

Cast Application Cross Reference

Application	Recommended Alloys (Copper Alloy UNS No.)				
Agricultural machinery	C94100				
Air compressor wrist pin bushings	C90300				
Aircraft accessory drives	C90700				
Aircraft control bushings	C93700				
Aircraft landing gear bushings	C90300				
Aircraft-carburetor bearings	C94300				
Automotive spindle bushings	C92700				
Automotive transmission thrust washers	C83600				
Backs for lined bearings	C93800	C93700	C93600		
Bearings for earth moving machines	C92700				
Boring bar guide bushings	Aluminum Bronzes				
Brass and copper rolling-mill neck bearings	C93800				
Bridge bearings	C90700	C90300			
Cam bearings	Aluminum Bronzes				
Cam bushings for diesel engines	C93700	C93200	C93600		
Cam bushings for farm equipment	C93700				
Cam bushings for mechanical devices	C93700				
Clutch pilot bushings	C90500				
Connecting-rod bushings for farm equipment	C93700	C92700			
Cornpicker snapping roll bushings	C83600				
Cranes and hoist bearings	C94100				
Crankshaft bushings for farm equipment	C93700				
Crankshaft main bearings	C93600	C93700			
Deep-well pump-line shaft bearings	C83600	C89320			
Deep-well pump-bowl bushings	C93800	C93600			
Drum bushings for cranes	C93800				
Drum bushings on earthmoving machinery	C93800				
Earthmoving equipment bushings	Aluminum Bronzes				
Electric-motor bushings	C937000	C93200	C94100	C93600	C94100
Elevators	C94100				
Fire pump bushings	C94300				
Freight and streetcar bearings	C93800				
Fuel and water-pump bushings	C93700				
Garden tractors	C93700				
Gas, gasoline and diesel engine bearings	C93800				
Gasoline pump bearings	C93800				
Gear bushings for farm equipment reducers	C93700	C92700			
Gear bushings for motorcycles	C93700				
Generator and distributor bushings	C93200				
Guide bushings for piston rods	C93200	C89320	C93600		
Guide bushings for rams	C93200	C89320	C93600		
Guide bushings for valves	C93200	C89320	C93600		
Guide post bushings	Aluminum Bronzes				
Heavy earthmoving equipment bushings	Aluminum Bronzes				
Hydraulic glands seals	C93800	C89320			
Hydraulic pump bushings	C94300	AMS4880-C95510			
King pin bushings for off-highway equipment	C93800				
Landing gear bushings and bearings	AMS4880-C95510				
Lathe bearings	C93700				
Linkage bushings for machine tools and presses	C90500	C93700			
Locomotive bearing parts	C94300	C92700	C93600		
Low-pressure valve bearings	C83600	C89320			



Cast Application Cross Reference (continued)

Application	Recommended Alloys (Copper Alloy UNS No.)				
Machine tool bearings	C94100	C90700	Aluminum Bronzes	C90300	
Main bearings for presses	C93200				
Main bearings for refrigeration compressors	C94300				
Manifold bushings for earthmoving machinery	C83600				
Marine equipment	C90700				
Mechanical linkage bushings for farm and material handling equipment	C93200	C93600	C89320		
Mechanical linkage for farm equipment and packaging machinery	C92700				
Motorcycle-engine bearings	C93200				
Outboard motor crankshaft bearings	C93700				
Piston pin bushings	C90500	C93600	C93700 (Diesels)		
Piston pins for packaging equipment	C93700				
Power lawnmower bushings	C93700				
Power shovel bushings	Aluminum Bronzes				
Propeller bushings	C83600				
Pump sleeves	C83600	C89320			
Rail and heavy equipment trunnion bearings	C93700				
Railroad car wheel bearings	C93700	C93800	C94300		
Reduction-gear pinion bearings	C94100				
Rod bushings	C93800	C93600			
Rod bushings for refrigeration compressors	C94300				
Roll bushings	C90500				
Roll neck bearings in rolling mills	C97300	Aluminum Bronzes			
Roller bushings for conveyors	C93200				
Rolling mill bearings	C90500	C93800	C93700		
Seals	C93800	C89320			
Sleeve bushings for cranes and draglines	C93200	C93600			
Spacer bushings and bearing for pumps	C93800	C89320	C93600		
Speed reducers bearings	C93700				
Spindle bushings for farm equipment and trucks	C93700	C893200			
Spindles and connecting rods in farm equipment	C93700				
Spring bushings for farm and automotive equipment	C93600				
Spring-shackle bushings	C93200				
Starter motor bushings	C93200				
Steel mill equipment	C90700	C93600			
Steering-knuckle bushings	C93700				
Supercharger bushings	C94100				
Textile machinery bushings	C94100				
Thrust washer and components for chemical process equipment	C93600				
Torque-tube bushings	C93200				
Track-roller bushings for crawler tractors	C93700	C93200			
Trolley wheel bushings	C90300				
Trunnion bearings	C90300	C92700	C93700		
Turbocharger spindle bushings (floating type)	C94100	C89320			
Turntable bushings	Aluminum Bronzes				
Valve guides	C90500				
Valve rocker arm bushings	C93700				
Valve stem nuts	Aluminum Bronzes				
Water-lubricated bushings	C94300				
Wrist-pin bushings	C93700	C93600	C89320		