

PELCO® FREEZER HATS Product Numbers: 39200-39207



Figure 1: PELCO® Freezer Hats

DESCRIPTION

PELCO® Freezer Hats are chambered brass planchets that allow high pressure freezing of samples of varying thicknesses. PELCO® Freezer Hats are designed for use in high pressure freezers such as:

- Leica
- Wohlwend
- CryoCapCell
- ABRA
- RMC Boeckeler
- Balzers
- Bal-Tec

Available cavity depths are 0.05, 0.1, 0.15, 0.2, 0.25 and 0.3mm.

Please Note: PELCO® Freezer Hats are available in brass only.

USING PELCO® FREEZER HATS

Planchet cross sections are illustrated in Figure 2. Using two planchets, stacked in various combinations, permits cavity thicknesses from 0.05mm to 0.6mm (Table 1).

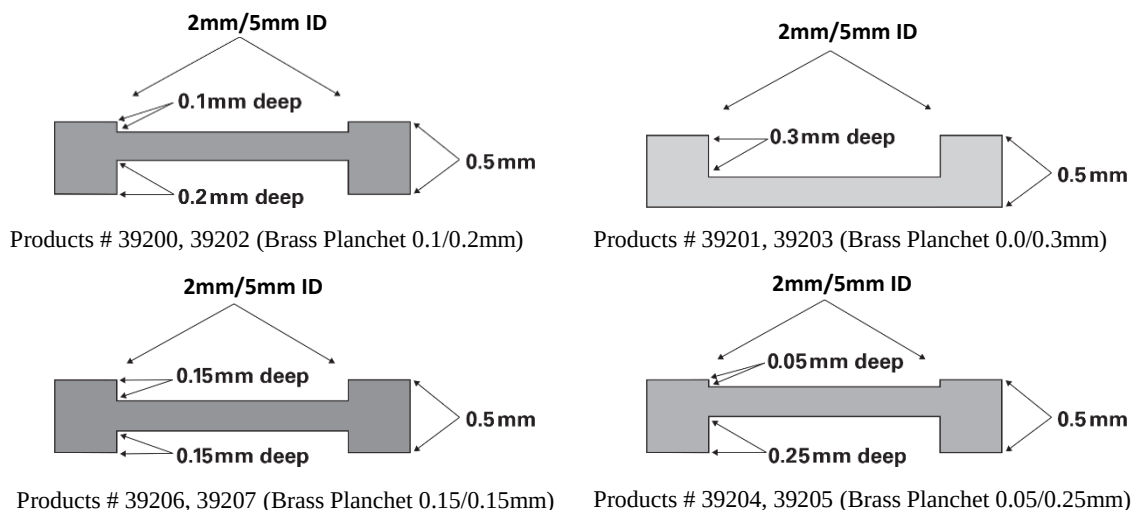


Figure 2: PELCO® Freezer Hat Cross Sections

Table 1 depicts the most commonly used hats stacked to produce different cavity heights. Please note this table does not show every combination of hats possible to produce a given thickness. Table 2 lists available PELCO® Freezer Hats.

Table 1: PELCO® Freezer Hat Example Combinations						
Thickness	0.05mm	0.1mm*	0.15mm*	0.2mm*	0.25mm*	0.3mm*
Hats Utilized	0.0/0.3 0.05/0.25	0.0/0.3 0.1/0.2	0.0/0.3 0.15/0.15	0.0/0.3 0.1/0.2	0.0/0.3 0.05/0.25	0.0/0.3 0.0/0.3
Example						

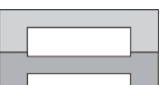
Thickness	0.35mm*	0.4mm*	0.45mm*	0.5mm*	0.55mm	0.6mm
Hats Utilized	0.0/0.3 0.05/0.25	0.0/0.3 0.1/0.2	0.0/0.3 0.15/0.15	0.0/0.3 0.1/0.2	0.0/0.3 0.05/0.25	0.0/0.3 0.0/0.3
Example						
* It is possible to produce this cavity size with other combinations of stacked hats.						

Table 2: PELCO® Freezer Hat Selection	
3 mm Ø Planchets	
Product #	Description
39200	PELCO® Freezer Hats, Brass, 0.1/0.2mm
39201	PELCO® Freezer Hats, Brass, 0.0/0.3mm
39204	PELCO® Freezer Hats, Brass, 0.05/0.25mm
39206	PELCO® Freezer Hats, Brass, 0.15/0.15mm
6 mm Ø Planchets	
Product #	Description
39202	PELCO® Freezer Hats, Brass, 0.1/0.2mm
39203	PELCO® Freezer Hats, Brass, 0.0/0.3mm
39205	PELCO® Freezer Hats, Brass, 0.05/0.25mm
39207	PELCO® Freezer Hats, Brass, 0.15/0.15mm

CLEANING PELCO® FREEZER HATS

1. Mix a 2% Citranox Solution:
 - 1 mL Citranox
 - 49 mL DI Water
2. In a beaker, fully submerge Freezer Hats in 2% Citranox solution.
3. Sonicate for 20 minutes.
4. Rinse with DI water until there is no soap remaining.
5. Rinse with acetone.
6. Rinse with acetone once more, and dry in a single layer.
7. Repeat if needed.