



## Mogul Screw Bases

Mogul screw bases are made in the larger diameters required by high wattage incandescent, high intensity discharge and other types of commercial lamps.

GE Lighting is a major producer of this base size as well as all other types of lamp bases. We offer major production facilities in the United States and Europe, over 70 years of experience in producing lamp bases and a well established reputation as a quality supplier.

### Key Components

Bases perform a key function in the operation of a lamp, passing electrical current from the source into the envelope and at the same time providing the required insulation. Adding strength and stability to the light bulb structure is its other major contribution.

Whether they are referred to as bases (the U.S. terminology) or caps (as they are called in many other countries), mogul bases are highly engineered components produced on high production automated equipment. Com-

puterized monitoring and statistical process control are utilized to keep the quality high and costs to our customers as low as possible.

### Copper Shell Option

Mogul bases come in brass, nickel plated brass and aluminum shells. There is now a fourth option offered by GE Lighting. For lamps operating at higher temperatures or in corrosive atmospheres, a GE innovation, the 706 alloy copper based shell, presents a number of attractive advantages.

These include compatibility with sea water environments and the ability to withstand the effects of chemical agents encountered in food processing, chemical processing and sewage applications (a list of base materials and their chemical compatibility is available from GE Lighting). The copper base is also better at avoiding stress corrosion cracking than nickel plated brass bases.

Because of its higher strength and stiffness, the copper alloy base experiences fewer dents and deformations

during lamp manufacture or from forcible removal from a socket. Copper also has smoother edges. This minimizes sharp edge hazards in handling and reduces the tendency of the base to snag during removal from the socket.

A number of other design options are available in the mogul screw bases. These include round or cone domes; glass, plastic or ceramic insulation, US and international thread spacing, and many others.

### Meet International Standards

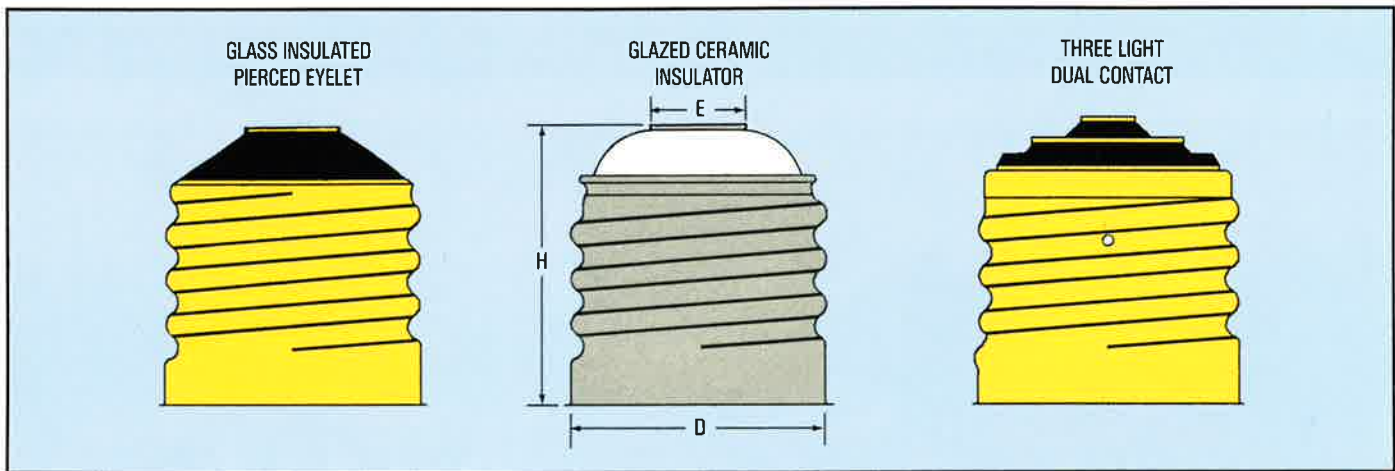
GE mogul screw bases conform to a number of specifications, including the ANSI and SAE codes. To meet specifications in international markets, GE manufactures bases to the metric dimensions published by the International Electric Commission (IEC). A conversion table from GE product code numbers to IEC designations is available from GE Lighting.

## Ordering Information

To place an order, contact the plant indicated on the table for each base: P for Providence, RI, and C for Conneaut, OH. An N indicates contact should be made to our offices at Nela Park in Cleveland, OH (address below).

**Conneaut Base Plant**  
**Rieg and Maple Avenues**  
**Conneaut, Ohio 44030**  
**Tel: (216) 593-1156**  
**Fax: (216) 593-1156**

**Providence Base Plant**  
**586 Atwells Avenue**  
**Providence, Rhode Island 02909**  
**Tel: (401) 456-6140**  
**Fax: (401) 456-6132**



## Mogul Screw Bases

Glass insulated. Brass shell unless otherwise noted. Dimensions in inches and (mm), four threads per inch (25.40 mm)

Product Code No.	Description	D Diameter OD Max	H Height	E Eyelet Diameter	Threads				Order From
					Depth Minimum	Radius Nominal	Crest Maximum	Root Maximum	
0401-13	Eyelet Not Pierced	1.560 (39.624)	1.625 (41.28)	.561 (14.25)	.055 (1.397)	.0906 (2.301)	1.533 (39.44)	1.445 (36.70)	C
0401-14	Eyelet Not Pierced, Nickel Plated			.561 (14.25)			1.555 (39.49)		
0401-39	Double Date Coded, Type R, 0.060 (1.51) EH						1.625 (41.28)		
0401-40	Double Date Coded, Type R, NP Finish, 0.060 EH		1.625 (41.28)	.561 (14.25)	.055 (1.397)	.0906 (2.301)		1.555 (39.49)	
0401-41	Double Date Coded, Type T, 0.060 EH						1.772 (45.005)	.563 (14.3)	.071 (1.803)
0401-46	Glazed Ceramic Insulation, Date Coded, Special Eyelet		1.656 (42.065)	.312 (7.94)	.055 (1.397)	.0906 (2.301)			
0401-93	706 Copper Alloy, Double Date Coded						1.495 (37.72) ID	1.625 (41.28)	.511 Min. (17.996) .906 Max. (23.010)
0405-03	Glazed Ceramic Insulator, Special 0.060 (1.51) Eyelet Hole								
0409-05	Aluminum Shell, Plastic Insulation, Three-light, Dual Contact, Vented, Beaded Rim, 0.040 (1.02) EH		1.375 (34.92)	.875 (22.22)	-				P
0409-06	Plastic Insulation, Three-light, Dual Contact, 1.040 (1.02) EH								
1852-01	Prefocus, 0.080 (2.03) Eyelet Hole								
3003-04	Galvanized Inner, Threaded								
3138-01	Galvanized Inner, Unthreaded								



**GE Lighting Components**  
**Building 315, Nela Park**  
**Cleveland, Ohio 44112**  
**(216) 266-2451 FAX: (216) 266-3372**

**GE Lighting**  
**Components**