



## Halogen Atoms

Atom Species	Catalog No.	Bond Arrangement	Color	Bond Angle	van der Waals Radii,	Covalent Radii,		
						Single Bond	Double Bond	Triple Bond
Bromide	CGS-8057.79	—Br	Brown	—	1.95	1.14	—	—
Chloride	CGS-8058.79	—Cl	Green	—	1.80	0.99	—	—
Fluoride	CGS-8059.79	—F	Pale Green	—	1.35	0.57	—	—
Iodide	CGS-8060.79	—I	Violet	—	2.15	1.35	—	—
Hydrogen	CGS-8061.79	—H	White	—	1.00	0.33	—	—
H-Bond Hook Type	CGS-8062.79	—H—	White	—	1.00	0.33	—	—
H-Bond Bayonet Type	CGS-8063.79	—H—	White	—	1.00	0.33	—	—
Phosphorus Tetrahedral	CGS-8064.79		Pale Yellow	109°30'	—	0.96	—	—
Sulfur Tetrahedral	—	—	—	—	1.70	—	—	—
Sulfur Digonal	CGS-8065.79		Yellow	104°	—	1.04	—	—



### **Bromide**

'Br' stamped near socket. Covalent radius 1.14Å along single bond. Brown.

<b>Catalog No.</b>	<b>Product</b>
CGS-8066.79	Bromide



### **Fluoride**

Covalent radius 0.57Å along single bond. Pale Green.

<b>Catalog No.</b>	<b>Product</b>
CGS-8068.79	Fluoride



### **Chloride**

'Cl' stamped near socket. Covalent radius 0.99Å along single bond. Green.

<b>Catalog No.</b>	<b>Product</b>
CGS-8067.79	Chloride



### **Iodide**

'I' stamped near socket. Covalent radius 1.35Å along single bond. Violet.

<b>Catalog No.</b>	<b>Product</b>
CGS-8069.79	Iodide