

## Brass

# bedra 26200

### Material Designation\*

UNS	C26200
EN	CuZn33 (CW 506 L)
JIS	C2600
GB	H68

### Chemical Composition

Cu	67-70	%
Zn	Balance	%



### Characteristics

It has good plasticity, high strength, good machinability and strong corrosion resistance. It is easy to be welded.

### Typical Applications

It is suitable for all kinds of complex cold stamping parts and deep drawing parts, plugs, radiator housings, wave guides, bellows, etc.

### Physical Properties

Density <sup>①</sup>	8.53	g/cm <sup>3</sup>
Electrical conductivity <sup>①</sup>	28	%IACS
Thermal conductivity <sup>①</sup>	121.2	W/(m·K)
Coefficient of thermal expansion <sup>②</sup>	19.2	10 <sup>-6</sup> /K
Modulus of elasticity	110	GPa

Note①: Temperature for testing is 20°C.

Note②: Temperature range for testing is 20-300°C.

### Fabrication Properties

Cold workability	Excellent
Hot workability	Fair
Brazing	Excellent
Machinability Compared with C36000	20%

# bedra 26200

## Mechanical Properties

Diameter	Temper	Tensile Strength	Yield Strength	Elongation	Hardness
mm		MPa min.	MPa min.	% min.	HV min.
3 < $\Phi$ ≤ 12	H02	355	230	14	105
12 < $\Phi$ ≤ 18	H02	340	220	16	90
3 < $\Phi$ ≤ 12	H04	590	450	--	170
12 < $\Phi$ ≤ 18	H04	490	350	--	140

## Tolerance and Delivery Form

### Straight Bar

Diameter	Tolerance <sup>③</sup>	Ovality	Length		Straightness
mm	mm	mm	mm max.	ft max.	mm/m max.
2 ≤ $\Phi$ < 3	0.03	0.0075	2500	8.2	1.0
3 ≤ $\Phi$ < 6	0.04	0.01	2500	8.2	0.5
6 ≤ $\Phi$ < 10	0.06	0.015	4000	13.1	0.5
10 ≤ $\Phi$ < 18	0.08	0.02	4000	13.1	0.5
18 ≤ $\Phi$ < 25	0.12	0.03	4000	13.1	0.5
25 ≤ $\Phi$ < 40	0.20	0.05	4000	13.1	0.5
40 ≤ $\Phi$ < 60	0.30	0.075	4000	13.1	0.5
60 ≤ $\Phi$ < 80	0.60	0.15	3000	9.8	3.0
80 ≤ $\Phi$ < 100	1.60	0.40	2000	6.6	5.0
100 ≤ $\Phi$ ≤ 120	2.00	0.50	1500	4.9	6.0

Note③: The tolerances listed in the table are specified as all plus or all minus. When tolerances are specified as plus and minus ( $\pm$ ), half the values given.

\*Composition UNS  
 Conductivity UNS  
 Mechanical Properties For reference only, measured at room temperature, 68°F(20°C).  
 Fabrication Properties UNS, Machinability for reference only.  
 Other Physical Properties For reference only

The datasheet is for your general information only and is not subject to revision. No claim can be derived from it unless is evidence of intent or gross negligence. The data given is with reference to the relevant standards as ASTM, BS EN, JIS, RWMA, SAE and is for reference only, no warranty can be derived from the data provided. The given info may not replace the customers' own tests.