



TYPICAL USES

- Architecture** Grillwork
- Automotive** Odometer Contacts, Heater Cores, Thermostats, Electrical Connectors, Radiator Cores, Radiator Tube, Radiator Tanks, Tanks
- Builders Hardware** Locks, Push Plates, Finish Hardware, Kick Plates, Decorative Hardware, Door Knobs, Hinges
- Consumer** 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
- Electrical** Terminal Connectors, Flashlight Shells, Lamp Fixtures, Reflectors, Screw Shells
- Fasteners** Pins, Rivets, Fasteners, Grommets, Eyelets, Screws
- Industrial** Air Pressure Conveyor systems, Sound Proofing Equipment, Springs, Chain, Bead Chain, Tubing for Instruments and Machines, Heat Exchangers, Pump Cylinders, Wire Screens, Pumps, Liners, Power Cylinders
- Ordnance** Ammunition Cartridge Cases, Mechanical Housings for Lighters, Shells - Mechanical Housings for Ammunition, Ammunition
- Other** Stencils, Washers
- Plumbing** Fittings, Bathroom Fixtures, Plumbing Accessories, Faucet Escutcheons, Traps, Plumbing Brass Goods

- Bronze Family:** Brass
- Tempers:** H01 QUARTER HARD, H02 HALF HARD, H04 HARD
- Solids:** 3/8" to 2.5" OD
- Hex:** 3/8" to 2" OD
- Rectangles:** Consult Mill
- Standard Lengths:** 144"

SIMILAR OR EQUIVALENT SPECIFICATION

CDA	ASTM	ASARCON	SAE	AMS	FEDERAL	INGOT	MILITARY	OTHER
C26000	ASTM B927		SAE J461 SAE J463				MIL-V-18436	Leaded Commercial Bronze

CHEMICAL COMPOSITION

Alloy	Cu%	Pb%	Zn%	Fe%
C26000	68.50- 71.50	0.07	Remainder	0.05

Chemical Composition according to ASTM B927-08a

Note: Single values represent maximums.

MACHINABILITY

ALLOY: C26000 CONTINUED

Alloy	Machinability Rating	Density (lb/cu in.)
C26000	30	0.308

MECHANICAL PROPERTIES

Mechanical Properties according to ASTM B937-08a

C26000

HO1 QUARTER HARD TEMPER

SIZE RANGE: UNDER 1/2" DIAMETER

Tensile Strength, min		Yield Strength, at .5% extension under load min		Elongation in 2 in. or 50 mm min, %	Brinell Hardness, min	Remarks
ksi	MPa	ksi	MPa			
50	345	30	205	20	N/A	

SIZE RANGE: OVER 1/2" DIAMETER TO 1" INCLUSIVE

Tensile Strength, min		Yield Strength, at .5% extension under load min		Elongation in 2 in. or 50 mm min, %	Brinell Hardness, min	Remarks
ksi	MPa	ksi	MPa			
48	330	25	170	24	N/A	

SIZE RANGE: OVER 1"

Tensile Strength, min		Yield Strength, at .5% extension under load min		Elongation in 2 in. or 50 mm min, %	Brinell Hardness, min	Remarks
ksi	MPa	ksi	MPa			
46	315	20	140	28	N/A	

**C26000
H02 HALF HARD TEMPER**
SIZE RANGE: UNDER 1/2" DIAMETER

Tensile Strength, min		Yield Strength, at .5% extension under load min		Elongation in 2 in. or 50 mm min, %	Brinell Hardness, min	Remarks
ksi	MPa	ksi	MPa			
57	395	35	240	15	N/A	

SIZE RANGE: 1/2" DIAMETER TO 1" INCLUSIVE

Tensile Strength, min		Yield Strength, at .5% extension under load min		Elongation in 2 in. or 50 mm min, %	Brinell Hardness, min	Remarks
ksi	MPa	ksi	MPa			
54	370	32	220	20	N/A	

SIZE RANGE: OVER 1" DIAMETER

Tensile Strength, min		Yield Strength, at .5% extension under load min		Elongation in 2 in. or 50 mm min, %	Brinell Hardness, min	Remarks
ksi	MPa	ksi	MPa			
50	345	30	205	25	N/A	

**C26000
H04 HARD TEMPER**
SIZE RANGE: UNDER 1/2" DIAMETER

Tensile Strength, min		Yield Strength, at .5% extension under load min		Elongation in 2 in. or 50 mm min, %	Brinell Hardness, min	Remarks
ksi	MPa	ksi	MPa			
70	485	50	345	10	N/A	

SIZE RANGE: 1/2" DIAMETER TO 1" INCLUSIVE

Tensile Strength, min		Yield Strength, at .5% extension under load min		Elongation in 2 in. or 50 mm min, %	Brinell Hardness, min	Remarks
ksi	MPa	ksi	MPa			
65	450	45	310	15	N/A	

SIZE RANGE: OVER 1" TO 2" INCLUSIVE

Tensile Strength, min		Yield Strength, at .5% extension under load min		Elongation in 2 in. or 50 mm min, %	Brinell Hardness, min	Remarks
ksi	MPa	ksi	MPa			
60	415	40	275	20	N/A	

*NOTE - FOR SIZES LARGER THAN 2" DIAMETER THE MINIMUM MECHANICAL PROPERTIES MUST BE AGREED UPON BETWEEN THE MANUFACTURER AND THE PURCHASER.