


SIMOMETER INSTRUCTIONS

To Check Tension on a Taught Blade

Loosen thumbscrews and place gauge on blade. Tighten thumbscrew on solid end of gauge. Move lever arm to pre-load indicator (1/2 to 3/4 revolution) and lock thumbscrew. Tap blade with fingers to settle gauge and bezel dial face to "zero" position. Release blade tension on machine and read dial.

To Apply Correct Tension

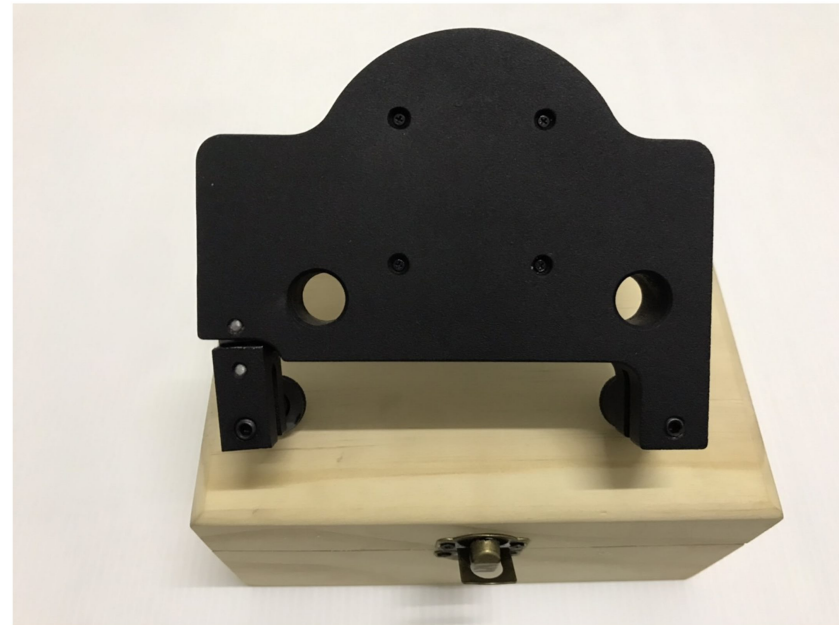
Place gauge on blade that is straight but without tensile load. Tighten thumbscrew on solid end of gauge. Mover lever arm on gauge to pre-load indicator (1/2 to 3/4 revolution) and lock thumbscrew. Tap blade with fingers to settle gauge and bezel dial face to "zero" position. Adjust blade tension on machine until desired reading is obtained. Tap blade to ensure correct reading.

Recommended Tension				Recommended Tension	
Band Saw Blade	PSI	BAR			
Weld Edge 1 1/2" & wider	3000-4000 PSI	206-275 BAR		00-11 YELLOW ZONE : WEAK TENSION	
Weld Edge Thru 1 1/4" wide	2500-3500 PSI	172-240 BAR			
Solid High Speed Steel	2000-2500 PSI	137-172 BAR		11-20 BLUE ZONE : RECOMMENDED TENSION	
Hard Edge Carbon	2000-2500 PSI	137-172 BAR			
Hard Edge Flex back Carbon	1500-2000 PSI	103-137 BAR			
Power Hacksaw Blade					
All Styles	2500-3500 PSI	172-240 BAR		OVER 20 : RED ZONE : STRONG TENSION	

The above tension ranges are supplied as a guide for normal average cutting conditions. Insufficient tension can affect the cutting efficiency of the blade. Excessive tension may cause breakage of band saws or hacksaws and can damage machine bearings.

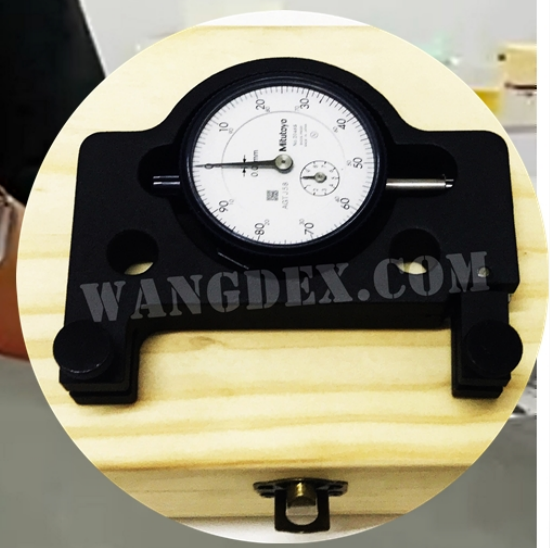
As a general rule of thumb the higher end of the tension range should be used when the guide arms are further apart and the lower end of the range should be used when the guide arms are closer together.

เครื่องวัดความตึง
ใบเลื่อยสายพาน



Tension Gauge

เครื่องวัดความตึงใบเลื่อย



TENSION GAUGE

เครื่องวัดความตึงใบเลื่อย

