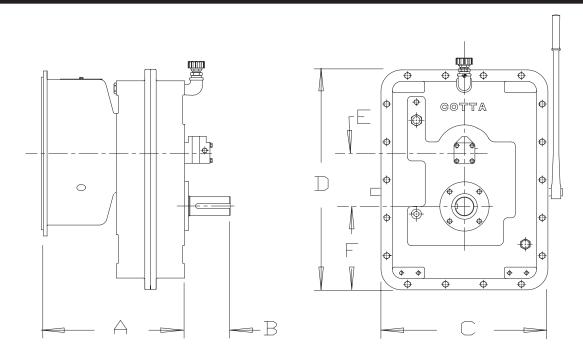


# SPEED REDUCERS



Model	Torque Capacity (lb. ft.)	Ratio Range	SAE Hsg. Size	Approx Weight (lbs.)	Output Shaft Dia.	Key Size	А	В	С	D	E	F
AR2053E	300	1to 4	② 3 4	415	2.25	5/8	14.62	5.67	16.12	21.75	5.5	9.12
AR2053A	500	1to 3.54	② 3 4	400	2.25	5/8	14.62	5.67	16.12	21.85	5.5	9.12
SR2E	600	1to 3.82	① 2 3	800	3.00	3/4	18.5	6.2	22.0	29.0	7.0	11.0
SR2A	800	1to 4	① 2 3	775	3.00	3/4	18.5	6.2	22.0	29.0	7.0	11.0
SR700E	650	1.43 to 1.95	1	560	3.00	3/4	21.18	5.5	14.0	18.0	6.25	6.5
SR700A	650	1.5 to 2	1	510	3.00	3/4	21.18	5.5	14.0	18.0	6.25	6.5
SR3E	950	1.9 to 3.89	① 1 2	975	3.00	7/8	24.0	6.4	25.0	33.0	8.00	12.5
SR3A	1400	1.02 to 3.89	① 1 2	940	3.00	7/8	24.0	6.4	25.0	33.0	8.00	12.5
GR15E	1450	1.28 to 2.43	00 0 1/2 1	1230	4.00	1	25.38	5.5	21.0	23.5	9.00	8.75
GR15A	1450	1.08 to 2.46	00 0 1/2 ①	1180	4.00	1	25.38	5.5	21.0	23.5	9.00	8.75
GR16E	1650	1.5 to 3	00 ① 1/2 1	1530	4.00	1	28.25	9.0	25.0	25.75	10.25	9.75
GR16A	1650	1.5 to 3	00 ① 1/2 1	1380	4.00	1	28.25	9.0	25.0	25.75	10.25	9.75
GR1600E	2600	1.28 to 2.5	00 0 1/2	1700	4.00	1	32.75	9.0	25.0	25.75	10.25	9.75
GR1600A	3000	1.35 to 3.07	00 0 1/2	1600	4.00	1	32.75	9.0	25.0	25.75	10.25	9.75
GR3200E	4500	1.2 to 3.13	00 0	2000	4.75	1-1/4	28.15	7.0	41.0	37.3	11.754	15.75
GR3200A	5500	1.19 to 2.89	00 0	1800	4.75	1-1/4	29.15	7.0	31.0	38.0	11.754	15.75

- All dimensions are in inches.
- Circled bell housings are standard. Chart dimension "A" is based upon this standard. Consult individual spec sheets for optional bell housing dimensions.
  Standard output shaft location for speed reducers is 6 o'clock to the input (as shown).
- Cotta speed reducers are designed to be driven clockwise facing the input shaft.
- Refer to individual specification sheets for speed limitations.
- All speed reducers require rear supports. Location of support holes vary. See spec sheet for specific dimensions.



# MODEL GR3200A REDUCTION GEAR

Model GR3200A is a heavy duty reduction gear having anti-engine rotation that includes a clutch and mounts to an engine for a compact package with proper alignment. The gears are helical and carburized for ultimate strength and endurance. Gears are designed per AGMA specifications and are precision ground. The bearings are taper roller and the case is cast iron. A wide variety of ratios are available.

CAPACITY (nominal input torque): 5500 lb. ft.

MAXIMUM INPUT SPEED: 2200 RPM

**RATIOS:** 1.19, 1.50, 1.80, 1.92, 2.04, 2.18, 2.50, 2.89

BELL HOUSINGS: SAE #0, #00

**CLUTCHES:** SP318, IBF318, SP321, IBF321

21" rubber block drives and flywheel couplings

**OUTPUT SHAFT:** 4.750" diameter with 1.25 x .4375 keyway

**REAR SUPPORT:** Rear mounting support feet

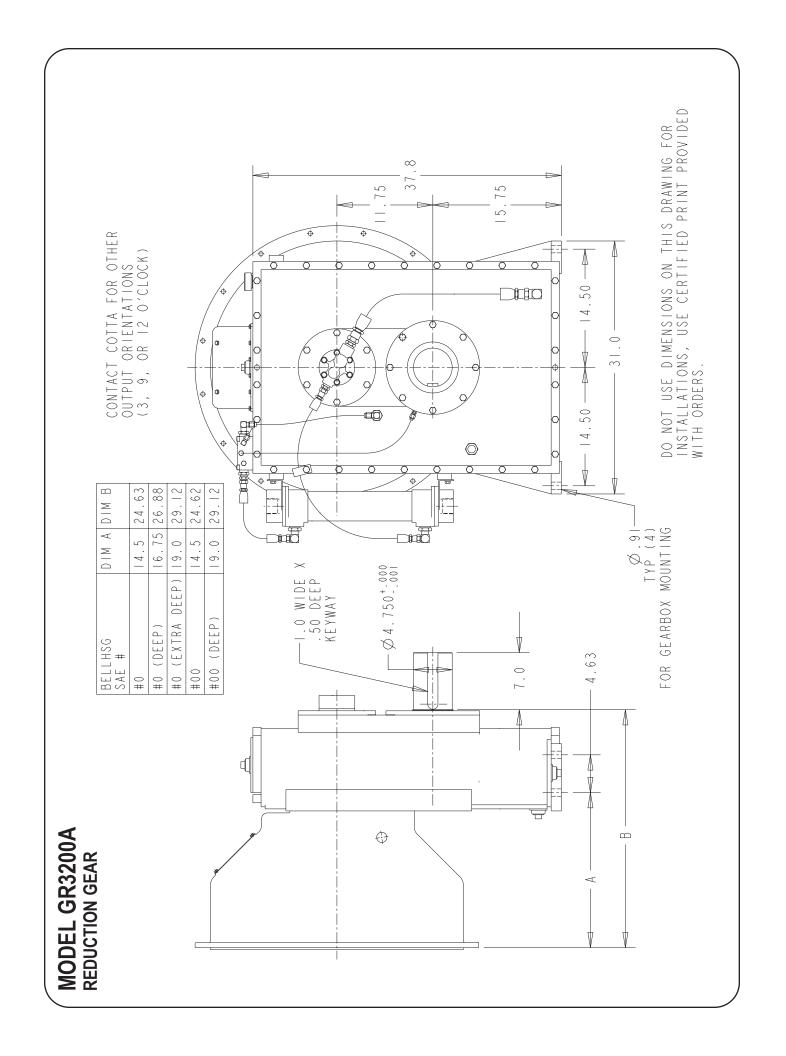
**LUBRICATION:** Lube pump is furnished

COOLING: A heat exchanger is furnished

WEIGHT: 1800 lbs

Note—For ratios 3.05, 3.29 and 3.56 see Model GR3210A

07/31/03





# MODEL GR975-200 REDUCTION GEAR

Model GR975-200 is a heavy duty reduction gear having engine rotation, includes a clutch and bell housing and mounts to an engine for a compact package with proper alignment. There is a double train of gears that are helical, carburized and precision ground for ultimate strength and endurance. Gears are designed per AGMA specifications. The bearings are anti-friction and the case is cast iron. A wide variety of ratios are available.

CAPACITY (nominal): 2400 lb. ft.

MAXIMUM INPUT SPEED: 2200 RPM

**RATIOS:** 3.27, 3.48, 3.69, 4.07, 4.42, 4.92, 6.13, 6.58

BELL HOUSINGS: SAE #0, #00, #1

**CLUTCHES:** SP314, IBF218, SP318, SP321, 18" and 21"

Rubber Block Drives and Flywheel Couplings

OUTPUT SHAFT: 5.5" dia. with 1.0 x .5 keyway x 8" long

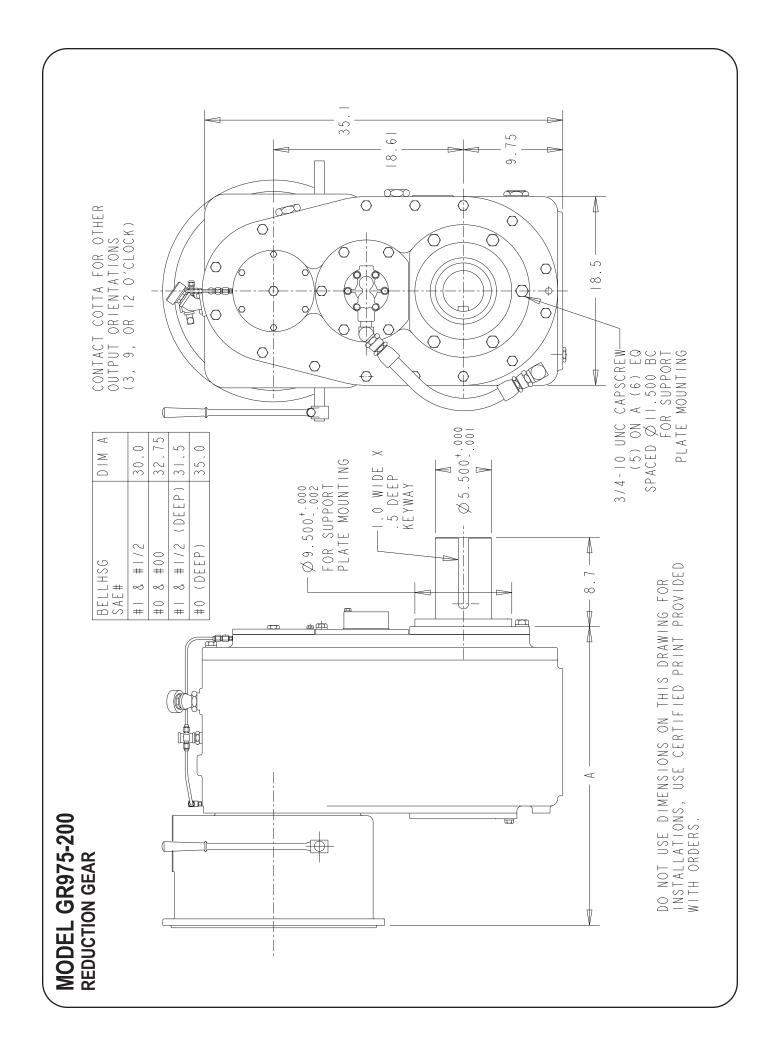
**REAR SUPPORT:** Rear support plate required (not furnished)

**LUBRICATION:** Lube pump is furnished, 7 1/2 gallon sump

capacity

COOLING: A heat exchanger is furnished

WEIGHT: 2300 lbs





# MODEL GR3200E REDUCTION GEAR

Model GR3200E is a heavy duty reduction gear having engine rotation that includes a clutch and mounts to an engine for a compact package with proper alignment. The gears are helical and carburized for ultimate strength and endurance. Gears are designed per AGMA specifications and are precision ground. The bearings are tapered roller and the case is cast iron. A wide variety of ratios are available.

CAPACITY (nominal input torque): 4500 lb. ft.

MAXIMUM INPUT SPEED: 2200 RPM

**RATIOS:** 1.20, 1.54, 1.64, 1.75, 2.0, 2.14, 2.30,

2.67, 3.0, 3.13

BELL HOUSINGS: SAE #0, #00

**CLUTCHES:** SP318, IBF318, SP321, IBF321

21" rubber block drives and flywheel couplings

**OUTPUT SHAFT:** 4.750" diameter with 1.25 x .4375 keyway

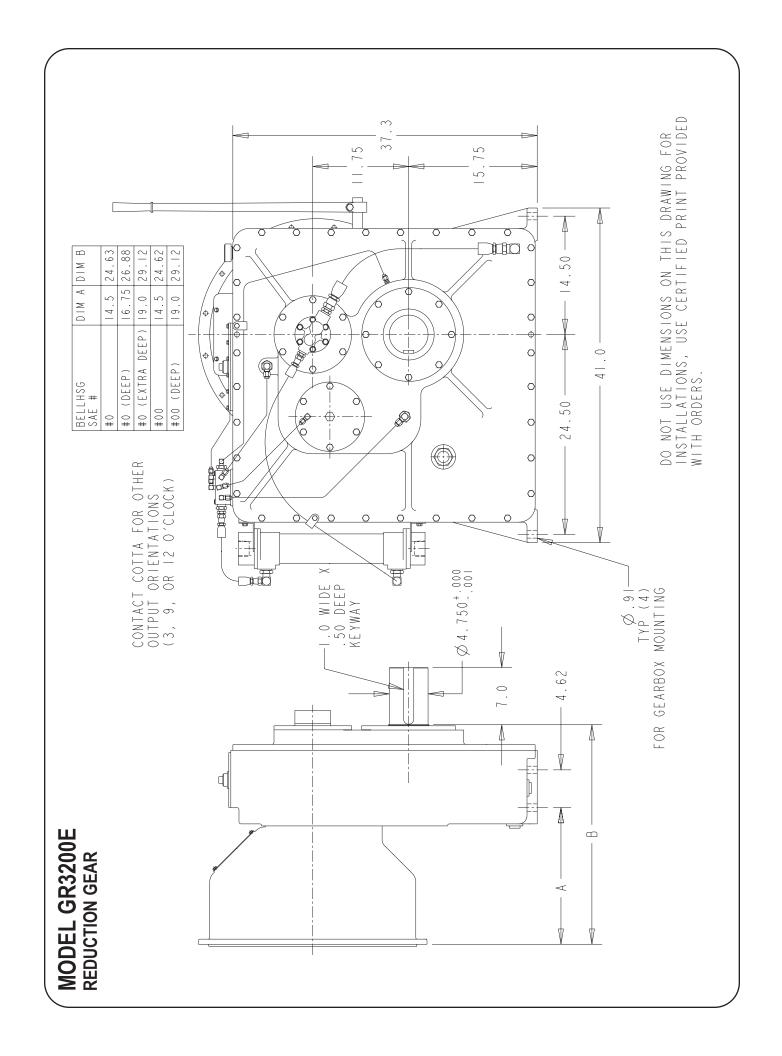
**REAR SUPPORT:** Rear mounting support feet

**LUBRICATION:** Lube pump is furnished

COOLING: A heat exchanger is furnished

WEIGHT: 2000 lbs

Note—See Model GR3210E for 3.31 to 1 ratio





# MODEL GR1600A REDUCTION GEAR

Model GR1600A is a heavy duty reduction gear having anti-engine rotation that includes a clutch and mounts to an engine for a compact package with proper alignment. The gears are helical and carburized for ultimate strength and endurance. Gears are designed per AGMA specifications and are precision ground. The bearings are tapered roller and the case is cast iron. A wide variety of ratios are available.

CAPACITY (nominal input torque): 3000 lb. ft.

MAXIMUM INPUT SPEED: 2200 RPM

**RATIOS:**\* 1.35, 1.44, 1.54, 1.65, 1.77, 1.90, 2.21,

2.39, 2.59, 2.81, 3.07

**BELL HOUSINGS:** SAE #1, #1/2, #0, #00

**CLUTCHES:** SP314, IBF314, SP218, SP318, IBF318,

SP321, 14", 18" and 21" rubber block

drives

OUTPUT SHAFT: 4.000" diameter, 9" long with 1" x 1/2"

keyway

**REAR SUPPORT:** Two mounting feet are provided

**LUBRICATION:** Lube pump is furnished

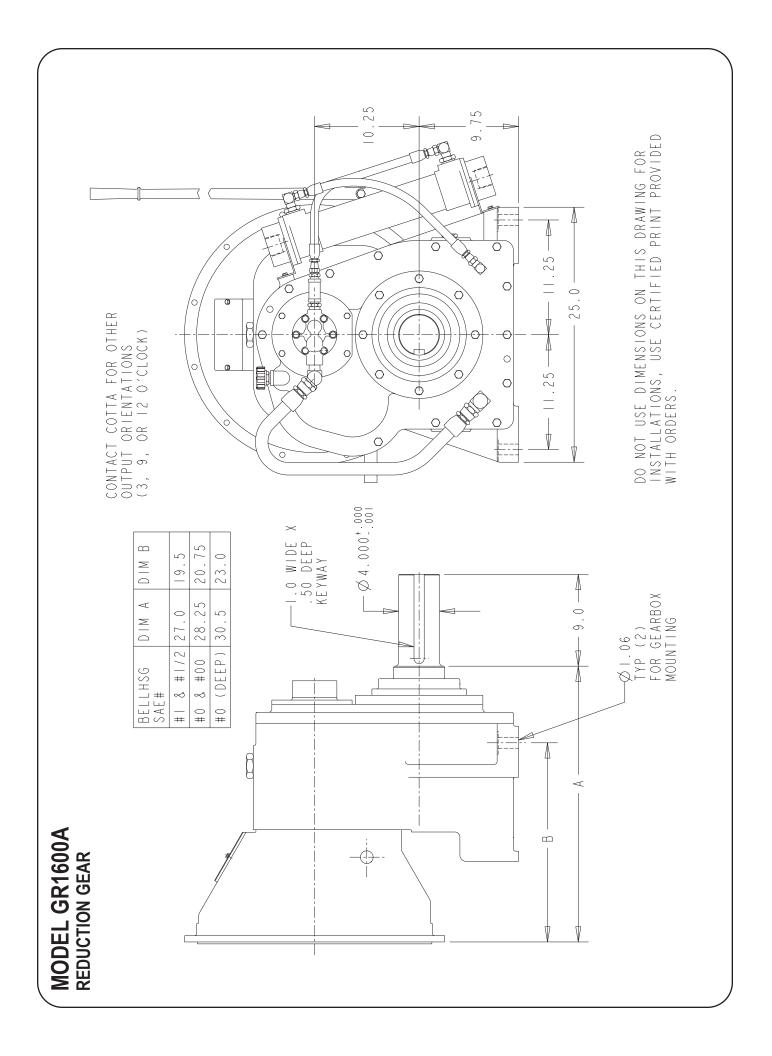
32 pints sump capacity

COOLING: A heat exchanger is furnished

WEIGHT: 1600 lbs

\*Note—Ratios above 2.0 to 1 can't be used with SP321 clutch

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# MODEL GR1600E REDUCTION GEAR

Model GR1600E is a heavy duty reduction gear having engine rotation that includes a clutch and mounts to an engine for a compact package with proper alignment. The gears are helical and carburized for ultimate strength and endurance. Gears are designed per AGMA specifications and are precision ground. The bearings are tapered roller and the case is cast iron. A wide variety of ratios are available.

CAPACITY (nominal input torque): 2600 lb. ft.

MAXIMUM INPUT SPEED: 2200 RPM

**RATIOS:**\* 1.28, 1.38, 1.48, 1.71, 2.0, 2.17, 2.35,

2.56, 2.80, 3.0

**BELL HOUSINGS:** SAE #1, #1/2, #0, #00

**CLUTCHES:** SP314, IBF314, SP218, SP318, IBF318,

SP321

OUTPUT SHAFT: 4.000" diameter, 9" long with 1" x 1/2"

keyway

**REAR SUPPORT:** Two mounting feet are provided

**LUBRICATION:** Lube pump is furnished

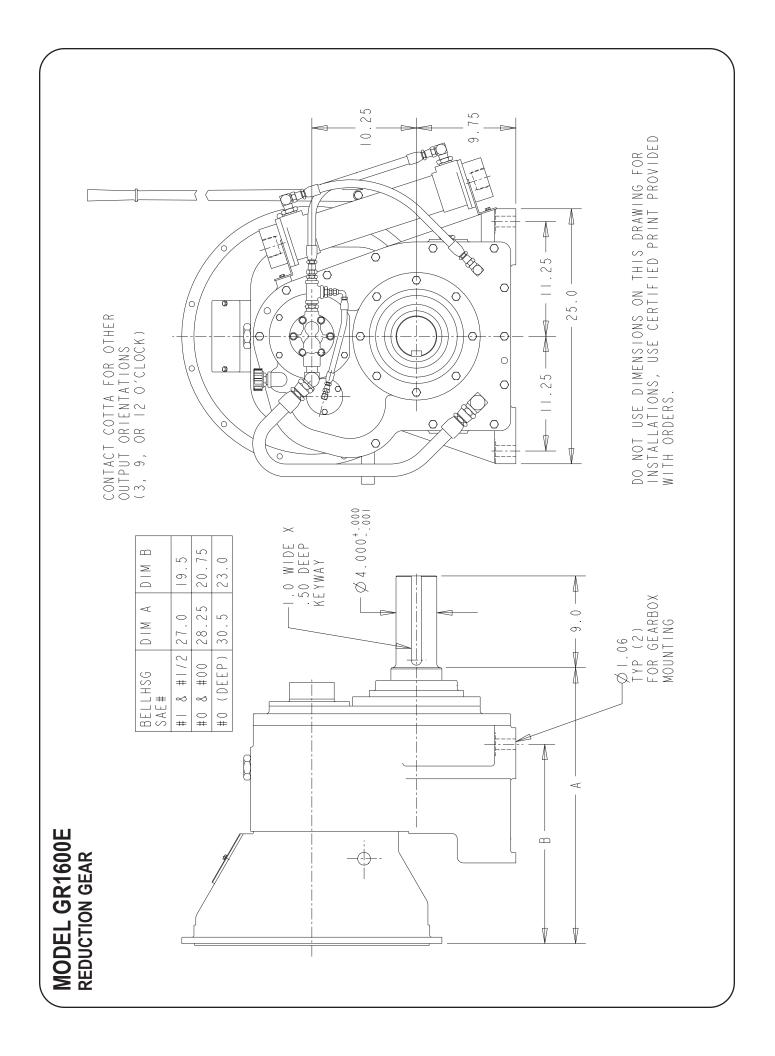
32 pints sump capacity

COOLING: A heat exchanger is furnished

WEIGHT: 1700 lbs

\*Note—Ratios above 2.0 to 1 can't be used with SP321 clutch 0599

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# MODEL GR16A REDUCTION GEAR

Model GR16A is a heavy duty anti-engine rotation reduction gear. A clutch and bell housing is included for mounting to an engine for a compact package with proper alignment. The gears are helical and carburized for ultimate strength and endurance. Gears are designed per AGMA specifications. The bearings are anti-friction and the case is cast iron. A wide variety of ratios are available.

CAPACITY (Maximum input torque): 1650 lb. ft.

MAXIMUM INPUT SPEED: 2200 RPM

**RATIOS:** 1.50, 1.60, 1.72, 1.85, 2.0, 2.16, 2.33,

2.52, 2.75, 3.00

**BELL HOUSINGS:** SAE #1, #1/2, #0, #00

**CLUTCHES:** IBF214, SP314, SP218, SP318

18" rubber block drive

OUTPUT SHAFT: 4.000" diameter, 9" long with 1" x 1/2"

keyway

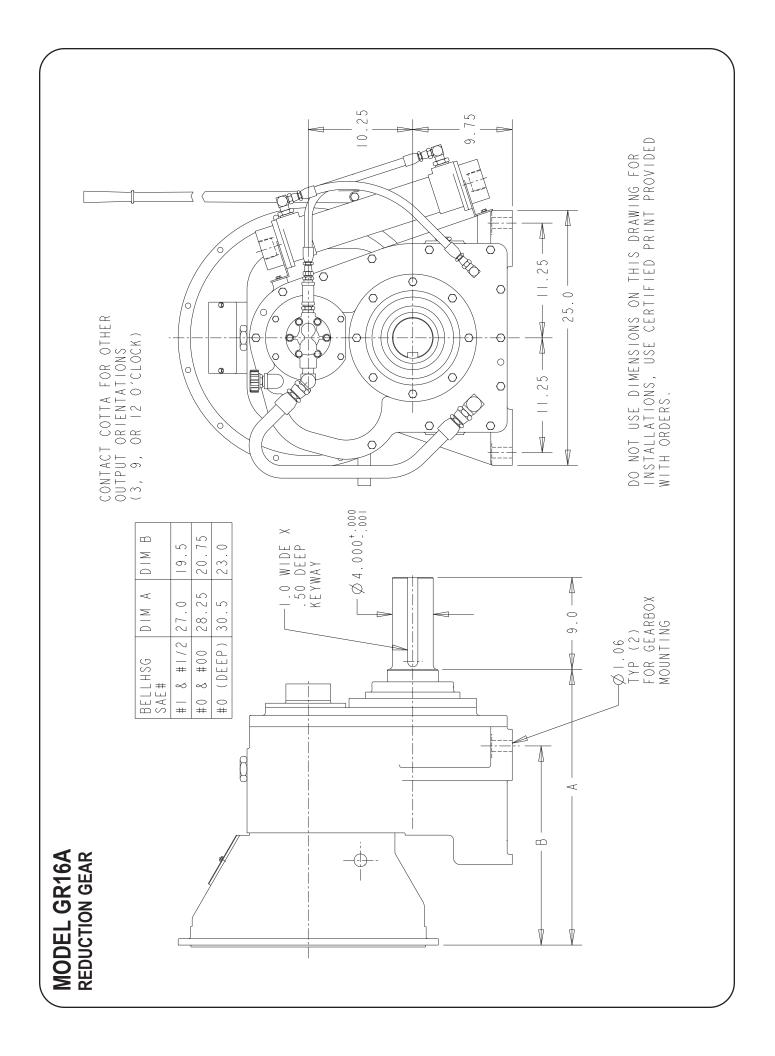
**REAR SUPPORT:** Two mounting feet provided

**LUBRICATION:** Lube pump furnished

32 pints sump capacity

COOLING: A heat exchanger furnished.

WEIGHT: 1380 pounds





# MODEL GR16E REDUCTION GEAR

Model GR16E is a heavy duty engine rotation reduction gear. A clutch and bell housing is included for mounting to an engine for a compact package with proper alignment. The gears are helical and carburized for ultimate strength and endurance. Gears are designed per AGMA specifications. The bearings are anti-friction and the case is cast iron. A wide variety of ratios are available.

CAPACITY (Maximum input torque): 1650 lb. ft.

MAXIMUM INPUT SPEED: 2200 RPM

**RATIOS**: 1.50, 1.66, 1.80, 1.95, 2.11, 2.29, 2.50,

2.73, 3.00

**BELL HOUSINGS:** SAE #1, #1/2, #0, #00

**CLUTCHES:** IBF214, SP314, SP218, SP318

18" rubber block drive

OUTPUT SHAFT: 4.000" diameter, 9" long with 1" x 1/2"

keyway

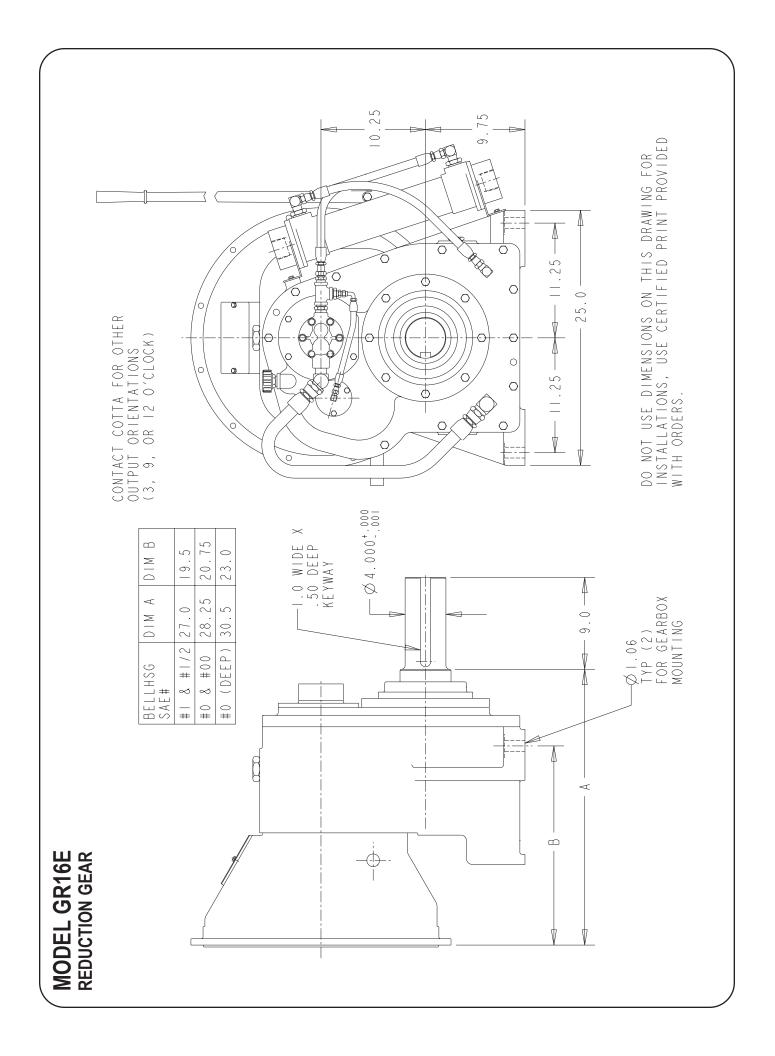
**REAR SUPPORT:** Two mounting feet provided

**LUBRICATION:** Lube pump furnished

32 pints sump capacity

COOLING: A heat exchanger furnished.

WEIGHT: 1530 pounds





# MODEL GR15A REDUCTION GEAR

Model GR15A is a heavy duty anti-engine rotation reduction gear. A clutch and bell housing is included for mounting to an engine for a compact package with proper alignment. The gears are helical and carburized for ultimate strength and endurance. Gears are designed per AGMA specifications. The bearings are anti-friction and the case is cast iron. A wide variety of ratios are available.

CAPACITY: 1450 lb. ft.

MAXIMUM INPUT SPEED: 2300 RPM

**RATIOS:** (ANTI-ENGINE) 1.08, 1.16, 1.26, 1.36, 1.47, 1.60, 1.73,

1.89, 2.05, 2.25, 2.46

**BELL HOUSINGS:** SAE #1, #1/2, #0, #00

CLUTCHES: IBF214, SP314, SP218

14" and 18" rubber block drives and

flywheel couplings

OUTPUT SHAFT: 4.000" diameter, 9" long with 1" x 1/2"

keyway

**REAR SUPPORT:** Two mounting feet provided

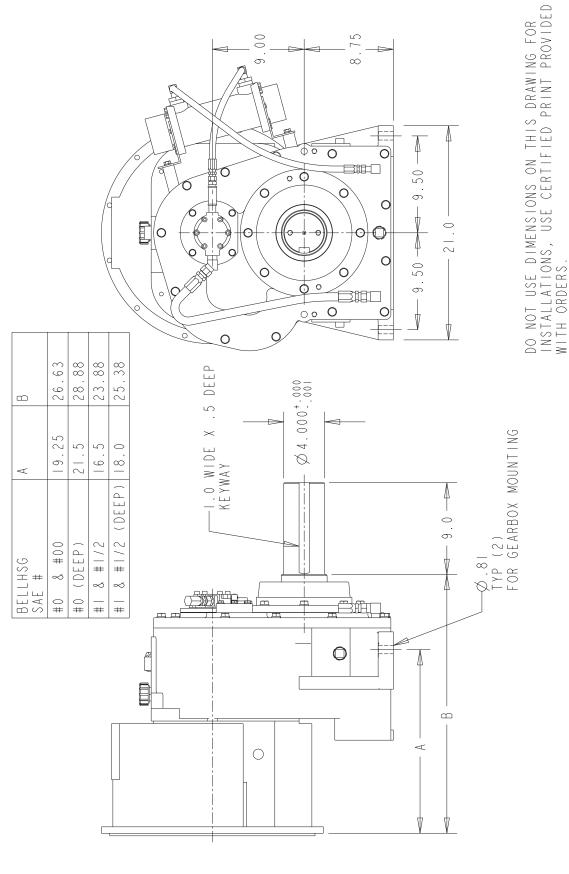
**LUBRICATION:** Lube pump furnished

25 pints sump capacity

COOLING: A heat exchanger furnished

WEIGHT: 1180 lbs

# MODEL GR15A REDUCTION GEAR





# MODEL GR15E REDUCTION GEAR

Model GR15E is a heavy duty engine rotation reduction gear. A clutch and bell housing is included for mounting to an engine for a compact package with proper alignment. The gears are helical and carburized for ultimate strength and endurance. Gears are designed per AGMA specifications. The bearings are anti-friction and the case is cast iron. A wide variety of ratios are available.

CAPACITY: 1450 lb. ft.

MAXIMUM INPUT SPEED: 2300 RPM

**RATIOS**: 1.28,1.40, 1.52,1.66,1.82, 2.00, 2.20,

2.43

**BELL HOUSINGS:** SAE #1, #1/2, #0, #00

CLUTCHES: IBF214, SP314, SP218

14" and 18" rubber block drives and

flywheel couplings

OUTPUT SHAFT: 4.000" diameter, 9" long with 1" x 1/2"

keyway

**REAR SUPPORT:** Two mounting feet provided

**LUBRICATION:** Lube pump furnished

25 pints sump capacity

COOLING: A heat exchanger furnished

WEIGHT: 1330 lbs

## DO NOT USE DIMENSIONS ON THIS DRAWING FOR INSTALLATIONS, USE CERTIFIED PRINT PROVIDED WITH ORDERS. 8.75 9.50 O Ō 0 0 9.50 0 0.0 0 DEEP 23.88 26.63 28.88 25.38 Ø 4.000<sup>+</sup>.000 . 2 $\Box$ Ø.81 TYP (2) FOR GEARBOX MOUNTING -I.O WIDE KEYWAY 19.25 16.5 21.5 0 . $\triangleleft$ (DEEP) 0.6 #1/2 8 #00 #1/2 #0 (DEEP) BELLHSG SAE # ∞ <del>\_</del> 0# $\bigcirc$ $\Box$ MODEL GR15E REDUCTION GEAR $\bigcirc$



# MODEL SR2031 REDUCTION GEAR

Model SR2031 is a heavy duty reduction gear that unit mounts to an engine for a compact package with proper alignment. It has engine rotation and is available with a variety of ratios. The gears are helical, carburized and designed per AGMA standards for ultimate strength, and endurance. The bearings are tapered roller and the case is stress relieved fabricated steel.

CAPACITY (nominal input torque): 1150 lb. ft.

MAXIMUM INPUT SPEED: 2500 RPM

**RATIOS**: 3.50, 4.04, 5.25, 5.94, 7.05

BELL HOUSINGS: SAE #1, #0

**CLUTCHES:** SP214, SP314, SP218

also 14" and 18" rubber block drives

and flywheel couplings

**OUTPUT SHAFT:** 3.500" diameter, 4.50" long 7/8 x

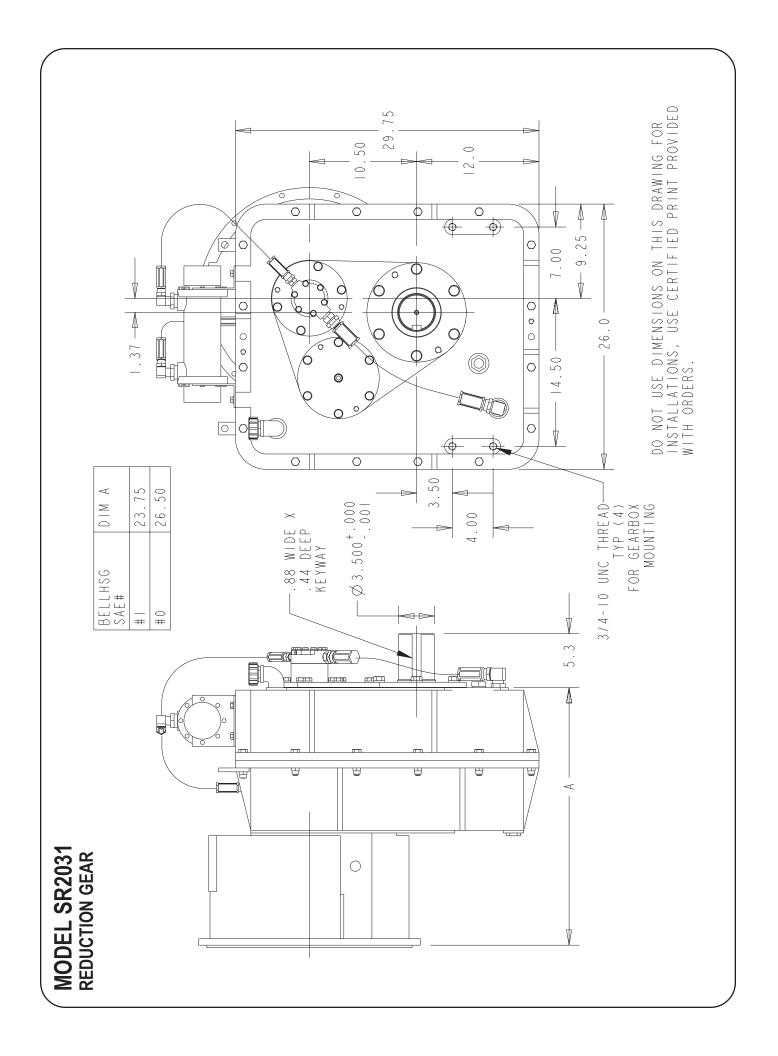
7/16 keyway

**REAR SUPPORT:** 4 holes 3/4-10 for customer

provided rear support

**LUBRICATION:** Lube pump furnished

WEIGHT: 1420 lbs





# MODEL SR972E REDUCTION GEAR

Model SR972E is a heavy duty reduction gear having engine rotation that includes a clutch and bell housing and mounts to an engine for a compact package with proper alignment. There is a double train of gears that are helical and carburized for ultimate strength and endurance. Gears are designed per AGMA specifications. The bearings are anti-friction and the case is cast iron. A wide variety of ratios are available.

CAPACITY (maximum input torque): 1000 lb. ft.

MAXIMUM INPUT SPEED: 2200 RPM

**RATIOS:** 3.09, 3.48, 3.70, 3.94, 4.20, 4.48, 4.78,

5.12, 5.49, 5.89, 6.25

BELL HOUSINGS: SAE #1, #0 Adapter

CLUTCHES: SP214, SP314, 14" Rubber Block

Drive

**OUTPUT SHAFT:** 3.500" diameter, 4 1/2" long 7/8 x

7/16 keyway

**REAR SUPPORT:** 6 holes around output shaft for

customer provided rear support

plate

**LUBRICATION:** Lube pump furnished

5 gallons sump capacity

COOLING: A heat exchanger is furnished

WEIGHT: 1190 lbs

# DO NOT USE DIMENSIONS ON THIS DRAWING FOR INSTALLATIONS, USE CERTIFIED PRINT PROVIDED WITH ORDERS. 25.0 10.50 8.5 3.00 Ф Ю 24. MINO 5/8-11 UNC CAPSCREW— (6) EQ SPACED ON A Ø8.750 BC FOR SUPPORT PLATE MOUNTING 3.500+.000 - 6.995±.002 FOR SUPPORT PLATE MOUNTING -.88 WIDE ; .44 DEEP KEYWAY 5.8 $\Lambda$ SAE #1 BELLHSG MODEL SR972E REDUCTION GEAR



# MODEL SR972A REDUCTION GEAR

Model SR972A is a heavy duty reduction gear having anti-engine rotation that includes a clutch and bell housing and mounts to an engine for a compact package with proper alignment. There is a double train of gears that are helical and carburized for ultimate strength and endurance. Gears are designed per AGMA specifications. The bearings are anti-friction and the case is cast iron. A wide variety of ratios are available.

CAPACITY (maximum input torque): 1000 lb. ft.

MAXIMUM INPUT SPEED: 2200 RPM

**RATIOS**: 3.49, 3.71, 3.94, 4.45, 5.07, 6.25

BELL HOUSINGS: SAE #1, #0 Adapter

CLUTCHES: SP214, SP314

**OUTPUT SHAFT:** 3.500" diameter, 4 1/2" long 7/8 x

7/16 keyway

**REAR SUPPORT:** 6 holes around output shaft for

customer provided rear support

plate

**LUBRICATION:** Lube pump furnished

WEIGHT: 1190 lbs

# DO NOT USE DIMENSIONS ON THIS DRAWING FOR INSTALLATIONS, USE CERTIFIED PRINT PROVIDED WITH ORDERS. 26.6 10.50 9.0 3.00 0 0 3.8 0 ₩ 5/8-11 UNC CAPSCREW-(6) EQ SPACED ON A Ø8.750 BC FOR SUPPORT PLATE MOUNTING -.88 WIDE X .44 DEEP KEYWAY FOR SUPPORT PLATE MOUNTING Ø 3.500 + .000 4.5 4 26.62 SAE #1 BELLHSG MODEL SR972A REDUCTION GEAR $\bigcirc$



# MODEL SR2030 REDUCTION GEAR

Model SR2030 is a heavy duty reduction gear available in engine rotation (SR2030E) or anti-engine rotation (SR2030A). A clutch and bell housing is included for mounting to an engine for a compact package with proper alignment. The gears are helical and carburized for ultimate strength and endurance. Gears are designed per AGMA specifications. The bearings are tapered roller and the case is cast iron. A wide variety of ratios are available in either direction of rotation.

CAPACITY (nominal input torque): 750 lb. ft.

MAXIMUM INPUT SPEED: 2500 RPM

**RATIOS**: (ENGINE) 3.22, 3.42, 3.89, 4.16, 4.47, 4.81, 5.20

(ANTI-ENGINE) 3.45, 3.77, 4.00, 4.25, 4.53, 4.83, 5.17

**BELL HOUSINGS:** SAE #1, #2, #3, #0

**CLUTCHES:** SP111, SP214, SP314, SP218

OUTPUT SHAFT: 3.500" diameter, 5.5" long 7/8 x

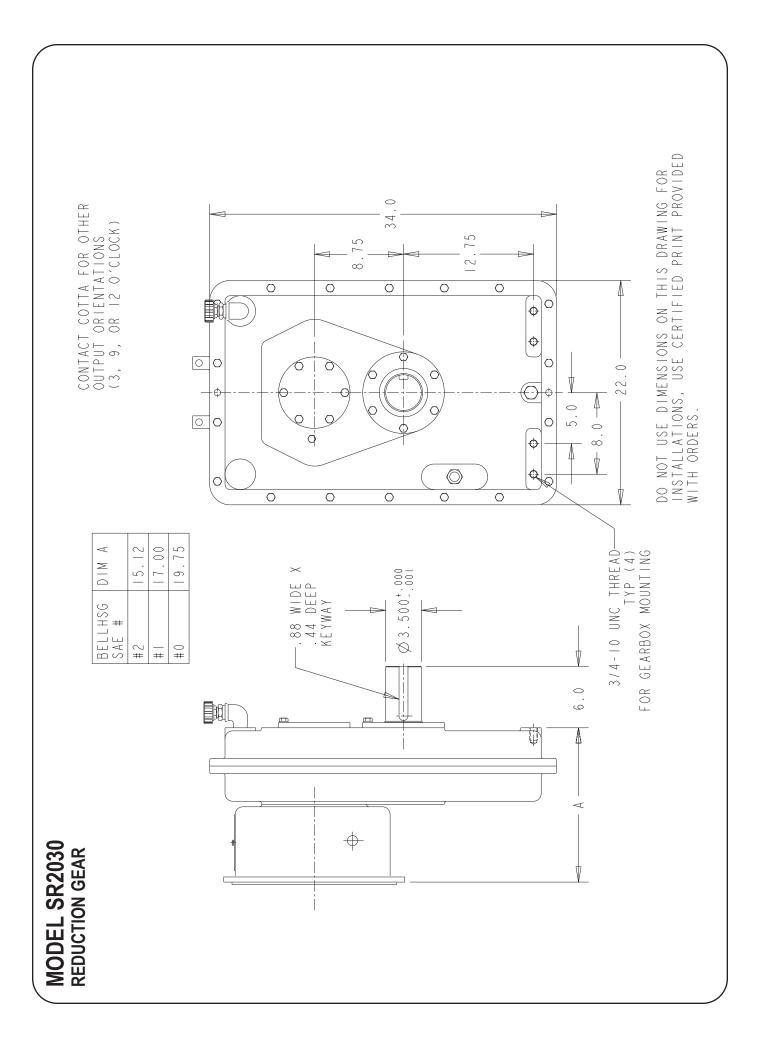
7/16 keyway

**REAR SUPPORT:** 4 holes 3/4-10 for customer's

support plate

LUBRICATION: Splash

WEIGHT: 900 lbs







# MODEL SR12 REDUCTION GEAR

Model SR12 is a heavy duty reduction gear available in engine rotation (SR12E) or anti-engine rotation (SR12A). A clutch and bell housing is included for mounting to an engine for a compact package with proper alignment. The gears are helical and carburized for ultimate strength and endurance. Gears are designed per AGMA specifications. The bearings are anti-friction and the case is cast iron. A wide variety of ratios are available in either direction of rotation

CAPACITY (nominal input torque): 750 lb. ft.

MAXIMUM INPUT SPEED: 2500 RPM

**RATIOS:** (ENGINE) 1.30, 1.46, 1.55, 1.65, 1.76, 1.87, 2.00, 2.28,

2.45, 2.63, 3.05, 3.60, 3.92

(ANTI-ENGINE) 1.03, 1.14, 1.28, 1.43, 1.52, 1.60, 1.70,

1.80, 1.92, 2.04, 2.47, 2.84, 3.05, 3.29,

3.87

BELL HOUSINGS: SAE #1, #2, #0

**CLUTCHES:** SP211, SP114, SP214, SP314

**OUTPUT SHAFT:** 3.000" diameter, 5.5" long 3/4" x 3/8"

keyway

With ratios above 2.45 the output shaft is 3.500" diameter with a 7/8" x 7/16" keyway

**REAR SUPPORT:** 6 holes on a 10.125" B.C. for customer's

support plate

LUBRICATION: Splash

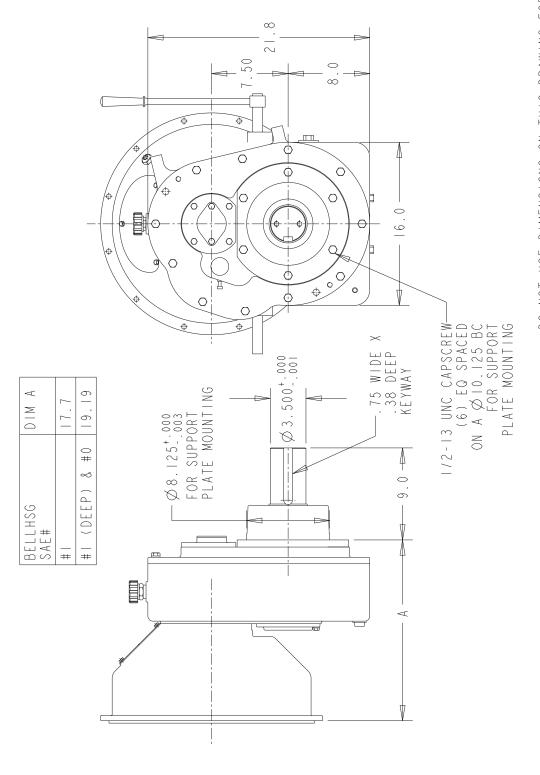
6 quarts sump capacity

WEIGHT: SR12E - 810 lbs

SR12A - 750 lbs

07/31/03

# MODEL SR12 REDUCTION GEAR



DO NOT USE DIMENSIONS ON THIS DRAWING FOR INSTALLATIONS, USE CERTIFIED PRINT PROVIDED WITH ORDERS.





# MODEL SR700 REDUCTION GEAR

Model SR700 is a heavy duty reduction gear available in engine rotation (SR700E) or anti-engine rotation (SR700A). A clutch and bell housing is included for mounting to an engine for a compact package with proper alignment. The gears are helical and carburized for ultimate strength and endurance. Gears are designed per AGMA specifications. The bearings are anti-friction and the case is cast iron. A wide variety of ratios are available in either direction of rotation.

CAPACITY (nominal input torque): 650 lb. ft.

MAXIMUM INPUT SPEED: 2500 RPM

**RATIOS:** (ENGINE) 1.43, 1.55, 1.67, 1.80, 1.95

(ANTI-ENGINE) 1.50, 1.61, 1.73, 1.86, 2.00

BELL HOUSINGS: SAE #1

**CLUTCHES**: SP211, SP114, SP214,

pilot bearing provided to meet

engine specifications

OUTPUT SHAFT: 3.000" diameter, 5.5" long 3/4 x

3/8 keyway

**REAR SUPPORT:** 6 holes on a 10.125" B.C. for

customer's support plate

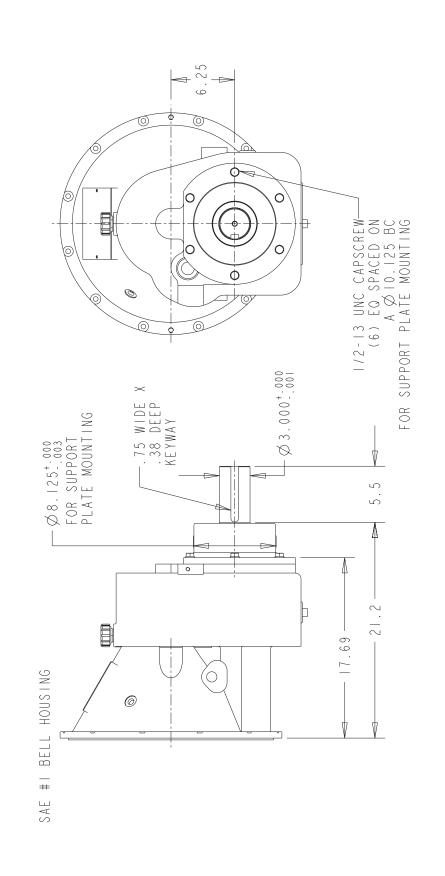
LUBRICATION: Splash

7 quarts sump capacity

WEIGHT: SR700E - 560 lbs

SR700A - 510 lbs

DO NOT USE DIMENSIONS ON THIS DRAWING FOR INSTALLATIONS, USE CERTIFIED PRINT PROVIDED WITH ORDERS.





# MODEL SR3E REDUCTION GEAR

Model SR3E is a heavy duty reduction gear having engine rotation that includes a clutch and mounts to an engine for a compact package with proper alignment. The gears are helical and carburized for ultimate strength and endurance. Gears are designed per AGMA specifications. The bearings are tapered roller and the case is heavy cast iron. A wide variety of ratios are available.

CAPACITY (nominal input torque): 900 lb. ft.

MAXIMUM INPUT SPEED: 3000 RPM

**RATIOS**: 1.20, 1.38, 1.59, 1.84, 2.03, 2.52,

3.00

BELL HOUSINGS: SAE #1, #2, #0

**CLUTCHES:** SP211, SP114, SP214, SP314,

SP218

**OUTPUT SHAFT:** 3.500" diameter, 5" long 7/8 x 7/16

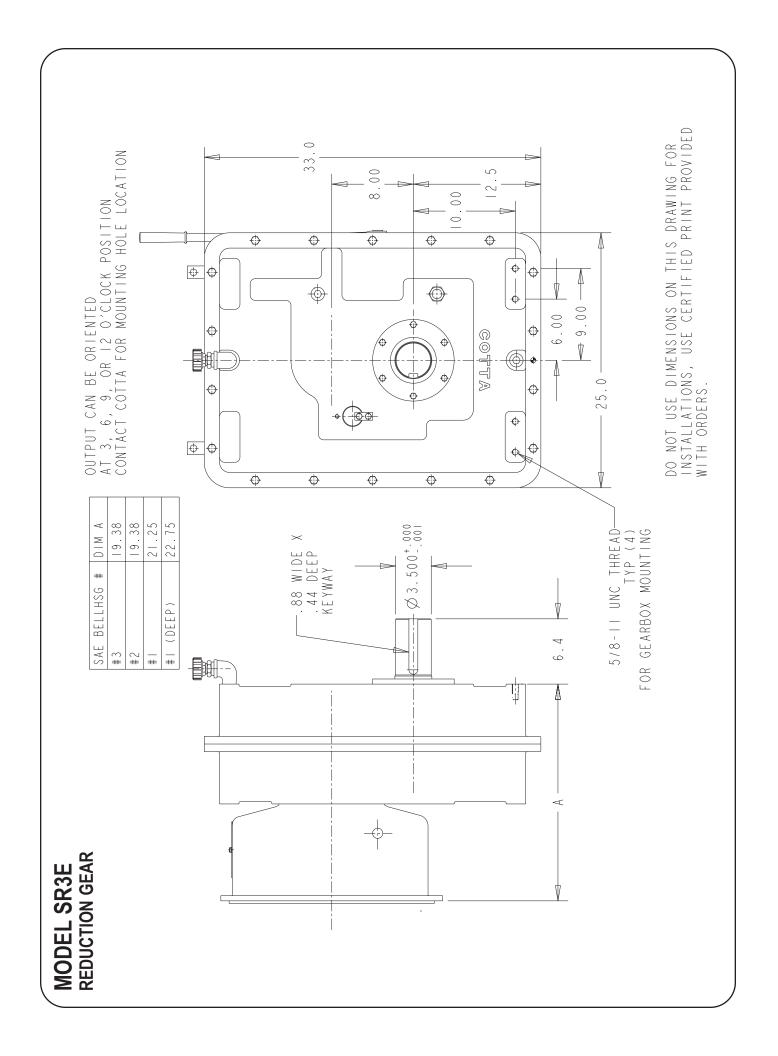
keyway

**REAR SUPPORT:** 4 holes 5/8-11 on rear cover for

customer's support plate

LUBRICATION: Splash

WEIGHT: 975 lbs





# MODEL SR3A REDUCTION GEAR

Model SR3A is a heavy duty reduction gear having anti-engine rotation that includes a clutch and mounts to an engine for a compact package with proper alignment. The gears are helical and carburized for ultimate strength and endurance. Gears are designed per AGMA specifications. The bearings are tapered roller and the case is heavy cast iron. A wide variety of ratios are available.

CAPACITY (nominal input torque): 1400 lb. ft.

MAXIMUM INPUT SPEED: 3000 RPM

**RATIOS:** 1.38, 1.58, 1.82, 2.00, 2.44, 3.04

BELL HOUSINGS: SAE #1, #2, #0

**CLUTCHES:** SP211, SP114, SP214, SP314,

SP218

OUTPUT SHAFT: 3.500" diameter, 5" long 7/8 x

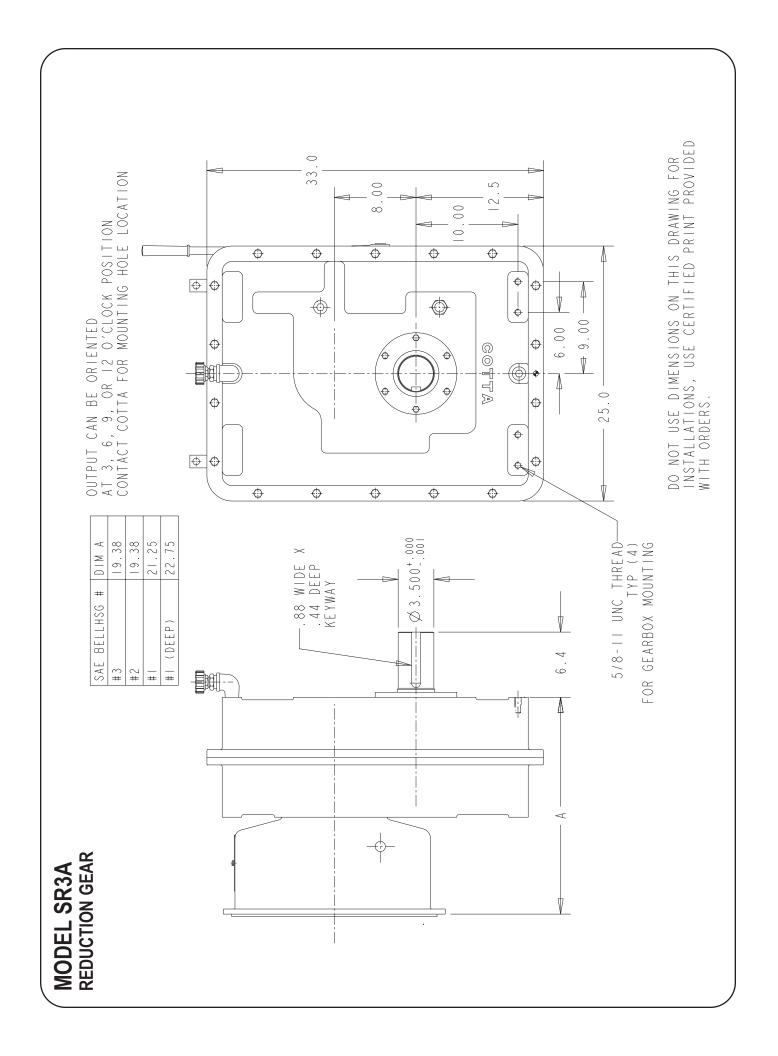
7/16 keyway

**REAR SUPPORT:** 4 holes 5/8-11 on rear cover

for customer's support plate

LUBRICATION: Splash

WEIGHT: 940 lbs





# MODEL SR2A REDUCTION GEAR

Model SR2A is a heavy duty reduction gear having anti-engine rotation that includes a clutch and mounts to an engine for a compact package with proper alignment. The gears are helical and carburized for ultimate strength and endurance. Gears are designed per AGMA specifications. The bearings are tapered roller and the case is heavy cast iron. A wide variety of ratios are available.

CAPACITY (nominal input torque): 800 lb. ft.

MAXIMUM INPUT SPEED: 3000 RPM

**RATIOS**: 1.39, 1.61, 1.82, 1.97, 2.55, 3.07

BELL HOUSINGS: SAE #1, #2, #3

**CLUTCHES:** SP111, SP211, SP114, SP214

OUTPUT SHAFT: 3.000" diameter, 5.5" long 3/4 x

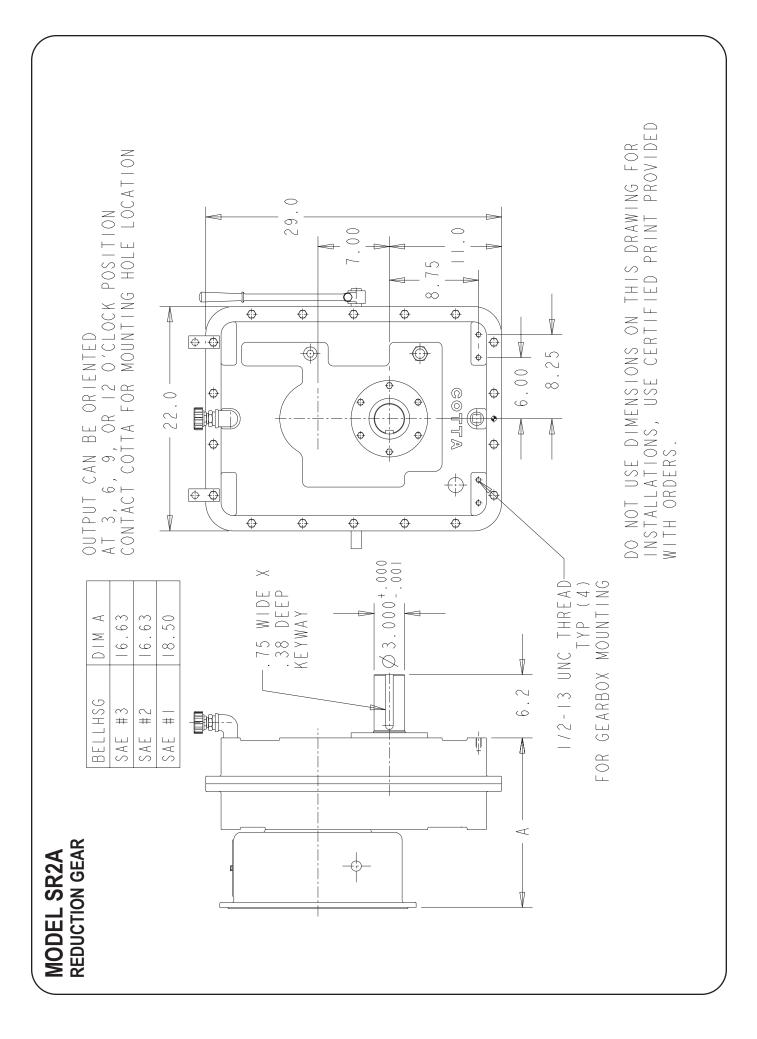
3/8 keyway

**REAR SUPPORT**: 4 holes 1/2-13 on rear cover

for customer's support plate

LUBRICATION: Splash

WEIGHT: 775 lbs





# MODEL SR2E REDUCTION GEAR

Model SR2E is a heavy duty reduction gear having engine rotation that includes a clutch and mounts to an engine for a compact package with proper alignment. The gears are helical and carburized for ultimate strength and endurance. Gears are designed per AGMA specifications. The bearings are tapered roller and the case is heavy cast iron. A wide variety of ratios are available.

CAPACITY (nominal input torque): 600 lb. ft.

MAXIMUM INPUT SPEED: 3000 RPM

**RATIOS**: 1.42, 1.60, 1.81, 1.97, 2.47, 3.00

BELL HOUSINGS: SAE #1, #2, #3

**CLUTCHES:** SP111, SP211, SP114, SP214

OUTPUT SHAFT: 3.000" diameter, 5.5" long 3/4 x

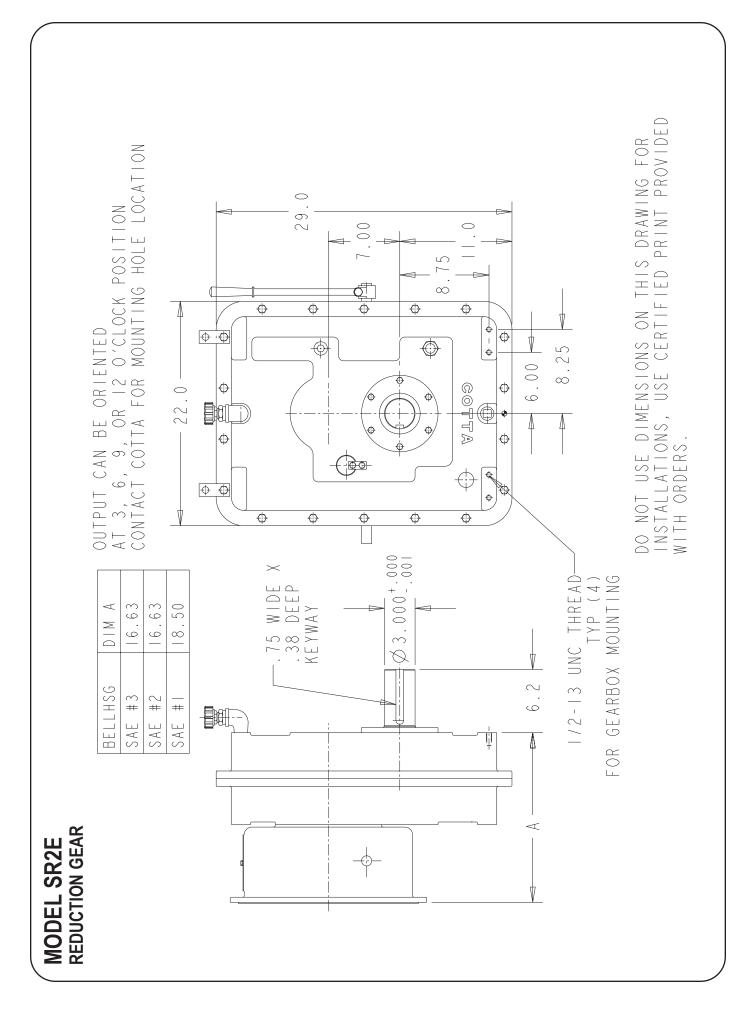
3/8 keyway

**REAR SUPPORT:** 4 holes 1/2-13 on rear cover for

customer's support plate

LUBRICATION: Splash

WEIGHT: 800 lbs





# MODEL AR2053A REDUCTION GEAR

Model AR2053A is a heavy duty reduction gear having anti-engine rotation that includes a clutch and mounts to an engine for a compact package with proper alignment. The gears are helical and carburized for ultimate strength and endurance. Gears are designed per AGMA specifications. The bearings are tapered roller and the case is heavy cast iron. A wide variety of ratios are available.

CAPACITY (nominal input torque): 300 lb. ft.

MAXIMUM INPUT SPEED: With C108 or C110 clutch - 3000 RPM

With SP111 or SP211 clutch - 2850 RPM

**RATIOS:** (STANDARD) 1.55, 2.0

(SPECIAL) 1:1, 1.4, 1.63, 1.80, 2.23, 2.50, 3.0

(3.94 is a special ratio - not available with

SP211 clutch)

BELL HOUSINGS: SAE #2, #3, #4

**CLUTCHES:** C108, C110, SP111, SP211

OUTPUT SHAFT: 2.250" diameter, 5" long 5/8 x 5/16 keyway

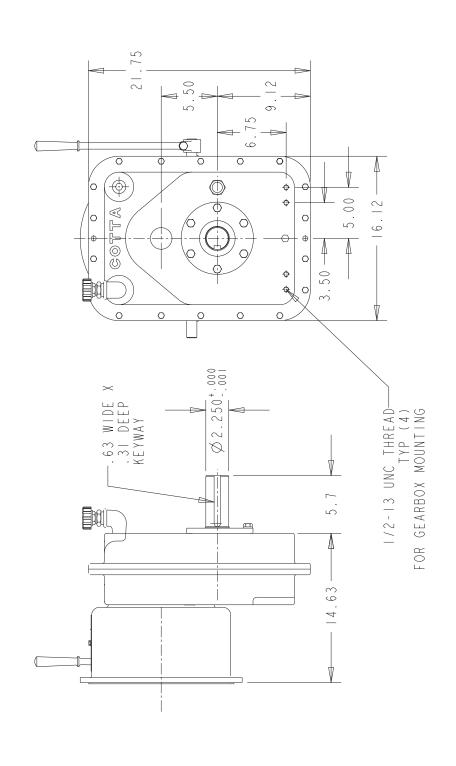
**REAR SUPPORT:** 4 holes 1/2-13 on rear cover for

customer's support plate

LUBRICATION: Splash

WEIGHT: 400 lbs

OUTPUT CAN BE ORIENTED AT 6 OR 12 O'CLOCK POSITION



DO NOT USE DIMENSIONS ON THIS DRAWING FOR INSTALLATIONS, USE CERTIFIED PRINT PROVIDED WITH ORDERS.



# MODEL AR2053E REDUCTION GEAR

Model AR2053E is a heavy duty reduction gear having engine rotation that includes a clutch and mounts to an engine for a compact package with proper alignment. The gears are helical and carburized for ultimate strength and endurance. Gears are designed per AGMA specifications. The bearings are tapered roller and the case is heavy cast iron. A wide variety of ratios are available.

CAPACITY (nominal input torque): 300 lb. ft.

MAXIMUM INPUT SPEED: With C108 or C110 clutch - 3000 RPM

With SP111 or SP211 clutch - 2850 RPM

**RATIOS:** (STANDARD) 1.50, 1.96

(SPECIAL) 1.42, 1.66, 1.76, 2.20, 2.48, 3.0, 3.42, 3.71

(4.0 is a Special Ratio not available with

SP211 clutch)

BELL HOUSINGS: SAE #2, #3, #4

**CLUTCHES:** C108, C110, SP111, SP211

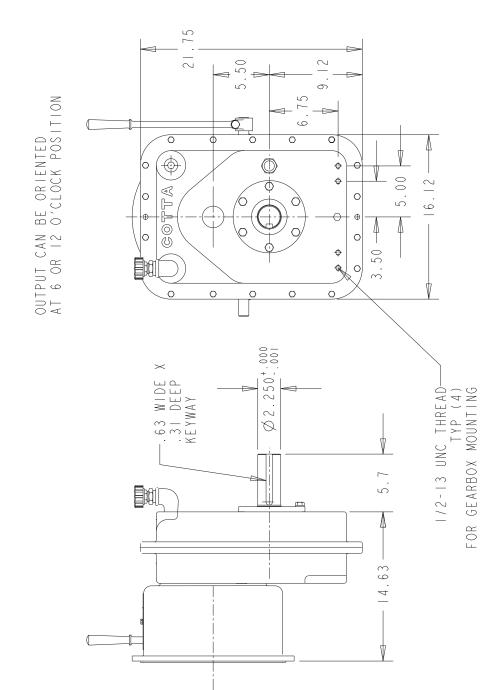
OUTPUT SHAFT: 2.250" diameter, 5" long 5/8 x 5/16 keyway

**REAR SUPPORT:** 4 holes 1/2-13 on rear cover for

customer's support plate

LUBRICATION: Splash

WEIGHT: 415 lbs



DO NOT USE DIMENSIONS ON THIS DRAWING FOR INSTALLATIONS, USE CERTIFIED PRINT PROVIDED WITH ORDERS.