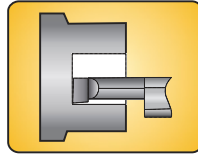
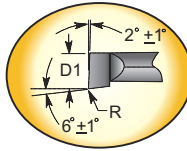
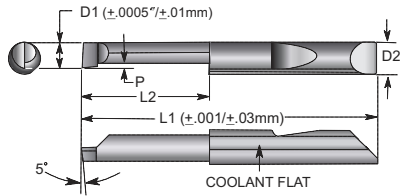


QBB
Boring Tools



Minimum Bore Ranges:
.320" (8.13mm) - .490" (12.5mm)

QBB Boring Tools Tolerances:
Shank Diameter:
-.0001" (-.005mm) to -.0002" (-.01mm)
Minimum Bore Diameter:
±.0005" (±.01mm)
Maximum Bore Depth:
+.050" (+1.27mm)



AlTiN Coated Tools Available
Add an "X" to end of Catalog No.
EXAMPLE:
QBB-320500X

Left Hand Tools available upon request.

For current pricing, please visit our website at: www.micro100.com

QBB Catalog No.	Minimum Bore Diameter (D1)	Maximum Bore Depth (L2)	Projection (P)	Tool Radius (R)	Overall Length (L1)	Shank Diameter (D2)
	inch / metric	inch / metric	inch / metric	inch / metric	inch / metric	inch / metric
3/8" / 9.5mm Shanks						
QBB-320500	.320 / 8.13	.500 / 12.7	.080 / 2.03	.005 / 0.13	2.000 / 51	.3750 / 9.5
QBB-320750		.750 / 19.1			2.000 / 51	
QBB-3201000		1.00 / 25.4			2.500 / 64	
QBB-3201250		1.25 / 31.8			2.500 / 64	
QBB-3201500		1.50 / 38.1			3.000 / 76	
QBB-3201800		1.80 / 45.7			3.000 / 76	
QBB-3202000		2.00 / 50.8			3.500 / 89	
QBB-3202500		2.50 / 63.5			4.000 / 102	
QBB-360750	.360 / 9.14	.750 / 19.1	.090 / 2.29	.005 / 0.13	2.000 / 51	.3750 / 9.5
QBB-3601000		1.00 / 25.4			2.500 / 64	
QBB-3601250		1.25 / 31.8			2.500 / 64	
QBB-3601500		1.50 / 38.1			3.000 / 76	
QBB-3601800		1.80 / 45.7			3.000 / 76	
QBB-3602000		2.00 / 50.8			3.500 / 89	
QBB-3602500		2.50 / 63.5			4.000 / 102	
QBB-4601000		.460 / 11.7			1.00 / 25.4	
QBB-4601250	1.25 / 31.8		3.000 / 76			
QBB-4601500	1.50 / 38.1		3.000 / 76			
QBB-4602000	2.00 / 50.8		3.500 / 89			
QBB-4602500	2.50 / 63.5		4.000 / 102			
QBB-4603000	3.00 / 76.2		4.500 / 114			
QBB-4901000	.490 / 12.5	1.00 / 25.4	.123 / 3.12	.005 / 0.13	2.500 / 64	.5000 / 12.7
QBB-4901250		1.25 / 31.8			3.000 / 76	
QBB-4901500		1.50 / 38.1			3.000 / 76	
QBB-4902000		2.00 / 50.8			3.500 / 89	
QBB-4902500		2.50 / 63.5			4.000 / 102	
QBB-4903000		3.00 / 76.2			4.500 / 114	

See pages 34-42 for Toolholder Selections.