

Applicable Site(s)	Suttons	Ref.	EU 158424001		
Subject	NGC TUBE DATA SHEET EUROPE	PCN	500000013022	Issue	G1
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Safety count is 3 for each coin.

Coin desc/part number	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 Cent 717178261	T22 e1c Slv	Red	1680	16.3	A	100	98	88	A,D,E
					B	82			
					C	98			
					D	100			
					E	100			
2 Cent 717170282	T22 e2c Slv	Red	1700	18.8	A	100	97	86	A,D,E
					B	97			
					C	98			
					D	100			
					E	100			
5 Cent 717171033	T22	Red	1704	21.3	A	73	97	84	D,E
					B	81			
					C	79			
					D	100			
					E	100			
10 Cent 717179034	T20	Orange	1932	19.75	A	92	85	75	D,E
					B	77			
					C	92			
					D	100			
					E	100			
20 Cent 717177035	T24	Yellow	2138	22.25	A	95	77	67	B
					B	100			
					C	106			
					D	90			
					E	88			
50 Cent 717175036	T25	Purple	2413	24.25	A	99	68	58	B
					B	100			
					C	101			
					D	94			
					E	85			
1 € 717173037	T25	Purple	2353	23.25	A	103	70	60	B
					B	100			
					C	101			
					D	103			
					E	89			
2 € 717171038	T27	Blue	2177	25.75	A	86	75	63	B
					B	100			
					C	95			
					D	93			
					E	64			

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The example below shows a completed row for the 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.



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**Safety count is 3 for each coin.**