

Compact, quiet and versatile, the ZF Series is ideal when space is a premium. A variety of features and gear reductions enable custom design and low life-cycle costs. The ZF model is designed for additional clearance distance between the motor and the output shaft for shaft over applications.

SPECIFICATIONS & CONSTRUCTION

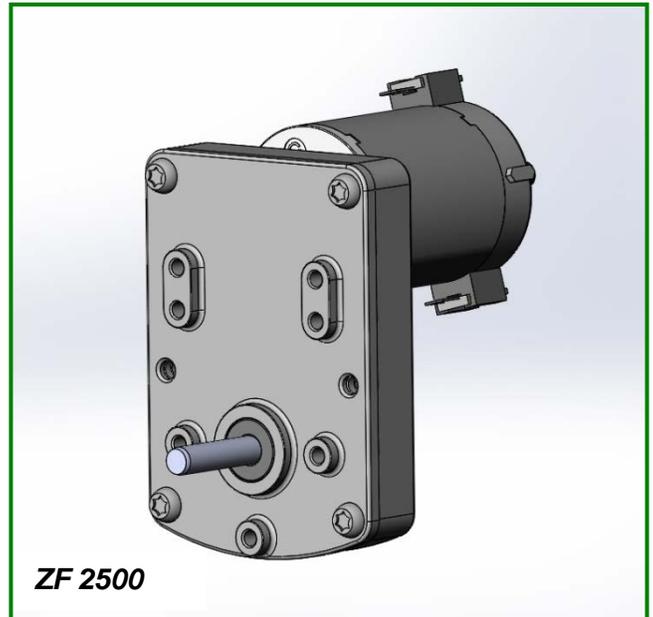
- Type:** Zinc die cast DC gearmotor
- Output speeds:** 30 to 200 RPM
- Voltage:** 6Vdc to 36Vdc
- Bearings:** Self-aligning sintered bronze
- Termination:** Spade terminals or lead wires
- Duty Cycle:** Intermittent
- Motors Available:** 300, 500, 2500, LY
- Insulation Class:** 300, 500 =B ; 2500, LY=F
- Rotation:** Reversible
- Cover:** Die cast or Stamped Steel
- Lubrication:** Synthetic Grease
- Regulatory Approvals:** RoHS

TYPICAL APPLICATIONS

- Ingredient Dispenser
- Banking Equipment
- Instrumentation
- Food Service Equipment
- Pumps

OPTIONAL FEATURES

- Customized output shafts including dual output
- Various lead lengths, terminals and connectors
- Brakes: Electromagnetic
- Output Needle bearings for high radial loads
- Ball bearing for motor
- EMI Filtering: Internal and External Suppression
- Magnetic Encoder: 2 to 12 PPR Resolution
- Optical or Capacitive: Up to 2048 PPR Resolution

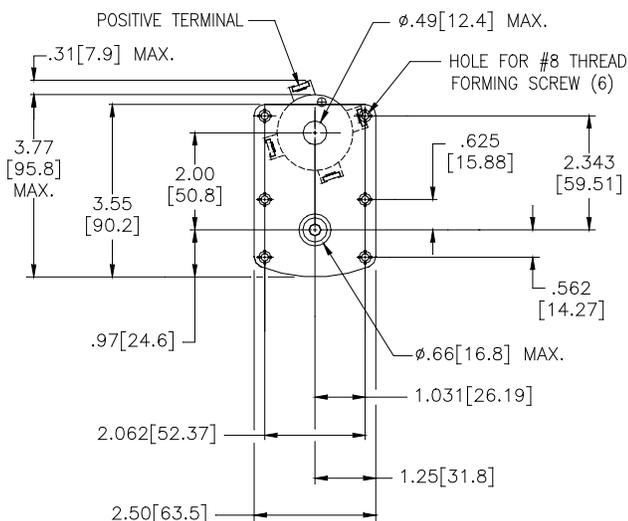


ZF 2500

Maximum Permissible Torque: 50 In.Lb (5.6 Nm)
Speed: Up to 200 RPM

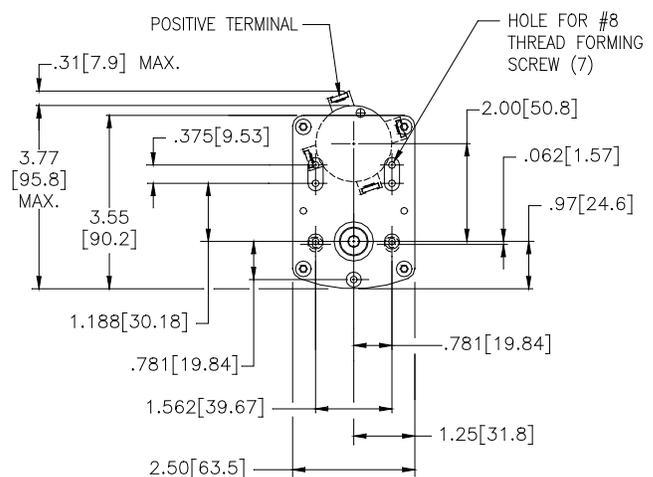
Note: Speed and torque combinations will vary depending on the motor/gearbox combination.

MOUNTING



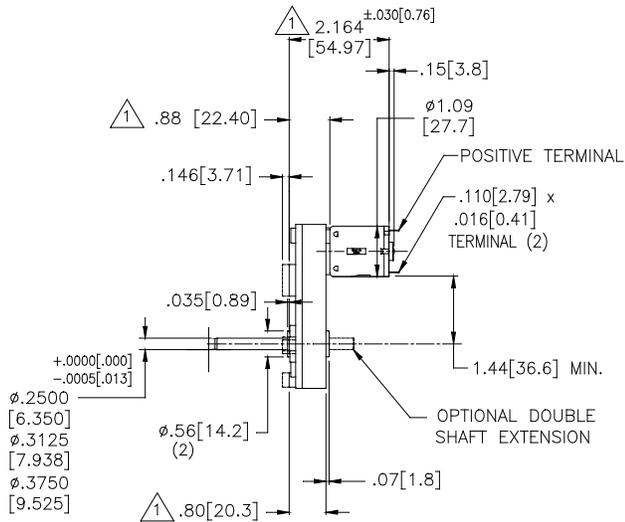
STAMPED STEEL COVER

MOUNTING



DIE-CAST COVER

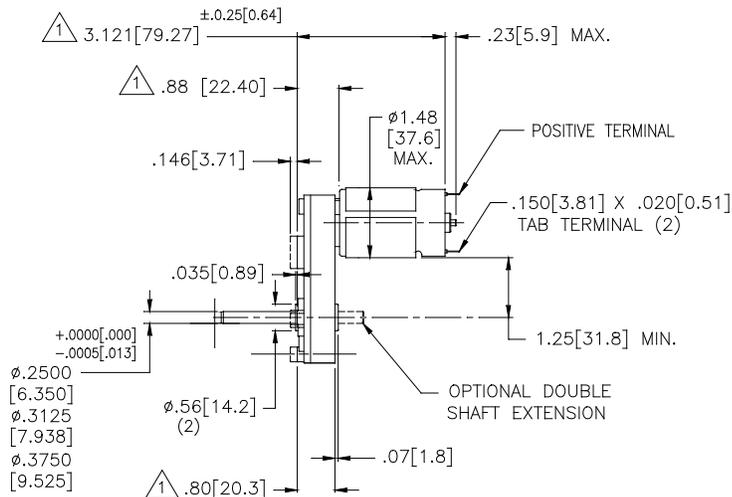
ZF300



NOTES:

1. $\triangle 1$ FOR STAMPED COVER APPLICATION, SUBTRACT $.233$ [5.92] FROM DIMENSIONS.
2. BROKEN LINES REPRESENT OPTIONAL MOUNTINGS.
3. TERMINAL ORIENTATION IS SUBJECT TO APPLICATION.

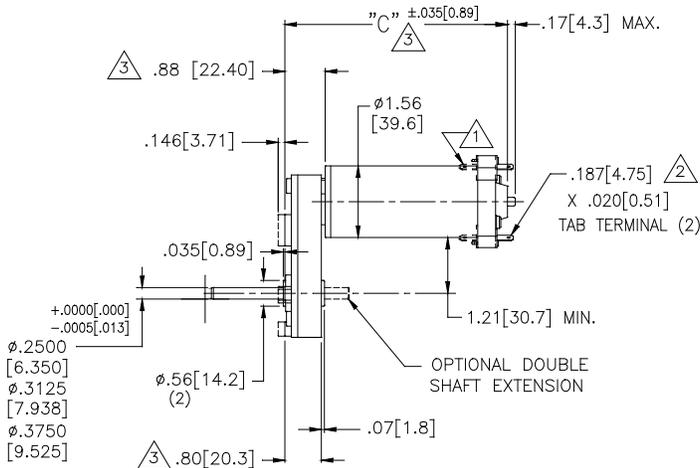
ZF500



NOTES:

1. $\triangle 1$ FOR STAMPED COVER APPLICATION, SUBTRACT $.233$ [5.92] FROM DIMENSIONS.
2. BROKEN LINES REPRESENT OPTIONAL MOUNTINGS.
3. TERMINAL ORIENTATION IS SUBJECT TO APPLICATION.

ZF2500

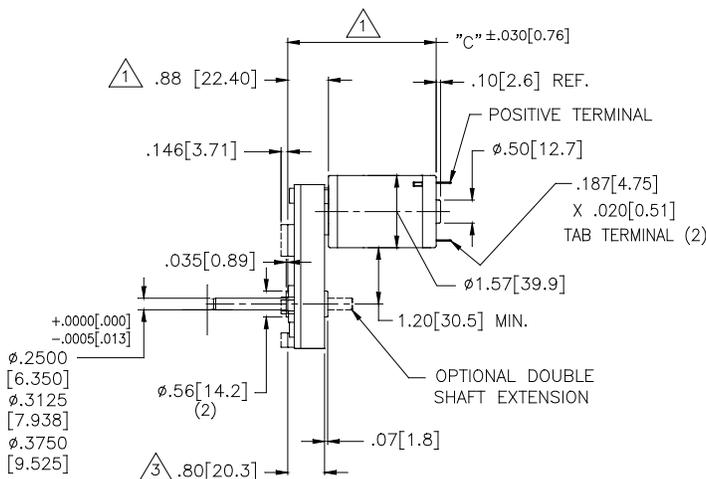


MOTOR MODEL	"C" DIM
2508	3.053[77.55]
2512	3.303[83.90]
2518	3.678[93.42]
2524	4.053[102.95]
2532	4.553[115.64]

NOTES:

- 1 OPTIONAL TERMINAL PROJECTION (INWARD).
- 2 OPTIONAL .110[2.79] x .020[0.51] TERMINALS.
- 3 FOR STAMPED COVER APPLICATION, SUBTRACT .233[5.92] FROM DIMENSIONS.
- 4. BROKEN LINES REPRESENT OPTIONAL MOUNTINGS.

ZFLY



MOTOR MODEL	"C" DIM
LY-4X (1/2")	2.978[75.64]
LY-6X (3/4")	3.228[81.99]
LY-8X (1")	3.478[88.34]
LY-CX (1-1/2")	3.978[101.04]

NOTES:

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- 3. TERMINAL ORIENTATION IS SUBJECT TO APPLICATION.