

# RG7 (CC493K)

## Product Datasheet



Tin Bronze

Service. Quality. Value.

## Tin Bronze Alloy

A gunmetal alloy which is ideal for slide bearings & sliding parts.

RG7 (CC 493K) is a tin bronze product and one of the most commonly available bronze alloys due to the materials excellent all-round capabilities.

Offering good dry running characteristics and pressure-tightness, RG7 is easy to machine and finds use in the production of slide bearings and bearing bushes. The alloy provides adequate corrosion resistance, including saltwater environments. RG7 is soft solderable (hard solderability is possible but limited).



### Key Features

- Good dry running qualities
- Good corrosion resistance
- Good pressure tightness
- Easy to machine
- Excellent all-round product

### Applications

- Slide bearings, sliding parts
- Bearing bushes
- Valve and pump housings
- Steam fittings
- Standard bearings

### Chemical Composition (weight %)

	Cu	Sn	Zn	Pb
Min	81.0	5.2	2.0	5.0
Max	86.0	8.0	5.0	8.0

### Mechanical Properties (typical)

Yield Strength	Tensile Strength	Elongation in % A5	Brinell Hardness
120 N/mm <sup>2</sup>	260 N/mm <sup>2</sup>	12%	70 HB

RG7 (CC493K) is available in solid round bar, tube, square, flat and hexagon bars.

#### 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:



www.smithmetal.com info@smithmetal.com

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