>	2300 rpm or as otherwise limited by input coupling or clutch
<b>RATIO RANGE:</b>	1.28 to 2.43
<b>OUTPUT SHAFT SIZE:</b>	4" dia., 9" long, 1" X 1/2" keyway
<b>OUTPUT SHAFT LOCATION:</b>	6" o'clock std., 12, 3, and 9 o'clock by special design
<b>SAE HOUSINGS:</b>	#00, #0, #1/2, #1
<b>*FLYWHEEL COUPLINGS:</b>	Clutches, couplings, and drive plates up to SAE 24".
<b>REAR SUPPORT:</b>	Integral foot mounts provided.
<b>LUBRICATION:</b>	Integral lube pump supplied.
<b>COOLING:</b>	Oil/water shell-and-tube cooler furnished if required. Various options.
<b>**SIDE LOAD CAPABLE:</b>	Yes. Contact Cotta for specs and limits.
<b>***APPROXIMATE WEIGHT:</b>	1330 lbs.

\* Flywheel coupling selection requires Cotta technical review and approval.

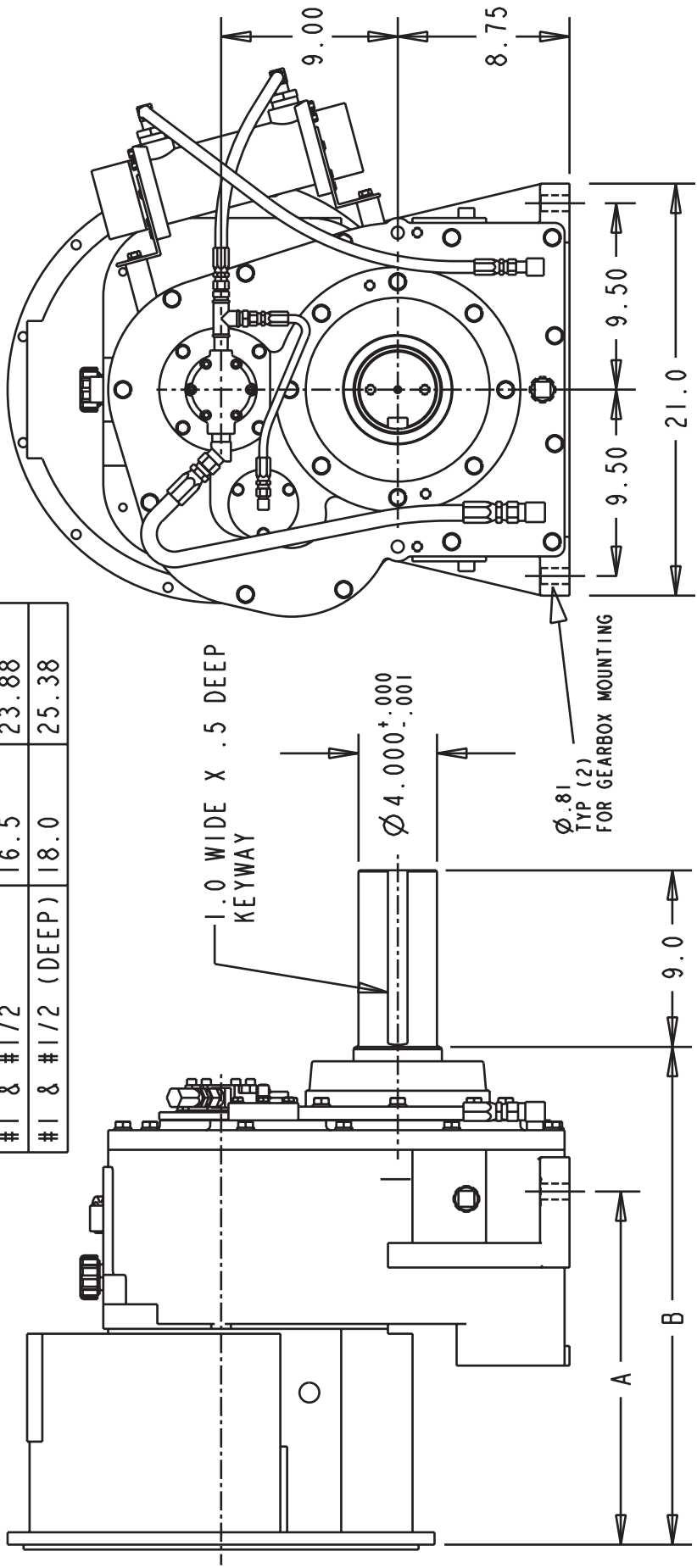
\*\* Some speed reducers output shafts are suitable for chain or belt side pull drives while others are not. Provide complete application details to Cotta for recommendations and approval.

\*\*\* Weight listed is an average. Actual weight can vary substantially with options such as SAE housing size and flywheel coupling choices.



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.

BELLHSG SAE #	A	B
#0 & #00	19.25	26.63
#0 (DEEP)	21.5	28.88
#1 & #1/2	16.5	23.88
#1 & #1/2 (DEEP)	18.0	25.38



# GR15E DRAWING