

# Special Copper Alloy

# Silver Alloy

## Tellurium Bearing Copper

**Cast Product** Billet Ø150 max.  
**Wrought Product** Round bar, Flat bar, Bus bar  
**Specification** UNS C14500  
**Chemical Composition** Te:0.5~1.0%, O: $<$ 5ppm



Tellurium Bearing Copper

## Free Cutting Phosphor Bronze (Leaded Bronze)

**Cast Product** Round bar, Hollow bar Ø120max.  
**Specification** JIS BC1~BC7  
**Wrought Product** Round bar Ø4min.  
**Specification** JIS C5341, C5441  
**Chemical Composition** Cu, Sn, Zn, Pb according to JIS/ASTM



Free Cutting Phosphor Bronze Bar and Connector Part

## Phosphor Bronze

**Cast Product** Round bar, Hollow bar Ø120max.  
**Specification** JIS PBC2~PBC3  
**Wrought Product** Round bar Ø4min., Wire Ø2min.  
**Specification** JIS C5102, C5111, C5191, C5212  
**Chemical Composition** Cu, Sn, P according to JIS/ASTM



Phosphor Bronze Hollow Bar

## Aluminum Bronze Copper

**Cast Product** Round bar, Hollow bar Ø120max.  
**Wrought Product** JIS AIBC1~4  
**Chemical Composition** Cu, Al, Fe, Ni, Mn according to JIS/ASTM

## Phosphorized Copper

**Cast Product** Billet Ø150 max.  
**Wrought Product** Ball Ø55 max.  
**Chemical Composition** Cu>99.90%, P:0.04~0.07%, O: $<$ 5ppm



Beryllium Copper Bar and Strip

## Cupro Nickel

**Wrought Product** Round bar, Flat bar, Wire  
**Chemical Composition** Cu:80~90%, Ni:10~20%

## Beryllium Copper

**Wrought Product** Round bar, Wire  
**Specification** UNS 17200, 17300 etc.  
**Chemical Composition** Cu, Be, Co according to UNS NO.

## Brazing filler metal (flux free) Composition (%)

Type	Ag	Cu	Ni
KY780	72	28	
KY795	71.3	28	0.7
KY870	85	15	
KY900	56	42	2
KYFN	99.99		
KY550	50	50	

## Active filler metal Composition (%)

Type	Ag	Cu	Ni	Ti
KY ACI	70	27		3

## Clad metal Composition (%)

Type	Ag	Cu	Ni	Cd
KYFN	99.99			
KYST	92.5	7.5		
KYCO	90	10		
KY780	72	28		
KY101	97	1	1	1
KY010	90		10	
KY600	91	6	1	2
KY405	95.5	4	0.5	



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Brazed OFC Part