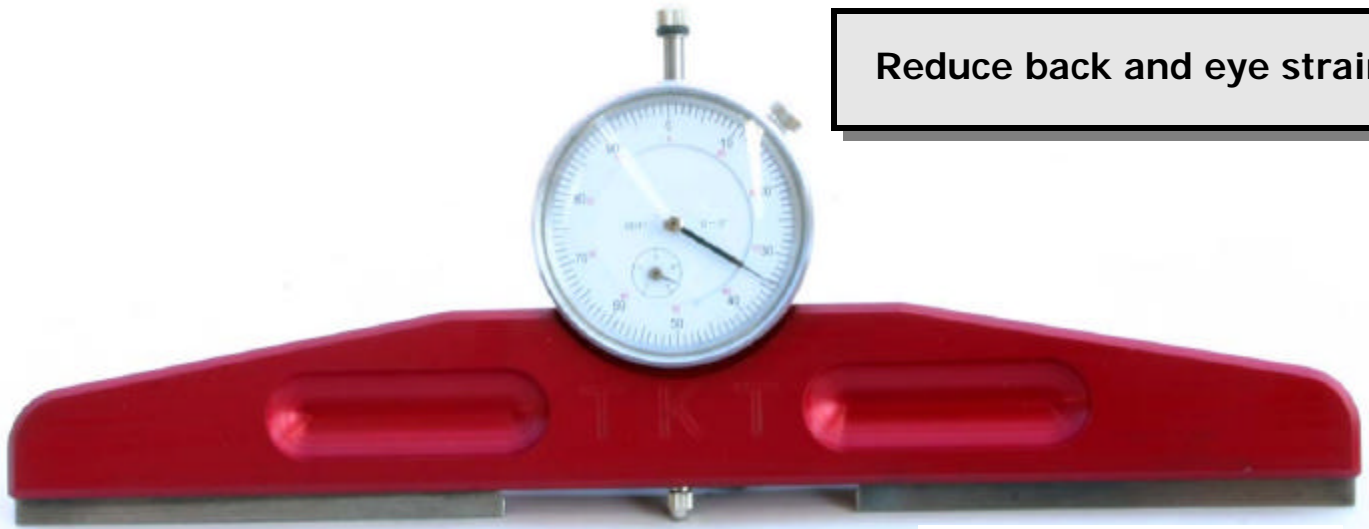


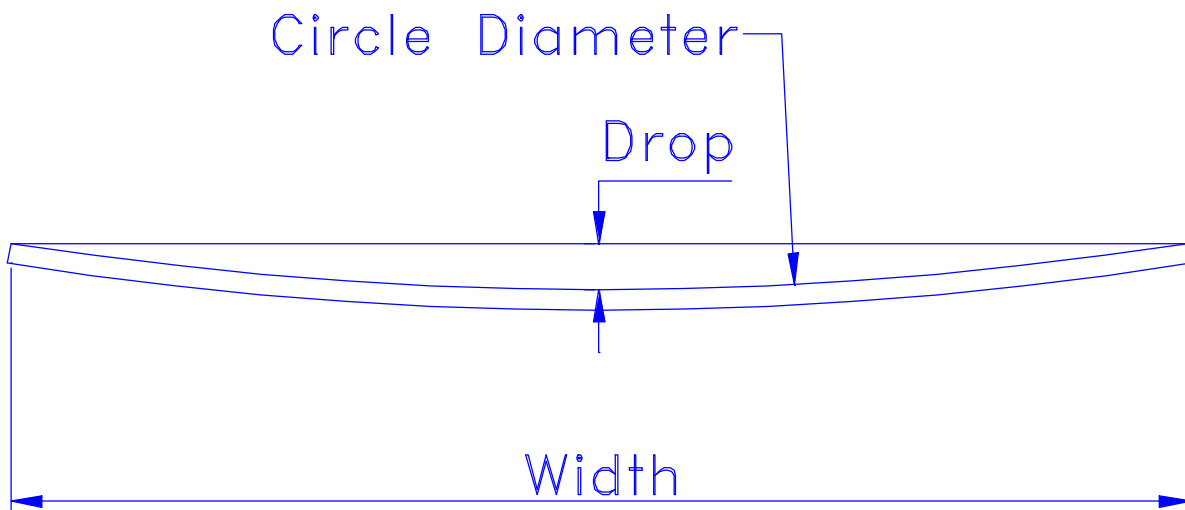
# Allen Gauge

*An instrument for measuring saw tension*



Reduce back and eye strain

Hardened Steel Blades



**Measure saw tension accurately and consistently**

# Allen Gauge

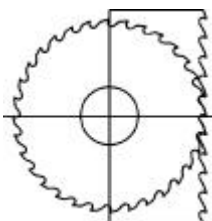
Every filer reads a circle gauge differently. Some work to a black gauge, most work to a little bit of light under the gauge. This leads to differences in tension that effects saw performance.

Research shows that consistent tensioning around the blade is more important than how much tension is used. Although the Allen Gauge will not replace circle gauges, it does measures the tension drop better and more consistently than traditional methods using circle gauges.

The Allen Gauge can be used for bandsaws and circular saws.

This instrument was originally designed by Ed Allen, the developer of the Letson & Burpee high-strain bandmill.

Allen Tension Gauge Circle Gauge Drop							
Note: The theoretical drop is more that what will be typically measured because the tires of a bandsaw drop away from the gauge, so the blade shape s not a perfect circle. The "Width" is the distance between the tire lines. Whatever the amount of the drop, the goal is consistency of tension around the saw.							
Gauge Diameter (Feet)	Drop (inch)						
	Width (inch)						
	6	6.5	7	7.5	8	8.5	9
120	0.006	0.007	0.009	0.010	0.011	0.013	0.014
100	0.008	0.009	0.010	0.012	0.013	0.015	0.017
80	0.009	0.011	0.013	0.015	0.017	0.019	0.021
60	0.013	0.015	0.017	0.020	0.022	0.025	0.028
50	0.015	0.018	0.020	0.023	0.027	0.030	0.034
45	0.017	0.020	0.023	0.026	0.030	0.033	0.038
40	0.019	0.022	0.026	0.029	0.033	0.038	0.042
35	0.021	0.025	0.029	0.033	0.038	0.043	0.048
30	0.025	0.029	0.034	0.039	0.044	0.050	0.056



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