



Diamond	10	Jadeite	6-1/2-7	Psilomelane	5-1/2-6
Ruby	9	Jasper	6-1/2-7	Sodalite	5-1/2-6
Sapphire	9	Kornerupine	6-1/2-7	Brazilianite	5-1/2
Alexandrite	8-1/2	Peridot	6-1/2-7	Chromite	5-1/2
Chrysoberyl	8-1/2	Sard	6-1/2-7	Enstatite	5-1/2
Rhodozite	8	Tanzanite	6-1/2-7	Leucite	5-1/2
Spinel	8	Zoisite	6-1/2-7		
Taaffeite	8	Idocrase	6-1/2	Moldavite	5-1/2
Topaz	8	Saussurite	6-1/2	Natrolite	5-1/2
Yag	8	Sinhalite	6-1/2	Willemite	5-1/2
Aquamarine	7-1/2-8	Smaragdite	6-1/2	Scapolite	5-6-1/2
Beryl	7-1/2-8	Sillimanite	6-7-1/2	Cancrinite	5-6
Emerald	7-1/2-8	Cassiterite	6-7	Diopside	5-6
Gahnite	7-1/2-8	Epidote	6-7	Hypersthene	5-6
Painite	7-1/2-8	Hiddenite	6-7	Ilmenite	5-6
Phenacite	7-1/2-8	Kunzite	6-7	Lapis lazuli	5-6
Almandine	7-1/2	Amazonite	6-6-1/2	Lazulite	5-6
Andalusite	7-1/2	Aventurine		Tantalite	5-6
Euclase	7-1/2	Feldspar	6-6-1/2	Turquoise	5-6
Hambergite	7-1/2	Benitoite	6-6-1/2	Datolite	5-5-1/2
Uvarovite	7-1/2	Ekanite	6-6-1/2	Obsidian	5-5-1/2
Andradite	7-7-1/2	Labradorite	6-6-1/2	Sphene	5-5-1/2
Cordierite	7-7-1/2	Moonstone	6-6-1/2	Thomsonite	5-5-1/2
Danburite	7-7-1/2	Nephrite	6-6-1/2	Apatite	5
Garnet	7-7-1/2	Orthoclase	6-6-1/2	Augelite	5
Iolite	7-7-1/2	Petalite	6-6-1/2	Dioptase	5
Rhodolite	7-7-1/2	Prehnite	6-6-1/2	Glass	5
Staurolite	7-7-1/2	Pyrite	6-6-1/2	Hemimorphite	5
Tourmaline	7-7-1/2	Rutile	6-6-1/2	Smithsonite	5
Amethyst	7	Strontium		Wardite	5
Citrine	7	Titanate	6-6-1/2	Kyuanite	4-1/2-7
Dumortierite	7	Amblygonite	6	Apophyllite	4-1/2-5
Prasiolite	7	Bytownite	6	Scheelite	4-1/2-5
Rock Crystal	7	Sanidine	6	Zincite	4-1/2-5
Smoky quartz	7	Thulite	6	Colemanite	4-1/2
Rose quartz	7	Tugtupite	6	Kurnakovite	4-1/2
Tigers eye	7	Hematite	5-1/2-6-1/2	Purpurite	4-1/2
Zircon	6-1/2-7-1/2	Opal	5-1/2-6-1/2	Variscite	4-5
Agate	6-1/2-7	Rhodonite	5-1/2-6-1/2	Fluorite	4-4-1/2
Axinite	6-1/2-7	Tremolite	5-1/2-6-1/2	Barytocalcite	4
Chalcedony	6-1/2-7	Actinolite	5-1/2-6	Magnesite	4
Chloromelanite	6-1/2-7	Anatase	5-1/2-6	Rhodochrosite	4
Chrysoprase	6-1/2-7	Beryllonite	5-1/2-6	Dolomite	3-1/2-4-1/2
Demantoid	6-1/2-7	Elaeolite	5-1/2-6	Chalybite	3-1/2-4-1/2
Fossilized wood	6-1/2-7	Hauynite	5-1/2-6	Aragonite	3-1/2-4
Heliotrope	6-1/2-7	Periclase	5-1/2-6	Azurite	3-1/2-4

Cuprite	3-1/2-4
Chalcopyrite	3-1/2-4
Malachite	3-1/2-4
Sphalerite	3-1/2-4
Cerussite	3-1/2
Howlite	3-1/2
Witherite	3-1/2
Coral	3-4
Pearl	3-4
Anhydrite	3-3-1/2
Celestine	
(Celestite)	3-3-1/2
Barite	3
Calcite	3
Wulfenite	3
Jet	2-1/2-4
Crocoite	2-1/2-3
Garnierite	2-1/2-3
Phosgenite	2-1/2-3
Gaylussite	2-1/2
Proustite	2-1/2
Pseudophite	2-1/2
Serpentine	2-1/2
Chrysocolla	2-5-1/2
Ivory	2-4
Amber	2-3
Meerschaum	2-2-1/2
Alabaster	2-2-1/2
Ulexite	2
Vivianite	1-1/2-3
Stichtite	1-1/2-2-1/2
Sulphur	1-1/2-2