

# LOFT command

2208 GstarCAD MY /KW August 17, 2021 [CAD Commands](#) 0 3123

The **LOFT** command is used to create 3D solids or surfaces by several cross sections.

## Command Access:

**Ribbon** : 3D > Modeling > Extrude > Loft

**Menu** : Draw > Modeling > Loft

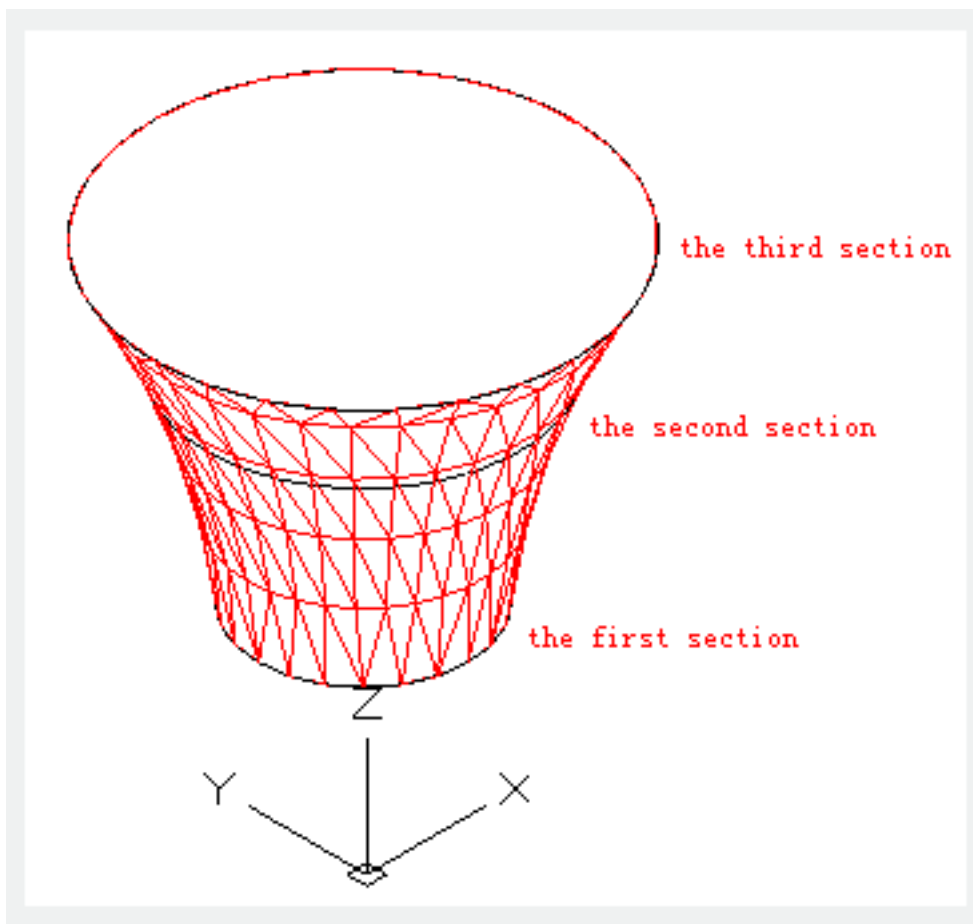
**Command** : LOFT

## Command Prompts:

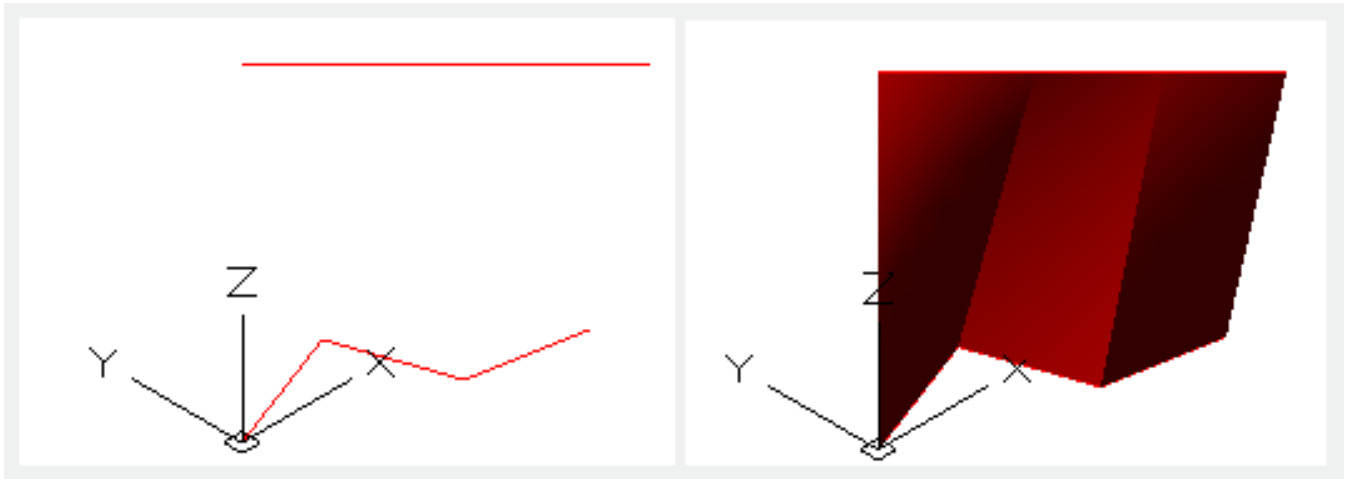
Select cross sections in lofting order: Enter an option [Guides/Path/Cross sections only] :

## Function Description:

Those cross sections determine the shape of 3D solid or surface and there must be at least two sections.



Lofting profile could be open or closed, planar or non-planar, and could also be edge of sub objects.



User could apply the LOFT command on the following objects or sub objects:

- 1.The following objects could be selected as cross sections: 2Dpolyline, spline, arc, elliptical arc, and line.
- 2.The following objects could be selected as path: 3Dpolyline, spline and line.
- 3.The following objects could be selected as guides: Spline and line. Users could set the DELOBJ system variable to delete cross sections, guides and path automatically.

### **Relative Glossary:**

#### **Select cross sections in lofting order:**

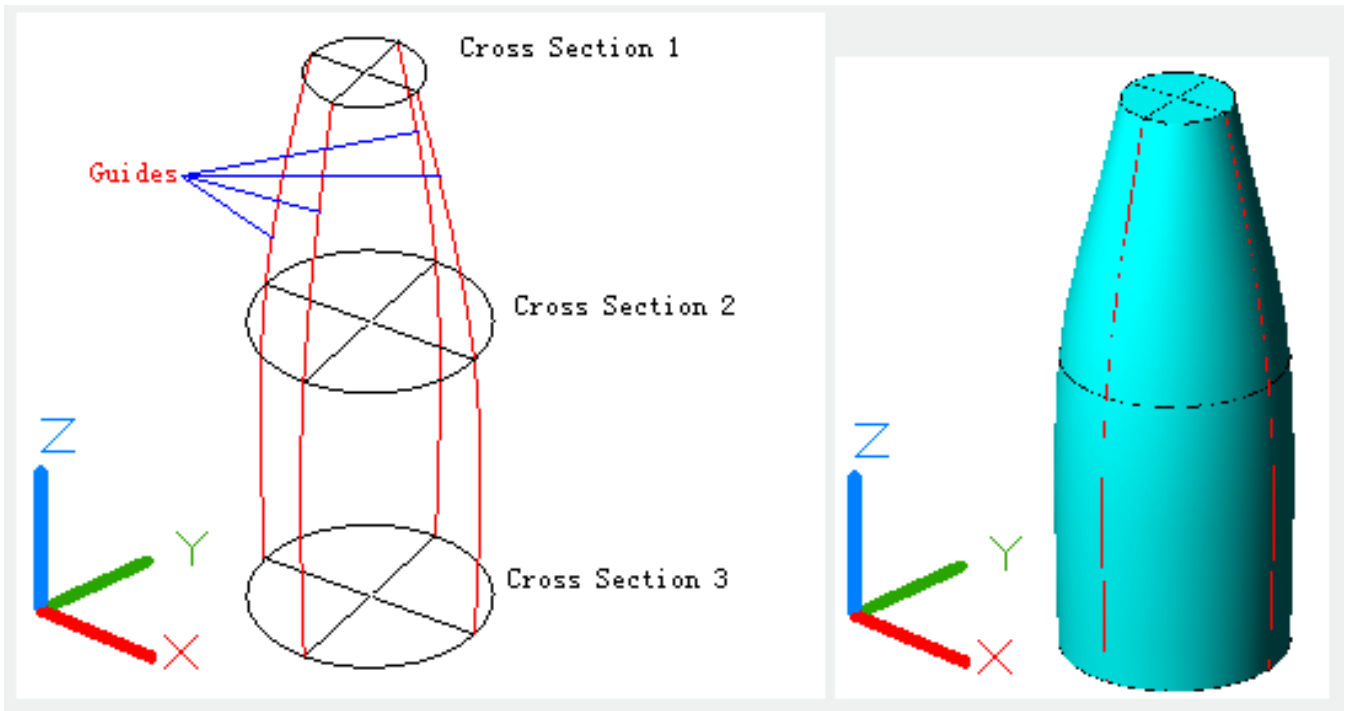
Specify open or close cross sections in lofting order.

#### **Guides:**

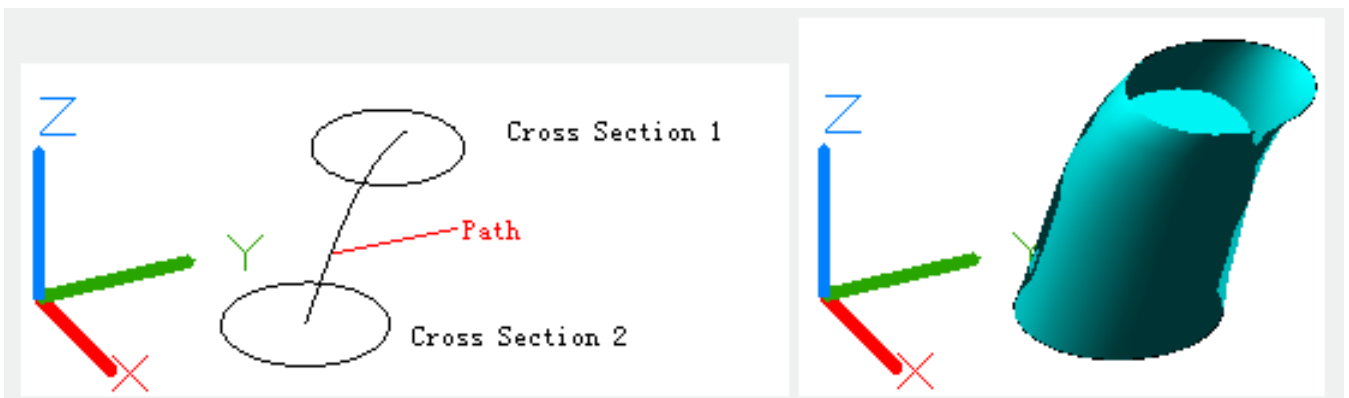
Specify loft guides to control solid or surface shape. Users could specify control points to match corresponding cross sections.

#### **Note:**

The guide surface must intersect with each cross section. The guide surface starts from the first cross section. The guide surface ends at the last cross section. Users could select a few guides for lofting surfaces or solids and press ENTER to finish



**Path:** Specify loft path for solid or surface. The path must intersect with planes of cross sections.



**Cross sections only:** Create loft by cross sections without guides or path.

Online URL: <https://www.kb2.gstarcad.com.my/article.php?id=2208>