



SB Specialty Metals LLC

Your **First Choice** for Specialty Metals

Carbide rod tolerances

Tolerance of ground rod diameter				
Diameter	h4	h5	h6	h7
0-3.0mm	0.003mm	0.004mm	0.006mm	0.010mm
0-0.1181in.	0.00012in.	0.00015in.	0.00024in.	0.00039in.
3.001-6.0mm	0.004mm	0.005mm	0.008mm	0.012mm
0.1181-0.2362in.	0.00015in.	0.00020in.	0.00031in.	0.00047in.
6.001-10.0mm	0.004mm	0.006mm	0.008mm	0.015mm
0.2363-0.3937in.	0.00015in.	0.00024in.	0.00035in.	0.00059in.
10.001-18.0mm	0.005mm	0.008mm	0.011mm	0.018mm
0.3938-0.7087in.	0.00020in.	0.00031in.	0.00043in.	0.00071in.
18.001-30.0mm	0.006mm	0.009mm	0.013mm	0.021mm
0.7088-1.1811in.	0.00024in.	0.00035in.	0.00051in.	0.00083in.
30.001-50.0mm	0.007mm	0.011mm	0.016mm	0.025mm
1.1812-1.9685in.	0.00028in.	0.00043in.	0.00063in.	0.00098in.

Surface roughness of rods	
Type	Accuracy
Polished Rods	0.00-0.05µm
Ground Rods	0.00-0.10µm
Dull finished	0.10-0.2µm

Roundness tolerance	
Standard	0.002mm