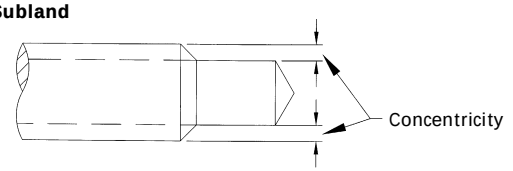
Advantages of Subland Drills

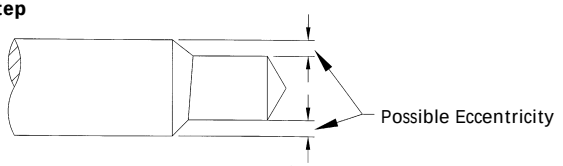
Concentricity

With subland construction, the concentricity from diameter to diameter is guaranteed throughout the life of the tool. This assures you of accurate holes even after repeated sharpenings.

Subland



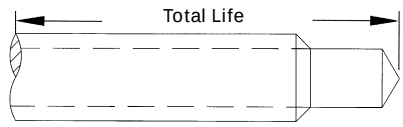
Step



Life

Total usable life is maximised as valuable length is not consumed in establishing new diameter.

Subland



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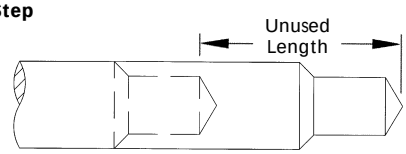
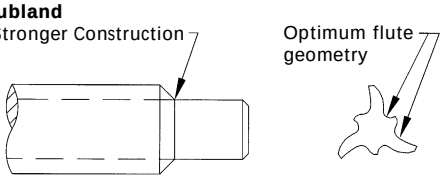


Geometry

Since each diameter of a subland tool has its own set of flutes the flute form, rake, web etc. for each diameter is independent of the others. This can eliminate undercuts at step angles making the tool stronger and achieving maximum cutting efficiency.

Subland



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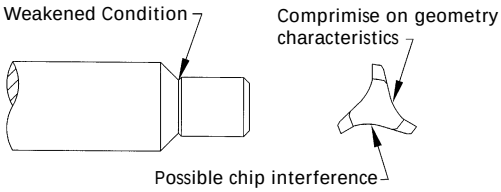
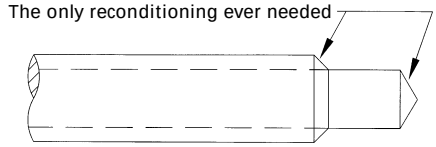


Sharpening

Reconditioning of subland tools requires much less time, as only the cutting edges need to be sharpened.

Subland



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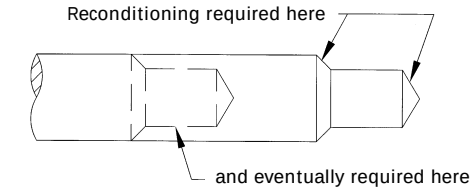
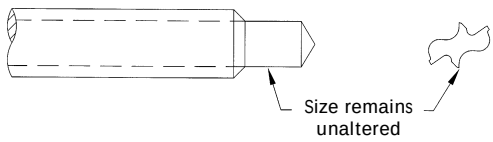


Size

Tool diameters never have to be recreated on subland tools, size is permanently established during initial manufacturing. The highest degree of part consistency is therefore maintained.

Subland



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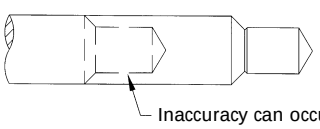

Edges

With subland construction, step angles can be sharpened below the smaller diameter without undercuts or radii.