

H. B. Carr

Burlington

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E. L. Kanyok

Burlington

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Answer to Question #7 of J. C. Hahn's Memo

One turnbuckle is used for both homopolymer and copolymer testing at Burlington. The position of the turnbuckle is changed for the desired sensitivity range. The range is as follows:

Forward knife edge	-	1:1	Ratio
Center knife edge	-	1:2.5	Ratio
Rear knife edge	-	1:5	Ratio

To use one turnbuckle it is necessary to install the roller head and place the turnbuckle on the rear knife edge (1:5 Ratio). Place the sliding zero suppression weight to the rear-most position (marked with "0" on the shaft), turn on the instrument and adjust the counterweights until the pointer indicates zero on the scale. When the scale is on zero adjust the recorder pen to read zero.

To change from the roller head to the sigma head, it is only necessary to change the position of the turnbuckle to the forward knife edge (1:1 Ratio).


E. L. Kanyok

ELK/rjl