



Metal Atoms and Amine Cap

Atom Species	Catalog No.	Bond Arrangement	Color	Bond Angle	van der Waals Radii,	Covalent Radii,		
						Single Bond	Double Bond	Triple Bond
Metal, Covalent	CGS-8075.79		Silver	90°	1.70	1.32	–	–
Metal, Ionic	CGS-8076.79		Silver	90°	1.46	1.32	–	–
Metal, All-Purpose	CGS-8077.79	Non-Specific	Silver	Non-Specific	–	–	–	–
Amine Cap	CGS-8078.79	–	Blue	–	–	–	–	–

Metal



Metal, Covalent

For chelates (Fe, Co, Ni, Cu) or for covalent octahedral bonds. Can also be used for planar configurations. Covalent radius 1.32Å; bond angle 90°; van der Waals radius 1.70Å. Silver.

Catalog No.	Product
CGS 8079.79	Metal, Covalent



Metal, Ionic

For ionic octahedral bonds. Can also be used for planar configurations. Covalent radius 1.32Å; bond angle 90°; van der Waals radius 1.46Å. Silver.

Catalog No.	Product
CGS 8080.79	Metal, Ionic



Metal, All Purpose

A sphere with a diameter corresponding to 2.7Å. Lines of longitude and latitude are embossed at 30° intervals over the surface of the sphere. An indent is at one pole of the sphere. With the aid of the lines of latitude and longitude, the user may orient the sphere in any direction required by a particular construction.

This metal atom has a special connector. It is the Metal Atom Connector Link, and consists of a connector link one-half the length of a normal link plus a self-tapping screw. A 1/16 inch hole must be drilled in the sphere in order to accommodate the self-tapping screw.

Two Metal Atom Connector Links are included with each Metal, All Purpose. Silver.

Catalog No.	Product
CGS 8081.79	Metal, All Purpose

Amine



Amine Cap

Hemisphere with hollow connector link inserted into flat face and small slot in curved surface. Blue.

The slot in the top of the Amine Cap accepts the bayonet of the H-Bond, Bayonet Type, Hydrogen for temporary connections and the H-Bond, Hook Type, Hydrogen, after the hook has been removed and replaced by a Screw for Amine Cap, for permanent connections.

The Amine Cap is also used with:

CGS 8082.79 Nitrogen Amide to convert to azo nitrogen

CGS 8083.79 Nitrogen, Aromatic-5 to convert to azo nitrogen

CGS 8084.79 Nitrogen, Aromatic-6 to convert to azo nitrogen

CGS 8085.79 Nitrogen, Tetrahedral to convert to amino nitrogen

CGS 8086.79 Nitrogen, Tetrahedral-4 to convert to trivalent nitrogen

Catalog No.	Product
CGS 8087.79	Amine Cap