

## Technical Data Sheet

# AMPCO<sup>®</sup> 26

## Centrifugal Castings



### Nominal composition:

(not published)

Mechanical and physical properties	Units	Nominal Values
Brinell hardness	BHN 30	418
Rockwell hardness	HRC	43
Compressive strength $R_{mc}$	KSI	220
Compressive strength, 0.1 % perm. set	KSI	100
Density $\rho$	LBS / IN <sup>3</sup>	0.247
Coefficient of expansion $\alpha$	IN / IN / °F	$9 \cdot 10^{-6}$
Thermal conductivity $\lambda$	CGS	0.078
Electrical resistivity $\gamma$ (1 mm <sup>2</sup> section)	Microhms/ Meter	250
Electrical conductivity	% I.A.C.S.	8
Specific heat $c_p$	BTU / LB. °F	0.1

Assurances given with respect to properties or uses are subject to written approval from AMPCO METAL.

AMPCO<sup>®</sup> 26 is a patented hard grade aluminium bronze. Its exceptional hardness makes it a unique material. However, this extreme hardness means fragility and machinability difficulties. This alloy has very limited uses and machinability, but it gives exceptional results.

### APPLICATIONS:

Stainless steel drawing dies, forming rolls under great stresses and extreme pressures are the most typical applications for this alloy.