Class 4 Beryllium Copper (17200)

- **AMS 4651**
- **AMS 4725**
- **ASTM B194**
- **ASTM B196**
- **ASTM B197**
- **ASTM B570**
- **MIL C-21657**
- **SAE J461**
- **SAE J463**
- **UNS C17200**
- **Class 4 Copper**

Class 4 Alloy has extremely high hardness and ultimate tensile strength although the electrical conductivity is lower than the Class 3 Alloy

Class 4 Beryllium Copper (17200) is available in heat treatable tempers. Alloys are used in a wide range of applications requiring high strength and stiffness with good conductivity.

Typical uses include electrical/electronic connectors, current-carrying springs, precision screw machined parts, welding electrodes, bearings, plastic molds and corrosion resistant components.

CHEMICAL COMPOSITION

RWMA CLASS	RWMA NUMBER	DESCRIPTION	FE	W	CD	NI + CO	NI+CO +FE	CR	SI	BE	PB	ZR	AL	CU
4	17200	BERYLLIUM COPPER				.02 min	.06 max			1.80 –2.00				REM

PHYSICAL PROPERTIES

HARDNESS ROCKWELL C	CONDUCTIVITY % I.A.C.S.	YIELD STRENGTH KSI (5% EXT UNDER LOAD)	ULTIMATE TENSILE STRENGHT	ELONGATION % IN 2" OR 4" DIAMETERS
25 -32	22 – 28%	110	130	7%