

# Extruded or Cast and Drawn Typical Uses

Copper Alloy UNS No.	Product Description	Architecture	Automotive	Builders Hardware	Consumer	Electrical	Fasteners	Industrial	Marine	Ordnance	Other	Plumbing
C14500	Tellurium Copper	fire protection				electrical connectors, motor parts, soldering copper, switch parts, transistor bases		forgings, furnace brazed articles, screw machine products, soldering tips, welding torch tips				fixtures, plumbing fittings, sprinkler heads
C23000	Red Brass 85%	etching parts, trim, weather strip		kick plates	badges, coinage, compacts, costume jewelry, dials, fire extinguisher cases, lipstick containers, medallions, nameplates, plaques, rouge boxes, tokens, zippers	conduit, rotor bars (AC motors), screw shells, sockets	eyelets, fasteners	condensor tubes, fire extinguishers, flexible metal hose, heat exchanger shells, heat exchangers, pickling crates, pump cylinder liners, radiator cores, tags, tubing for heat exchangers, tubing for instrumentation			fire hose couplings	fittings, j-bends, pipe, pipe nipples, pipe service lines, pump lines, service lines, traps
C24000	Low Brass 80%	medallions, ornamental components, spandrels		decorative panels	clock dials, musical instrument parts, plaques	battery caps, rotor bars for AC motors		flexible hose, flexible hose bellows, pump lines, welding wire			tokens	
C26000	Cartridge Brass 70%	grillwork	odometer contacts, heater cores, thermostats, electrical connectors, radiator cores, radiator tube, radiator tanks, tanks	locks, push plates, finish hardware, kick plates, decorative hardware, door knobs, hinges	snaps, planters, fireplace screens, etched articles, bird cages, coinage, chain links, pen/pencil inserts and clips, syringe parts, watch parts, costume jewelry, buttons, shells, electrical sockets, lamps	terminal connectors, flashlight shells, lamp fixtures, reflectors, screw shells	pins, rivets, fasteners, grommets, eyelets, screws	air pressure conveyer systems, sound proofing equipment, springs, chain, bead chain, tubing for instruments and machines, heat exchangers, pump cylinders, wire screens, pumps, liners, power cylinders		ammunition cartridge cases, mechanical housings for lighters, mechanical housings for ammunition	stencils, washers	fittings, bathroom fixtures, plumbing accessories, faucet escutcheons, traps, plumbing brass goods
C31400	Leaded Commercial Bronze			door knobs		electrical plug type connectors, connectors for wire and cable	nuts, screws	pickling crates, pickling fixtures, pickling racks, screw machine parts				
C31600	Leaded Commercial Bronze (nickel- bearing)			hardware		connectors	fasteners, nuts, screws	screw machine parts				
C46400	Naval Brass, Uninhibited			lock pins		precision shipboard equipment	bolts, nuts, rivets	aircraft turnbuckle barrels, balls, bearings, bushings, condenser plates, dies for golf ball production, heat exchanger tubes, hub cones, pressure vessels, structural uses, valve stems, welding rod	decorative fittings, hardware, propeller shafts, shafting, turnbuckles	missile components	baffle plates and flanges	fittings
C51000	Phosphor Bronze 5% A	bridge bearing plates				resistance wire, fuse clips, electromechanical spring components, electrical flexing contact blades, electrical connectors, electronic connectors, wire brushes, switch parts, electronic and precision instrument parts	fasteners, cotter pins, lock washers	bourdon tubes, bellows, perforated sheets, chemical hardware, truss wire, springs, sleeve bushings, diaphragms, clutch disks, pressure responsive elements, beater bar, textile machinery, welding rods				

## Extruded or Cast and Drawn Typical Uses (continued)

Copper Alloy UNS No.	Product Description	Aerospace	Automotive	Electrical	Industrial	Marine	Oil and Gas	Other
C67410	Manganese Bronze				bushings, cams, chain guides, food conveyor chain, gears, shafts, wear plates			connecting rods
C67600	Manganese Bronze				gate valve stems, valve balls, welding rod			
C69300	Lead-Free Brass		fluid connectors, sensor bodies, thermostat parts					
C69400	Silicon Red Brass				valve stems			
C69430	Silicon Red Brass				valve stems			
C72900 (AMS 4596)	Copper Nickel-Tin Bronze	landing gear bushings and bearings, control surface and actuator bushings and bearings, wing flap bearings, wheel bearings, brakes, door hardware, hydraulic actuators, valves, steering joints, helicopter controls, compression fit airframe fasteners, electronic system connectors		connectors, contacts, controls, miniaturized sockets, relay elements, switches	springs, wire	marine components	bushings, bearings, drilling components, sucker rod, valve guide bushing couplings	
C72900 (AMS 4597)	Copper Nickel-Tin Bronze	landing gear bushings and bearings, control surface and actuator bushings and bearings, wing flap bearings, wheel bearings, brakes, door hardware, hydraulic actuators, valves, steering joints, helicopter controls, compression fit airframe fasteners, electronic system connectors		connectors, contacts, controls, miniaturized sockets, relay elements, switches	springs, wire	marine components	bushings, bearings, drilling components, sucker rod, valve guide bushing couplings	
C72900 (AMS 4598)	Copper Nickel-Tin Bronze	landing gear bushings and bearings, control surface and actuator bushings and bearings, wing flap bearings, wheel bearings, brakes, door hardware, hydraulic actuators, valves, steering joints, helicopter controls, compression fit airframe fasteners, electronic system connectors		connectors, contacts, controls, miniaturized sockets, relay elements, switches	springs, wire	marine components	bushings, bearings, drilling components, sucker rod, valve guide bushing couplings	