

Applicable Site(s)	Suttons	Ref.	BG 3148018		
Subject	NGC TUBE DATA SHEET BULGARIA	PCN	500000011573	Issue	G2
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Safety count is 3 for each coin

Coin desc/partnumber	NGC tube number	NGC tube base number	Coin Thickness in $\mu\text{m}$	Coin Diameter in mm	Tube Base Offset		Full Count	Max Fill Count	Tube position restrictions (i.e. not in tube....)
					A	B			
1 Lev 2002 134325030	T 27	Blue	2100	24.5	A	106	78	66	B
					B	100			
					C	101			
					D	112			
					E	65			
1 Stotinka 2000 134320029	T22 e1c slv	Aztec Gold	1440	16	A	100	114	103	A,D,E
					B	75			
					C	97			
					D	100			
					E	100			
2 Stotinki 2000 134322028	T19	Grey	1570	18	A	91	105	93	DE
					B	68			
					C	68			
					D	100			
					E	100			
5 Stotinki 2000 134324027	T20	Lt blue	1670	20.1	A	85	98	86	DE
					B	67			
					C	84			
					D	100			
					E	100			
10 Stotinki 1999 134320024	T22 e2c slv	Aztec Gold	1590	18.5	A	100	103	92	A,D,E
					B	79			
					C	60			
					D	100			
					E	100			
20 Stotinki 1999 134328025	T22	Aztec Gold	1690	20.5	A	76	97	85	-
					B	72			
					C	85			
					D	75			
					E	80			
50 Stotinki 1999 134326026	T24	Yellow	1780	22.5	A	94	92	80	B
					B	100			
					C	113			
					D	99			
					E	103			

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## Notes on filling out the Tube Data Sheet

The example below shows a completed row for the US 1c coin

Coin desc/partnumber	NGC tube number	NGC tube base number	Coin Thickness in $\mu\text{m}$	Coin Diameter in mm	Tube Base Offset		Full Count*	Max Fill Count	Tube position restrictions (i.e. not in tube...)
					A	B			
1c	20	Light Blue	1512	19.0	A	80	109	96	D,E
					B	68			
					C	90			
	D	71							
	E	71							
	728111008	794604001							

### Coin Thickness

This figure is used by the Acoustic system in order to calculate coin counts in tubes. It is normally based on the average coin thickness, but may be based on practical measurements.

### Tube Base Offset

This is an adjustment used by the acoustic system when measuring an empty tube in order to correct for slight errors in base measurements. Practical measurements and data collection is required in order to determine these figures.

Note: number is offset binary with 100 = 0 offset (i.e. >100 indicates +ve offset, <100 indicates -ve offset)

### Full Count

Full Count is the height of the tube divided by the coin thickness

The height of the tube has been defined as 165mm – Steve Boxall 25<sup>th</sup> Sept 2003-09-26

### Max Fill Count

This is the height of the tube minus a coin diameter, divided by the coin thickness (e.g. (full – diameter) / thickness)

### Tube Position Restrictions

This is the tube position(s) that this coin cannot be fitted to.

