

Technical drawing of a 1/4-20 x 1.000 inch hex head cap screw. The drawing includes a top view, a side view, and a cross-section view labeled "SECTION A-A".

Top View:

- Head Diameter: $\varnothing 0.709^{+0.000}_{-0.008}$ [18 -0.2]
- Head Thickness: 0.126" [3.20]

Side View:

- Head Height: 0.126" [3.20]
- Head Diameter: $\varnothing 0.472$ " [12.00]
- Body Diameter: 0.882±.004" [22.4±0.1]
- Body Length: 1.008±.006" [25.6±0.15]
- Section A-A: Cross-section view showing the internal threads and the central hole.

Thread and Hole Specifications:

- Thread: 8-32 UNC 2B $\nabla 20.50$ (0.807")
- TAP DRILL 3.50 ($\varnothing 0.1380$) $\nabla 22.00$ (0.866")
- Chamfer: $\surd 4.50 \times 90^\circ$ (0.177" $\times 90^\circ$)
- Central Hole Diameter: $\varnothing 0.002$ " [0.05]

FINISHES

PC - BN - ORB - BLK - BG
