

Tension Gauge Calibration Jig

*An instrument for calibrating
straight edges and tension gauges*

**Accurate
Saves time
Easy to use**



**Ensure that your gauges are true and consistent
Check accuracy of gauge grinder**

Tension Gauge Calibration

Gauge Diameter (ft)	Indicator Reading (inch)			
	Distance Between Pins (inch)			
	5.657	6.928	8.000	9.798
30	0.0222	0.0333	0.0444	0.0667
35	0.0190	0.0286	0.0381	0.0571
40	0.0167	0.0250	0.0333	0.0500
45	0.0148	0.0222	0.0296	0.0444
50	0.0133	0.0200	0.0267	0.0400
55	0.0121	0.0182	0.0242	0.0364
60	0.0111	0.0167	0.0222	0.0333
65	0.0103	0.0154	0.0205	0.0308
70	0.0095	0.0143	0.0190	0.0286
75	0.0089	0.0133	0.0178	0.0267
80	0.0083	0.0125	0.0167	0.0250
85	0.0078	0.0118	0.0157	0.0235
90	0.0074	0.0111	0.0148	0.0222
95	0.0070	0.0105	0.0140	0.0211
100	0.0067	0.0100	0.0133	0.0200
105	0.0063	0.0095	0.0127	0.0190
110	0.0061	0.0091	0.0121	0.0182
115	0.0058	0.0087	0.0116	0.0174
120	0.0056	0.0083	0.0111	0.0167
RPM Gauges				
1200	0.0074	0.0111	0.0148	0.0222
1100	0.0063	0.0095	0.0127	0.0190
1000	0.0053	0.0080	0.0107	0.0160
900	0.0046	0.0069	0.0092	0.0138
800	0.0038	0.0057	0.0076	0.0114
700	0.0030	0.0045	0.0061	0.0091
600	0.0024	0.0036	0.0048	0.0071
500	0.0018	0.0027	0.0036	0.0053
400	0.0013	0.0019	0.0025	0.0038
300	0.0008	0.0012	0.0016	0.0024
200	0.0004	0.0006	0.0008	0.0013

A simple, fast tool for ensuring that ALL the gauges in the filing room are correct and the same

Example:

A correct 40 foot tension gauge will show a “drop” of 0.040” on the dial indicator at the when the pins are in the second position

Use

Place gauge against pins and read the dial indicator. Slide gauge back and forth to check consistency along its length

A straight edge should read zero.

For Tension Gauges, the reading will depend on the distance between the pins.

Four pin spacings are available depending on the length of your gauges.

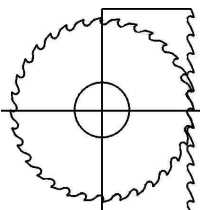
The gauge is more sensitive for the larger pin spacing.

Construction

Cold rolled steel base to minimize warping

Surface is flat for checking straight edges

Hardened Pins



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