

LONDON GOOD DELIVERY BARS

INTERNATIONAL

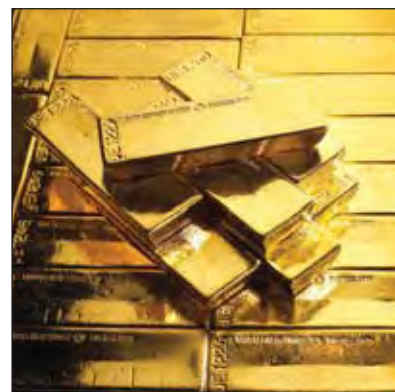
This supplement covers an extensive range of **London Good Delivery (LGD) 400 oz gold bars**.

Total: 41 LGD brands from 17 countries.

The names of the 61 active LGD bar manufacturers are recorded on the "The Good Delivery List of Acceptable Refiners: Gold", published by the London Bullion Market Association (LBMA).

The supplement will be expanded over time as more information and photographs become available.

For background information, refer to the two introductory sections on "**Accredited Gold Bar Manufacturers**" and "**London Good Delivery Bars**" under "Basic Information" on the home page.



Rand Refinery
South Africa

LGD bars have underpinned
gold dealing in the loco-London
bullion market since 1919.

TECHNICAL DESCRIPTION

Country	Accredited Refiner	Approximate Weight#	Type	Fineness	Approximate Dimensions mm	Accreditation Date##	Illustration Page
EUROPE							
Belgium	Umicore	400 oz	Cast	999.9	215 x 85 x 50 200 x 75 (base)	1930*	4
Germany	Allgemeine (Umicore Group)	400 oz	Cast	999.9	220 x 78 x 50 189 x 53 (base)	2008	4
Germany	Heraeus	400 oz	Cast	995+, 999.9	245 x 82 x 34 230 x 60 (base)	1958	4
Germany	Aurubis	400 oz	Cast	999.9	229 x 80 x 42 211 x 62 (base)	2009**	4
Netherlands	Schöne (Umicore Group)	400 oz	Cast	999.9	220 x 78 x 50 194 x 55 (base)	Before 1934	4
Spain	SEMPASA	400 oz	Cast	995+	245 x 75 x 42 230 x 55 (base)	1984	4
Sweden	Boliden	400 oz	Cast	995+, 999.9	211 x 86 x 41 205 x 80 (base)	1984	4
Switzerland	Argor-Heraeus	400 oz	Cast	995+	250 x 80.5 x 40 225 x 55 (base)	1961	5
Switzerland	Cendres+Métaux	400 oz	Cast	999.9	255 x 80 x 45 211 x 42 (base)	1981	5
Switzerland	Metalor	400 oz	Cast	995+, 999.9	245 x 87 x 42 213 x 50 (base)	1934	5
Switzerland	PAMP	400 oz	Cast	999.9	250 x 90 x 40 225 x 58 (base)	1987	5
Switzerland	Valcambi	400 oz	Cast	995+, 999.9	252 x 83 x 37 233 x 65 (base)	1968	5
AMERICAS							
Canada	Johnson Matthey	400 oz	Cast	995+, 999.9	260 x 82 x 39 240 x 58 (base)	1961	6
Canada	Royal Canadian Mint	400 oz	Cast	999.9	245 x 80 x 40 245 x 55 (base)	1919*	6



Country	Accredited Refiner	Approximate Weight#	Type	Fineness	Approximate Dimensions mm	Accreditation Date##	Illustration Page
USA	Johnson Matthey	400 oz	Cast	995+, 999.9	248 x 80 x 41 220 x 57 (base)	1989	6
USA	Metalor	400 oz	Cast	995+, 999.9	270 x 76 x 44 235 x 57 (base)	1991	6
Brazil	AngloGold Ashanti	400 oz	Cast	995+, 999.9	212 x 95 x 38 195 x 76 (base)	1986	6
Brazil	Umicore	400 oz	Cast	999.9	223 x 76 x 50 198 x 50 (base)	1992	6
FAR EAST							
Hong Kong	Heraeus	400 oz	Cast	995+	255 x 85 x 35 235 x 65 (base)	2006	7
Hong Kong	Metalor	400 oz	Cast	995+, 999.9	256 x 85 x 37 230 x 63 (base)	2007	7
Indonesia	Logam Mulia	400 oz	Cast	999.9	200 x 83 x 43 195 x 75 (base)	1999	-
Japan	Ishifuku	400 oz	Cast	999.9	238 x 82 x 40 222 x 66 (base)	1982	7
Japan	Japan Mint	400 oz	Cast	999.9	245 x 78 x 40 223 x 60 (base)	2008	7
Japan	Mitsubishi	400 oz	Cast	999.9	245 x 80 x 40 235 x 70 (base)	1981	7
Japan	Mitsui	400 oz	Cast	999.9	255 x 77.5 x 35 240 x 60 (base)	1981	7
Japan	Nippon	400 oz	Cast	999.9	230 x 85 x 38 216 x 72 (base)	2000	8
Japan	Sumitomo	400 oz	Cast	999.9	250 x 75 x 38 230 x 60 (base)	1981	8
Japan	Tanaka	400 oz	Cast	995+, 999, 999.9	258 x 82 x 47 230 x 56 (base)	1978	8
Japan	Tokuriki	400 oz	Cast	999.9	260 x 79 x 38 235 x 60 (base)	1981	8
South Korea	LS-Nikko	400 oz	Cast	999.9	250 x 78 x 52 238 x 56 (base)	1994	9
AFRICA							
South Africa	Rand Refinery	400 oz	Cast	995+, 999.9	260 x 80 x 40 240 x 60 (base)	1921*	9
AUSTRALIA							
Australia	The Perth Mint	400 oz	Cast	999.9	230 x 80 x 41 204 x 65 (base)	2010**	9
CIS							
Kazakhstan	Kazzinc	400 oz	Cast	999.9	254 x 88 x 35 229 x 59 (base)	1996	9
Russia	Krastsvetmet	400 oz	Cast	999.8, 999.9	254 x 88 x 35 229 x 59 (base)	1999	10
Russia	Novosibirsk	400 oz	Cast	999.5, 999.8, 999.9	254 x 88 x 35 229 x 59 (base)	1999	10
Russia	Prioksky	400 oz	Cast	999.5, 999.8, 999.9	254 x 88 x 35 229 x 59 (base)	1999	10
Russia	Schelkovsky	400 oz	Cast	999.9	254 x 88 x 35 229 x 59 (base)	1999	10
Russia	Ekaterinburg	400 oz	Cast	999.5, 999.8, 999.9	254 x 88 x 35 229 x 59 (base)	1999	10
Russia	Kolyma	400 oz	Cast	999.5, 999.8, 999.9	259 x 93 x 37 233 x 63 (base)	2004	10



Country	Accredited Refiner	Approximate Weight#	Type	Fineness	Approximate Dimensions mm	Accreditation Date##	Illustration Page
Russia	Uralelectromed	400 oz	Cast	999.9	254 x 88 x 35 229 x 59 (base)	2006	10
Russia	Moscow	400 oz	Cast	999.9	254 x 88 x 35 229 x 59 (base)	2007	10

Source: Refiners # Approximate: fine gold weight can range between 350 oz and 430 oz. ## Current dimensions: some dimensions, markings and company names have changed since the year of original accreditation. * Estimated date. ** The Perth Mint: LGD bars have been issued under former names since at least 1928. ** Aurubis AG: LGD bars were previously issued under the name, Norddeutsche Affinerie, since at least 1934 until 2009.



The Prioksky Plant of Non-Ferrous Metals (Russia) has manufactured LGD bars with its own official stamp since 1999.



SEMPA Joyería Platería SA (Spain) has manufactured LGD bars since 1984.



Rand Refinery Limited (South Africa), operating since 1921, has manufactured more LGD bars than any other refiner.



EUROPE



Umicore
Belgium



Schöne (Umicore Group)
Netherlands



SEMPSA
Spain



Heraeus
Germany



Aurubis
Germany



Allgemeine
Germany



Boliden
Sweden





Argor-Heraeus
Switzerland



Cendres+Métaux
Switzerland



Metalor
Switzerland



Valcambi
Switzerland



PAMP
Switzerland



AMERICAS



Johnson Matthey
Canada



Royal Canadian Mint
Canada



Johnson Matthey
USA



Metalor
USA



AngloGold Ashanti
Brazil



Umicore
Brazil



FAR EAST



Heraeus
Hong Kong



Metalor
Hong Kong



Ishifuku
Japan



Japan Mint
Japan



Mitsubishi
Japan



Mitsui
Japan



FAR EAST



Nippon
Japan



Sumitomo
Japan



Tanaka
Japan



Tokuriki
Japan





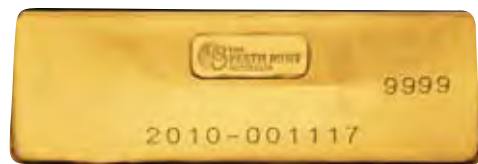
LS-Nikko
South Korea

AFRICA



Rand Refinery
South Africa

AUSTRALIA



The Perth Mint
Australia

CIS



Kazzinc
Kazakhstan





LGD bars, manufactured by Russian refiners, have the same shape and similar markings, apart from the official stamp of the refiner.

OFFICIAL STAMPS



Krastsvetmet
Siberia



Novosibirsk
Siberia



Prioksky
Central



Schelkovsky
Central



Ekaterinburg
Urals



Kolyma
Far Eastern



Uralelectromed
Urals



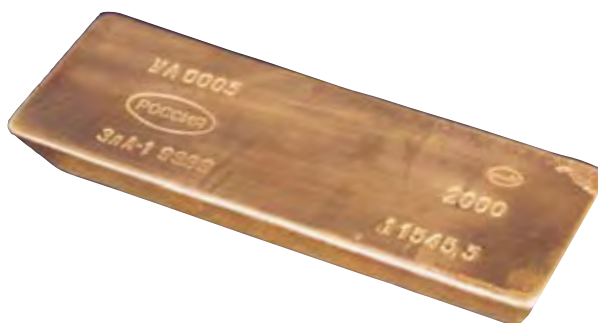
Moscow
Central



Krastsvetmet



Moscow



Uralelectromed

Source: The Gokhran of Russia

Refer to disclaimer on website: www.goldbarsworldwide.com

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