

Applicable Site(s)	Winnersh	Ref.	RU/003145006		
Subject	NGC TUBE DATA SHEET RUSSIA	PCN	500000012462	Issue	G1
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Safety count is 3 for each coin.

Coin desc/partnumber	NGC tube number	NGC tube base number	Coin Thickness in µm	Coin Diameter in mm	Tube Base Offset		Full Count	Max Fill Count	Tube position restrictions (i.e. not in tube....)
10 Kopek	T19	White	1250	17.60	A	106	132	118	D, E
					B	99			
	C	83							
	D	100							
	E	100							
728113002	728137003				A	72	116	102	D, E
					B	72			
					C	81			
					D	100			
					E	100			
50 Kopek	T20	Lt Blue	1420	19.60	A	91	110	96	D, E
					B	90			
	C	80							
	D	100							
	E	100							
728111008	794604001				A	88	92	79	B
					B	100			
					C	87			
					D	92			
					E	85			
1 Rouble	T22	Aztec Gold	1500	20.60	A	71	91	77	B, D
					B	100			
	C	83							
	D	100							
	E	57							
728119009	728134013				A	100	89	75	A, B, D, E
					B	100			
					C	55			
					D	100			
					E	100			
2 Roubles	T24	Yellow	1790	23.10	A	100	89	75	A, B, D, E
					B	100			
	C	55							
	D	100							
	E	100							
728119004	728133005				A	100	89	75	A, B, D, E
					B	100			
					C	55			
					D	100			
					E	100			
5 Roubles	T27	Brown	1800	25.10	A	100	89	75	A, B, D, E
					B	100			
	C	55							
	D	100							
	E	100							
728115006	794280001				A	100	89	75	A, B, D, E
					B	100			
					C	55			
					D	100			
					E	100			
10 Roubles	T29	Green	1840	27.10	A	100	89	75	A, B, D, E
					B	100			
	C	55							
	D	100							
	E	100							
728113007	728131001				A	100	89	75	A, B, D, E
					B	100			
					C	55			
					D	100			
					E	100			

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1 Rouble 160840022 (2009)	T22	Aztec Gold	1500	20.60	A	91	110	96	D, E
	728119009	728134013			B	90			
					C	80			
					D	100			
					E	100			
2 Rouble 160848023 (2009)	T24	Yellow	1790	23.10	A	88	92	79	B
	728119004	728133005			B	100			
					C	87			
					D	92			
					E	85			
5 Rouble 160848024 (2009)	T27	Brown	1800	25.10	A	71	91	77	B, D
	728115006	794280001			B	100			
					C	83			
					D	100			
					E	57			
10 Roubles 160844025 (2009)	T24	Yellow	2160	22.06	A	71	76	66	B
	728119004	728133005			B	100			
					C	70			
					D	74			
					E	68			

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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 μm	Coin Diameter in mm	Tube Base Offset		Full Count*	Max Fill Count	Tube position restrictions (i.e. not in tube....)
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 25th 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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