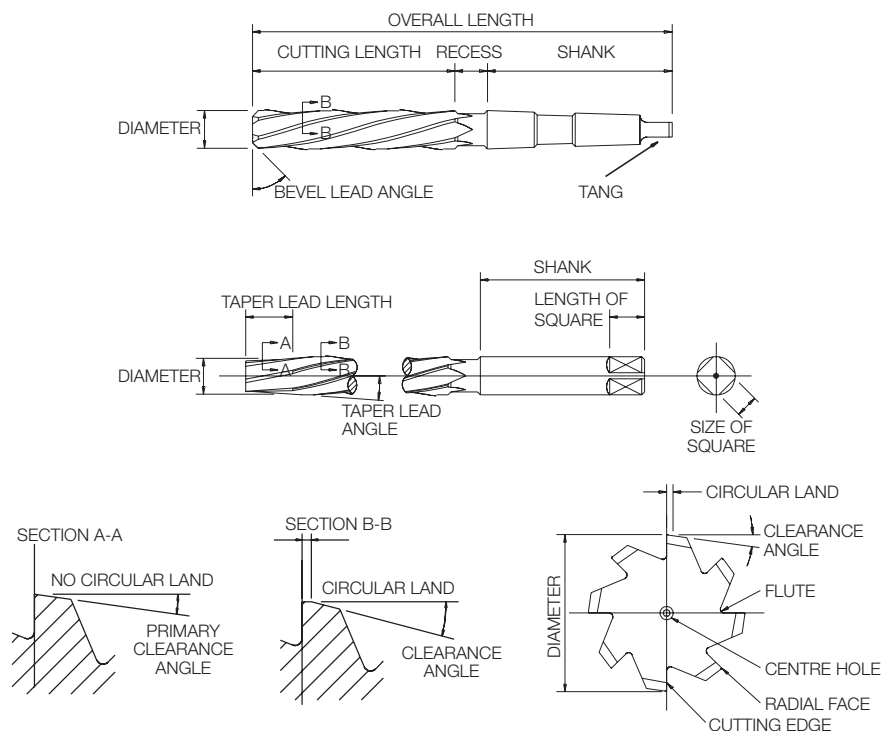


Reamer Nomenclature



Reamer Tolerances

Bordo reamers are manufactured to produce holes to H7 tolerance. The tolerance limits in the table below are added to the nominal reamer diameter.

E.g. nominal diameter: 12mm actual diameter: 12.008mm/12.015mm

Tolerance Limits for Reamers and Hole Sizes Produced

Reamer Diameter Range (mm)		Cutting Diameter Tolerance		Hole Diameter Tolerance H7	
Above	Up To	(mm)	(mm)		
1	3	+0.004	+0.008	0	+0.010
3	6	+0.005	+0.010	0	+0.012
6	10	+0.006	+0.012	0	+0.015
10	18	+0.008	+0.015	0	+0.018
18	30	+0.009	+0.017	0	+0.021
30	50	+0.012	+0.021	0	+0.025

Reamer Resharpening

Reamers are only sharpened on the bevel lead. This must be done only by skilled operators on appropriate machine tools. When resharpening it is essential to maintain both the original relief angle of 6° - 8° and the concentricity of the bevel lead.