

## NOMINAL MAGNIFICATIONS ON TEM ALPHA AND BETA

### TEM ALPHA

Low Mag	Falcon 4 Pixel Size
40x	194.31nm
50x	144.77nm
64x	120.90nm
81x	96.42nm
100x	77.72nm
130x	61.93nm
165x	48.21nm
205x	38.66nm
260x	30.23nm
320x	24.26nm
410x	18.85nm
520x	14.91nm
660x	11.83nm
830x	9.32nm
1050x	7.47nm
1150x	6.70nm

SA Mag	Falcon 4 Pixel Size
1700x	47.0Å
2200x	36.5Å
2850x	27.8Å
3800x	20.8Å
5000x	15.7Å
6500x	12.1Å
8700x	8.9Å
11,000x	7.1Å
14,000x	5.5Å
18,000x	4.3Å
22,500x	3.4Å
29,000x	2.7Å
37,000x	2.1Å
47,000x	1.6Å
59,000x	1.3Å
75,000x	1.0Å
96,000x	0.82Å
120,000x	0.65Å
155,000x	0.51Å
195,000x	0.40Å
250,000x	0.31Å

### TEM BETA

EFTEM SA Mag	Pixel Size
2,250x	3.95 nm/px
3,600x	2.42 nm/px
4,800x	1.89 nm/px
6,500x	1.38 nm/px
8,700x	1.04 nm/px
11,500x	8.0 Å/px
15,000x	6.1 Å/px
19,500x	4.6 Å/px
26,000x	3.4 Å/px
33,000x	2.7 Å/px
42,000x	2.1 Å/px
53,000x	1.7 Å/px
64,000x	1.4 Å/px
81,000x	1.1 Å/px
105kx	0.86 Å/px
130kx	0.68 Å/px
165kx	0.53 Å/px
215kx	0.41 Å/px
270kx	0.33 Å/px