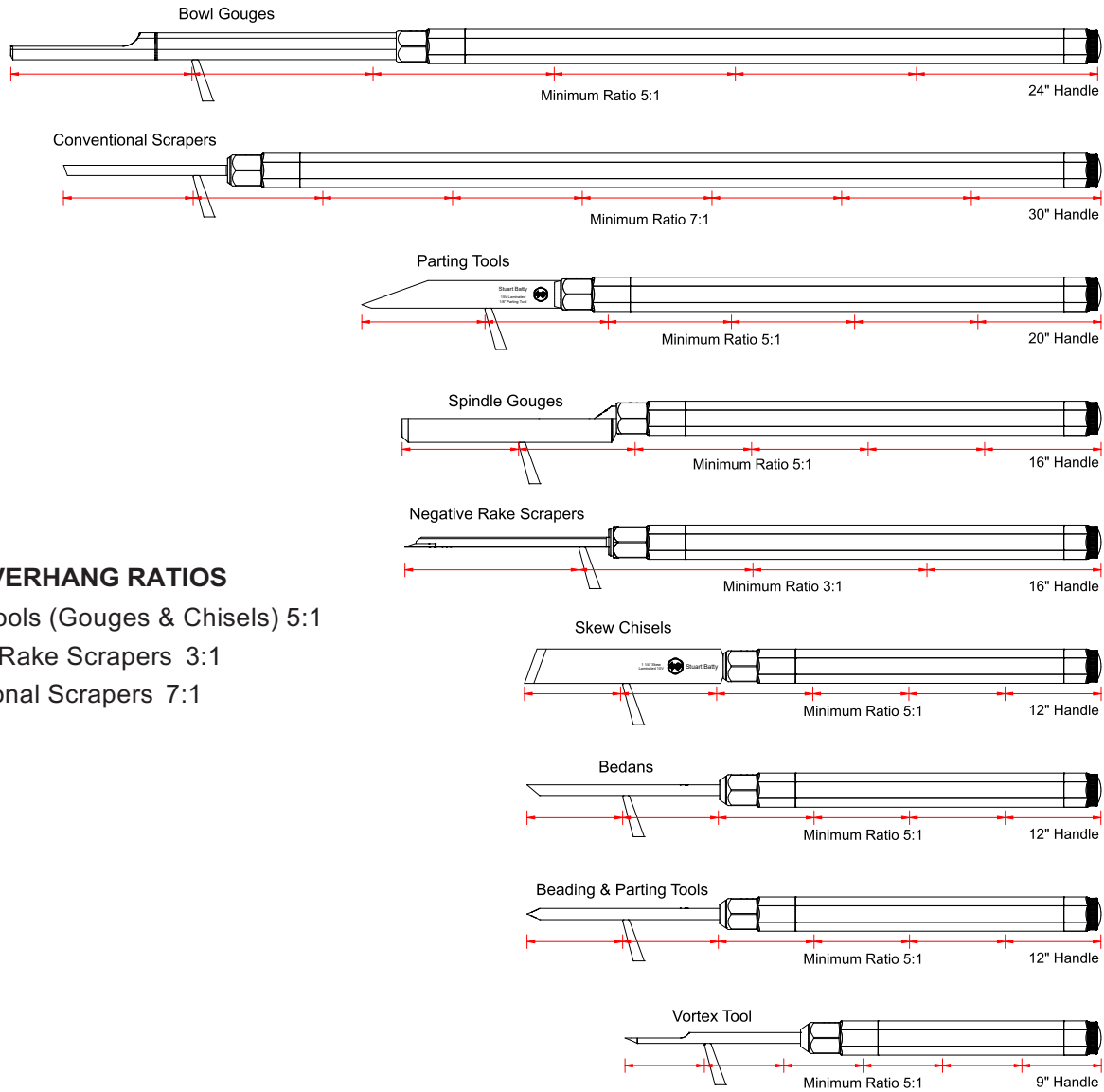


Tool Rest Overhang Ratios

To ensure safe, comfortable control of a tool while cutting or scraping, we recommended using the following ratios:



TOOL OVERHANG RATIOS

Cutting Tools (Gouges & Chisels) 5:1

Negative Rake Scrapers 3:1

Conventional Scrapers 7:1

Understanding overhang ratios is an essential aspect of woodturning. Using the correct ratio for each group of tools will reduce fatigue and enable much better stable tool control.

When cutting or scraping on a lathe, the amount of blade overhanging the tool rest must be supported by sufficient handle length. This will ensure you have the correct leverage and help you stay in control. The ratio can be achieved using a combination of the handle and any remaining blade still on the handle side of the tool rest. However, if you hold the handle towards the front, you will affect the ratio and leverage.

We offer the industry's broadest range of handle lengths at Stuart Batty Tools, with ten lengths from 7" to 48". Our new "Connectable Handles" can be combined using a "Handle Connector" for additional leverage.

NOTE: The images above of tool positions are for reference only. Noting that gouges work uphill, and conventional scrapers must always point downhill. Only a Negative Rake Scraper and Parting Tools should be used as positioned above.

