

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

TENSILE TESTING AND STRESS STRAIN PROPERTIES OF STEEL

DATA SHEET

DATE 3/03/04 All dimensions in mm Group No. B1 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 Plastic Gauge Length 63.4 File Name B1plastic
Diameter 12.88 , 12.92 , 12.89 , 12.93 = _____
Zero Load 0.00 Zero Actuator Disp. _____ Zero Extensometer _____
Diameter of Neck 4.8 Final Length 104.33

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Material Type Glass Gauge Length 54.66 File Name B1glass
Diameter 5.92 , 5.92 , 5.95 , 5.87 = _____
Zero Load 0.00 Zero Actuator Disp. _____ Zero Extensometer _____
Diameter of Neck 6.00 Final Length 52.07

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Material Type Brass Gauge Length 57.88 File Name B1brass
Diameter 6.00 , 5.97 , 5.99 , 6.00 = _____
Zero Load 0.00 Zero Actuator Disp. _____ Zero Extensometer _____
Diameter of Neck 4.31 Final Length 67.6

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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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