

# Technical Data Sheet

## **AMPCO<sup>®</sup> 26**

### Forgings

**Nominal composition:**

(not published)

<b>Mechanical and physical properties</b>	<b>Units</b>	<b>Nominal Values</b>
Brinell hardness	HBW 10/3000	420
Rockwell hardness	HRC	44
Compressive strength $R_{mc}$	MPa	1608
Compressive strength, 0.1 % perm. set	MPa	715
Density $\rho$	g / cm <sup>3</sup>	6.84
Coefficient of expansion $\alpha$	10 <sup>-6</sup> / K	16
Thermal conductivity $\lambda$	W / m · K	33
Electrical conductivity $\gamma$	m / $\Omega$ · mm <sup>2</sup>	4
Electrical conductivity	% I.A.C.S.	8
Specific heat $c_p$	J / g · K	0.42

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.