

BAR & GAUGE APPARATUS - heat expansion

Cat: HL0210-001 brass bar & gauge

DESCRIPTION:

Standard pattern Bar and Gauge apparatus. The brass bar is sized to fit the brass gauge accurately for both length and diameter so that if the bar is far hotter than the gauge or the gauge is far cooler than the bar, the bar will not fit the gauge in either diameter or length. When both are the same temperature, the bar will fit the gauge correctly.

If the bar is at room temperature (or preferably warmer) and the gauge is cooled in iced water, the bar will no longer fit the gauge (or it will be tighter fit). If the bar is heated to a higher temperature and the gauge is at room temperature, the bar will no longer fit the gauge.

The bar is provided with a rod and handle for supporting the bar while it is being heated.

HL0210-001 brass bar & gauge



Physical size:

Weight: kg

CAUTION:

- ALWAYS provide supervision when this equipment is being used.
- Never overheat the bar. The bar needs to be hot, but over a flame it will heat quickly. Try the fit of the bar into the gauge from time to time and do not heat to a higher temperature than necessary.
- Always have an insulated mat on the bench to avoid damaging the bench. Do not allow anyone to touch the bar until it has cooled.

Designed and manufactured in Australia by Industrial Equipment and Control Pty Ltd

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Scientrific Pty Ltd

ABN 55 056 072 694

PO Box 420 Yamba NSW 2464
Phone (02) 6645 8111 Fax (02)66458125