

1.103 CIVIL ENGINEERING MATERIALS LABORATORY (1-2-3)

TENSILE TESTING AND STRESS STRAIN PROPERTIES OF STEEL

DATA SHEET

DATE 2/04 All dimensions in mm Group No. A1 Lab No. #3

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<u>Device</u>	<u>Force</u>	<u>Actuator Disp.</u>	<u>Extensometer</u>
<i>Calibration Factor</i>	<u>12.5 KN/V</u>	<u>12.7 mm/V</u>	<u>5% /V</u>
<i>DAQ Channel</i>	<u>4</u>	<u>3</u>	<u>2</u>
<i>Input Voltage</i>	<u>1.000</u>	<u>1.000</u>	<u>1.000</u>

Calibration Reference Point 2.54 @ 0.00 V

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Material Type Free Brass Gauge Length 57.6 File Name albrass

Diameter 5.93 , 5.99 , _____ = _____

Zero Load 0.00 Zero Actuator Disp. _____ Zero Extensometer _____

Diameter of Neck 4.34 Final Length 66.88

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Material Type Aluminum Gauge Length 57.5 File Name alaluminum

Diameter 6.1 , 6.0 , _____ = _____

Zero Load 0.00 Zero Actuator Disp. _____ Zero Extensometer _____

Diameter of Neck 4.41 Final Length 64.5

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Material Type Wood Gauge Length 65.0 File Name alwood

Diameter 6.42 , 6.36 , 6.38 , _____ = _____

Zero Load 0.00 Zero Actuator Disp. _____ Zero Extensometer _____

Diameter of Neck 6.25 Final Length 70.07

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Material Type _____ Gauge Length _____ File Name _____

Diameter _____ , _____ , _____ = _____

Zero Load _____ Zero Actuator Disp. _____ Zero Extensometer _____

Diameter of Neck _____ Final Length _____

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