

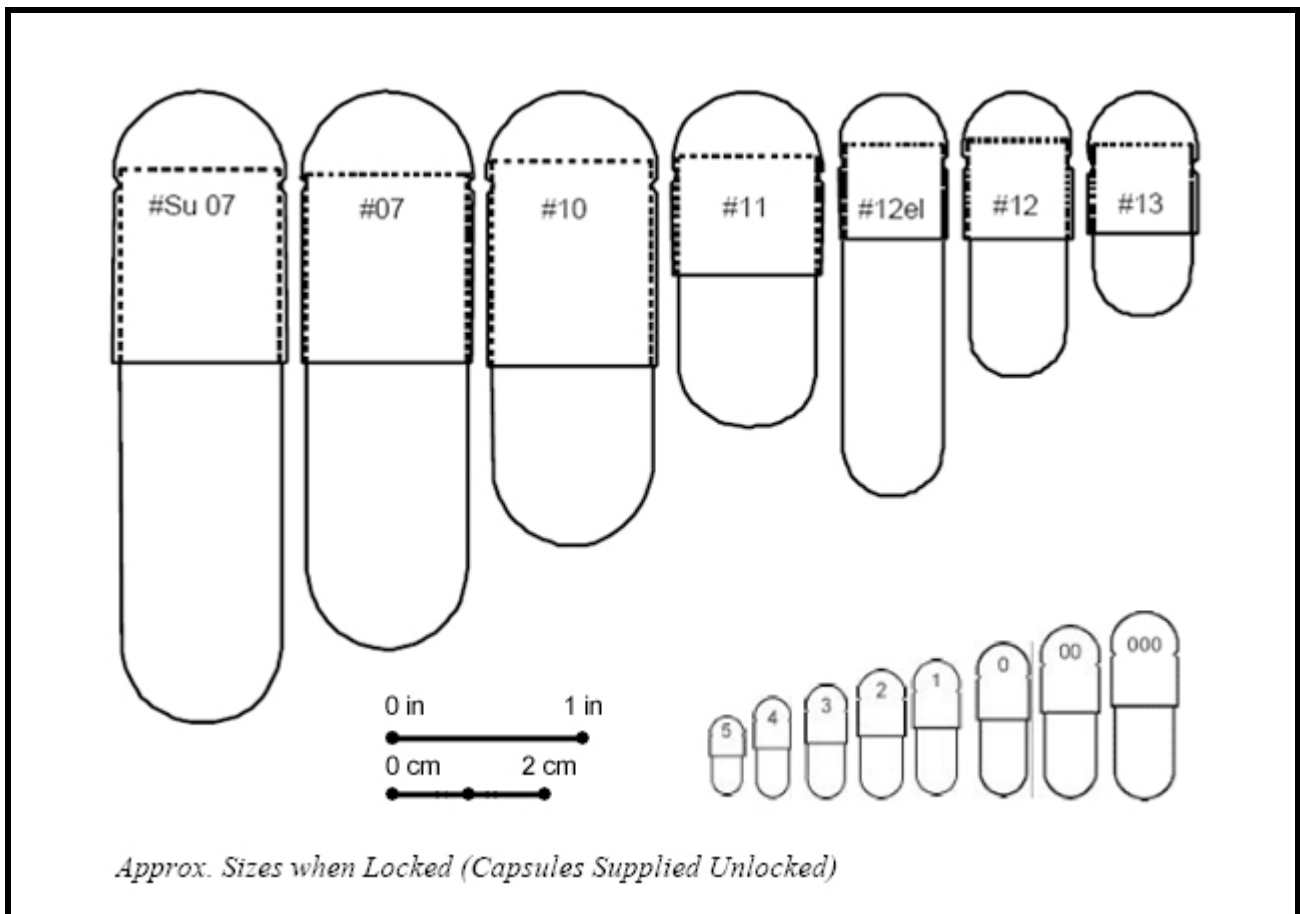


333 Route 46, Fairfield, New Jersey 07004, USA  
Tel: 1-973-244-1125 Fax: 244-1365 torpac.com  
Special Capsules \* Capsule Machinery \* Soluble Containers

## Gelatin Capsules Size Chart For Optics, Electronic, Specimens & More

- Optics:** Capsules are 100% Biodegradable, No Monomers, No Outgassing, Moisture Protection, Protects Coated & Polished Surfaces.
- Electronics:** Store inactivated & active electronics, e.g. capacitors, resistors, inductors, diodes & transistors. Store highly charge sensitive components mounted on discharge bases.
- Specimens:** Shells, Fossils, Insects, etc. are suitable for storing in capsules.
- Customers:** Used for the storage of delicate optical and electronic components by: Barr Associates, Circon-Acme, JML Optical, Melles Griot, Microwave Components, Virgo Optics, et al.

### Capsule Size Chart



**See Reverse for Internal Dimensions**



333 Route 46, Fairfield, New Jersey 07004, USA  
 Tel: 1-973-244-1125 Fax: 244-1365 torpac.com  
 Special Capsules \* Capsule Machinery \* Soluble Containers

Capsule Size	Internal Dimension				Packaging
	Interior Diameter		Interior Length		
	mm	inches	mm	inches	
<b>Small Size Capsules</b>					
000	9.39	0.38	27.54	1.10	Available in Bags of 1,000 capsules
00	8.02	0.32	23.09	0.92	
0	7.17	0.29	20.99	0.84	
1	6.48	0.26	18.80	0.75	
2	5.93	0.24	17.30	0.69	
3	5.43	0.22	15.32	0.61	
4	4.87	0.20	13.72	0.55	
5	4.47	0.18	10.83	0.43	
<b>Large Size Capsules</b>					
13	14.17	0.57	29.57	1.18	10 Boxes of 100 Capsules per Case.  Part Cases Available.
12	14.18	0.57	40.08	1.60	
12el	14.14	0.57	57.62	2.31	
11	19.32	0.77	47.02	1.88	
10	22.23	0.89	61.93	2.48	
7	22.30	0.89	77.50	3.10	
Su07	22.32	0.89	88.02	3.52	

## Optics

Use For Lenses, Mirrors, Filters, Crystals, Prisms, Assemblies, Windows & Other Delicate Components  
 Gelatin capsules, widely used in human pharmaceuticals, offer several advantages in the storage and shipping of delicate optical and electronic components.

### **Capsules Are Environmentally Friendly Packaging:**

Gelatin is 100% biodegradable and of natural origin. Unlike plastic, gelatin does not emit volatile monomers that can deposit on sensitive components during storage.

### **Capsules Provide a Barrier to Moisture:**

Gelatin absorbs moisture and has moisture barrier properties, thus minimizing condensation effects. When a component is sealed within a gelatin capsule, moisture will be preferentially absorbed by the gelatin.

### **Capsules Protect Flat Surfaces from Damage:**

The gelatin capsules' cylindrical shape and hemispherical domes ensure that the flat surfaces of disk-shaped components never touch the walls of the capsule. Mirrors, coated components, and lens surfaces are protected from contact during shipping. Capsules are a clear, strong and yet flexible container. They are transparent, thus allowing inspection through the capsules without the need to touch the component. Capsules are supplied in two pieces (cap and body) with a built in seal.

### **Capsules Are Faster than Optical Envelopes:**

A typical use is as a one step packaging process for micro-optics. On an assembly line, a worker opens a gelatin capsule and places the open body of the capsule over a small optical filter. By pinching the body, which is flexible, the filter is picked up. The capsule body is then sealed using the capsule's cap. This method is much faster than wrapping the filter in tissue and then sealing an envelope.

For more information and pricing email your Torpac Representative or contact us via [www.torpac.com](http://www.torpac.com)