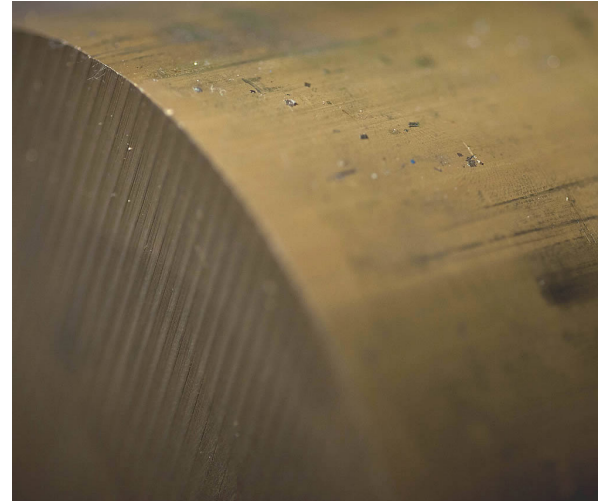


## Leaded Gunmetal Bronze

### Combining outstanding machining capabilities with moderate strength.

Known as a leaded gunmetal bronze, **LG2 (CC491K)** promotes a variety of attractive performance characteristics. The alloy has outstanding machining properties while offering superior corrosion and wear resistance. With medium strength and resistance to dezincification, LG2 offers reasonable protection from the effects of corrosion in saltwater and brine environments. The alloy is ideally suited to the production of bearings which function under light loads and up to medium speeds. Increased lead content gives the material enhanced machining characteristics when compared to other bronze alloys.



### Key Features

- Outstanding machinability
- Moderate strength
- Good corrosion resistance
- Resistant to dezincification
- Good pressure tightness

### Applications

- Superheated steam applications
- Pressure tight pumps and valves
- General bearings
- Architectural trims
- Pump impellers

### Chemical Composition (weight %)

	Cr	Pb	Zn	Ni	P	Sn	Cu		
Min		4.0	4.0			4.0			
Max	0.1	6.0	6.0	2.0	0.01	6.0	Bal		

### Mechanical Properties (typical)

Tensile Strength	0.2% Proof Stress	Elongation A50mm	Brinell Hardness
230 N/mm <sup>2</sup>	110 N/mm <sup>2</sup>	10%	65 HB

LG2 (CC491K) is available in rod, bar, flat, square and shapes including angles and T sections.

#### UK Service Centres:

Smiths Belfast	02895 908 897	Smiths Leeds	0113 307 5167
Smiths Biggleswade	01767 604 704	Smiths Manchester	0161 794 8650
Smiths Birmingham	0121 728 4940	Smiths Norwich	01603 789 878
Smiths Bristol	0117 971 2800	Smiths Nottingham	0115 925 4801
Smiths Chelmsford	01245 466 664	Smiths Redruth	01209 315 512
Smiths Gateshead	0191 469 5428	Smiths Verwood	01202 824 347
Smiths Horsham	01403 261 981	Main Office	0845 527 3331

#### Quality & Testing:



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