15 May 2017 | Metal Bulletin Daily | Number 9509.1

15 May 2017 Metal Bulletin Da	illy Number	9509.1				copyright ©	2002-2017	Met	ai Bulletin
D						Price	Change		Assessed
Prices					N. American special aluminium alloy				
					LME cash official	1,780-1,780.5	-0.84%	▼	12 May 17
For the latest prices go to http://www.metalbu	Illetin.com/My-price	e-book.html			LME cash unofficial	1,776.5-1,786.5	-0.89%	Ť	11 May 17
NEW YORK FUTURES					LME 3 months official			₹	
THE TOTAL TOTAL STATE OF THE ST	Duine	Chausant		1000000 d		1,795-1,805	-0.83%		12 May 17
	Price	Change [†]		Assessed	LME 3 months unofficial	1,795-1,805	-1.1%	V	11 May 17
Comex: Copper high grade cents/lb					LME stocks (tonnes)	141,760	3.5%		11 May 17
Settlement	250.10	-0.04%	•	11 May 17	Copper grade A \$				
Open interest	251,609	1.56%	_	10 May 17	LME cash official	5,519-5,520	-0.19%	•	12 May 17
Stocks (short ton)	154,541	-0.45%	▼	10 May 17	LME cash unofficial	5,506.5-5,508.5	0.08%	_	11 May 17
Comex: Gold \$/troy oz					LME 3 months official	5,540-5,541	-0.31%	▼	12 May 17
Settlement	1,222.70	-0.31%	▼	11 May 17	LME 3 months unofficial	5,529-5,531	-0.05%	▼	11 May 17
Open interest	438,541	-4.51%	•	10 May 17	LME Tapo notional average price				
Stocks (troy oz)	8,926,219	-0.08%	•	10 May 17	(NAP)	5,563.88	-1.38%	•	11 May 17
Nymex: Palladium \$/troy oz	0/520/2.5	0.0070			LME stocks (tonnes)	329,375	-7.13%	▼	11 May 17
Settlement	700.05	0.210/	_	11 May 17	Lead \$				
	798.95	-0.21%	Ť	11 May 17	LME cash official	2,165-2,165.5	-1.12%	▼	12 May 17
Stocks (troy oz)	42,750	-18.66%		10 May 17	LME cash unofficial	2,163-2,165	-0.64%	•	11 May 17
Nymex: Platinum \$/troy oz					LME 3 months official	2,171-2,171.5	-0.74%	_	12 May 17
Settlement	917.70	1.1%		11 May 17	LME 3 months unofficial	2,167-2,169	-0.32%	▼	11 May 17
Stocks (troy oz)	224,950	3.13%	_	10 May 17	LME stocks (tonnes)	183,150	5.43%	<u> </u>	11 May 17
Comex: Silver cents/troy oz						טכוונטו	J. 4 J /0	_	II May II
Settlement	1,620.90	-0.22%	▼	11 May 17	Nickel\$				
Open interest	208,718	9.58%	•	10 May 17	LME cash official	9,320-9,325	4.37%		12 May 17
<u> </u>	· · · · · · · · · · · · · · · · · · ·			,	LME cash unofficial	9,250-9,275	3.55%	_	11 May 17
SHANGHAI FUTURES					LME 3 months official	9,360-9,365	4.32%		12 May 17
	Price	Changot		Assessed	LME 3 months unofficial	9,275-9,300	3.25%	A	11 May 17
Aluminium uun hanna		Change [†]	_	Assessed	LME stocks (tonnes)	380,610	-0.03%	▼	11 May 17
Aluminium yuan/tonne	13,795	-0.61%		12 May 17	Tin \$				
Copper yuan/tonne	44,860	-0.27%		12 May 17	LME cash official	19,900-19,910	-0.11%	▼	12 May 17
Nickel cathode yuan/tonne	75,350	3.22%		12 May 17	LME cash unofficial	19,895-19,920	-0.01%	•	11 May 17
Tin ingot yuan/tonne	138,930	-0.01%	•	12 May 17	LME 3 months official	19,750-19,800	-0.26%	_	12 May 17
Zinc yuan/tonne	22,150	2.64%	_	12 May 17	LME 3 months unofficial	19,825-19,850	-0.06%	<u> </u>	11 May 17
Steel rebar month 1 yuan/tonne	3,643	4.59%	_	12 May 17	LME stocks (tonnes)	2,320	-6.83%	<u>,</u>	11 May 17
Steel rebar month 2 yuan/tonne	3,381	4.74%		12 May 17		2,320	0.0570	•	II May II
Steel rebar month 3 yuan/tonne	3,262	5.4%	_	12 May 17	Zinc special high grade \$				
Weekly stocks deliverable					LME cash official	2,581-2,582	0.19%	<u> </u>	12 May 17
Aluminium (tonnes)	410,405	1.61%	_	12 May 17	LME cash unofficial	2,584-2,586	1.29%		11 May 17
Copper (tonnes)	194,993	-9.4%	▼	12 May 17	LME 3 months official	2,592-2,593	0.86%	_	12 May 17
Nickel cathode (tonnes)	84,468	0.58%	•	12 May 17	LME 3 months unofficial	2,591-2,593	1.33%		11 May 17
Tin ingot (tonnes)	3,738	-2.86%	_	12 May 17	LME stocks (tonnes)	345,150	1.38%		11 May 17
Zinc (tonnes)	101,350	-15.5%	T	12 May 17	Cobalt min 99.3%				
Steel rebar (tonnes)	2,146	0%		12 May 17	LME cash official	54,000-54,500	-0.91%	\blacksquare	12 May 17
Steel lebal (tolliles)	2,140	0 70		12 14ay 11	LME 3 months official	54,000-54,500	-1.14%	•	12 May 17
DAIN METAL AND CTEEL					LME stocks (tonnes)	746	-3.24%	•	11 May 17
DAILY METAL AND STEEL					Molybdenum \$				
London forward LME settlement prices. A		, unless other	rwises	stated, in	LME cash official	17,000-17,500	15%	•	12 May 17
LME warehouse, EU duty, if any paid for l	buyers account				LME 3 months official		15%	<u> </u>	12 May 17
	Price	Change [†]		Assessed		17,000-17,500 0		_	
Aluminium high grade\$					LME stocks (tonnes)	U	0%		11 May 17
Cash official	1,879-1,880	-1.42%	▼	12 May 17	Steel billet				
Cash unofficial	1,868.5-1,870.		▼	11 May 17	LME cash official	0.5-0	0%		12 May 17
3 months official	1,883-1,884	-1.54%	Ť	12 May 17	LME cash unofficial	0.5-1	0%		11 May 17
3 months unofficial	1,873-1,875	-1.76%	Ť	11 May 17	LME 3 months official	0.5-0	0%		12 May 17
	כוסון כוטוו	1.10 /0	•	II May II	LME 3 months unofficial	0.5-1	0%		11 May 17
LME Tapo notional average price (NAP)	1,893.94	-0.92%	▼	11 May 17	LME stocks (tonnes)	0	0%		10 Apr 17
LME stocks (tonnes)	1,556,150	-2.72%	<u>,</u>	11 May 17					
	טכווטככוו	2.12 /0		III I I I I I I I I I I I I I I I I I					
Aluminium alloy (A380.1/DIN/D12S) \$	1.650.1.660	1.400/	_	12.14 17					
LME cash official	1,650-1,660	-1.19%		12 May 17					
LME cash unofficial	1,651-1,661	-1.22%	_	11 May 17					
LME 3 months official	1,660-1,670	-1.19%	•	12 May 17					
LME3 months unofficial	1,660-1,670	-1.19%	▼	11 May 17					
LME stocks (tonnes)	14,880	-1.33%	•	11 May 17					
					twook-on-wook change			co =4	inued
					†week-on-week change			CONT	inued »

Copyright © 2002–2017 Metal Bulletin

Cold \$/troy oz London morning 1,227.90	nge trad	-0.93% -0.43% -0.43% -0.18% -0.18% -0.18% -0.25% 1.01% 1.44% 1.56% -2.25% -2.4%	**************************************	12 May 17 11 May 17 12 May 17 12 May 17 11 May 17 12 May 17	*MB BASE METAL PREMIUMS All prices \$/tonne unless otherwise stated *MB Copyright Copper Rotterdam, Grade A, cathode, cif, \$/tonne North European warrants, Grade A cathode, in-warehouse, \$/tonne Leghorn, copper low-high premium, Grade A, cathode, cif, \$/tonne Leghorn, copper average premium, Grade A, cathode, cif, \$/tonne South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne South Korea, copper average premium, Grade A, cathode, cif, \$/tonne Southeast Asian warrants, Grade A cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper average premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne Shanghai, copper average premium, Grade A, cathode, cif, \$/tonne MB free market US: High-grade	10.0-20.0* 35.0-60.0* 50* 45.0-55.0* 48* 5.0-10.0* 550-65.0* 59*	Change* 0% 0% -5% 0% 0% 0% 11.11% 11.32% 10%	*	Assess 09 Ma 09 Ma 09 Ma 09 Ma 09 Ma 12 Ma 12 Ma
1,227.90	nge trad C	-0.43% -0.43% 0.78% 0.18% -0.18% -0.25% 1.01% 1.44% 1.56% 0.25% -24% de change* -2.55% -3.74% -3.45%	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	11 May 17 12 May 17 12 May 17 12 May 17 11 May 17 11 May 17 11 May 17 11 May 17 12 May 17 12 May 17 12 May 17	*MB Copyright Copper Rotterdam, Grade A, cathode, cif, \$/tonne North European warrants, Grade A cathode, in-warehouse, \$/tonne Leghorn, copper low-high premium, Grade A, cathode, cif, \$/tonne South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne South Korea, copper average premium, Grade A, cathode, cif, \$/tonne Southeast Asian warrants, Grade A cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne	35.0-45.0* 10.0-20.0* 35.0-60.0* 50* 45.0-55.0* 48* 5.0-10.0* 55.0-65.0* 59* 50.0-60.0*	0% 0% -5% 0% 0% 0% 0% 11.11% 11.32%	_	09 M 09 M 09 M 09 M 09 M 09 M
ondon afternoon 1,223.15 dandy/Harman 1,223.15 dandy/Harman 1,223.15 dandy/Harman 1,223.15 dandy/Harman 1,23.15 dandy/Harman 1,23.15 dandy/Harman 1,623 dandy/Harman	nge trad C	-0.43% -0.43% 0.78% 0.18% -0.18% -0.25% 1.01% 1.44% 1.56% 0.25% -24% de change* -2.55% -3.74% -3.45%	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	11 May 17 12 May 17 12 May 17 12 May 17 11 May 17 11 May 17 11 May 17 11 May 17 12 May 17 12 May 17 12 May 17	Rotterdam, Grade A, cathode, cif, \$/tonne North European warrants, Grade A cathode, in-warehouse, \$/tonne Leghorn, copper low-high premium, Grade A, cathode, cif, \$/tonne Leghorn, copper average premium, Grade A, cathode, cif, \$/tonne South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne South Korea, copper average premium, Grade A, cathode, cif, \$/tonne Southeast Asian warrants, Grade A cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne Shanghai, copper average premium, Grade A, cathode, cif, \$/tonne	35.0-45.0* 10.0-20.0* 35.0-60.0* 50* 45.0-55.0* 48* 5.0-10.0* 55.0-65.0* 59* 50.0-60.0*	0% 0% -5% 0% 0% 0% 0% 11.11% 11.32%	_	09 M 09 M 09 M 09 M 09 M 09 M
Alandy/Harman 1,223.15 Alandy/Harman 1,223.15 Alandy/Harman 1,623 Al	nge trad C	-0.43% 0.78% 0.18% -0.18% -0.25% 1.01% 1.44% 1.56% 0.25% -24% de change* -2.55% -3.74% -3.45%	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	11 May 17 12 May 17 12 May 17 11 May 17 12 May 17 12 May 17 12 May 17	Rotterdam, Grade A, cathode, cif, \$/tonne North European warrants, Grade A cathode, in-warehouse, \$/tonne Leghorn, copper low-high premium, Grade A, cathode, cif, \$/tonne Leghorn, copper average premium, Grade A, cathode, cif, \$/tonne South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne South Korea, copper low-high premium, Grade A, cathode, if, \$/tonne Southeast Asian warrants, Grade A cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne	35.0-45.0* 10.0-20.0* 35.0-60.0* 50* 45.0-55.0* 48* 5.0-10.0* 55.0-65.0* 59* 50.0-60.0*	0% 0% -5% 0% 0% 0% 0% 11.11% 11.32%	_	09 M 09 M 09 M 09 M 09 M
iliver per troy oz ondon spot pence 1,267.69 ondon spot pence 1,267.69 ondon spot cents 1,630 dandy/Harman 1,623 Palladium \$/troy oz ondon morning 802 ondon afternoon 804 Platinum \$/troy oz ondon morning 917 ondon afternoon 911 Cuala Lumpur tin market iin \$/tonne 19,900 COX iin PB300 settlement price \$/tonne 20,000 iin PB300 volume, tonnes 19 RAND FIXING PRICES Rand fixing prices per tonne for London Metal Exchological Price iin \$\frac{1}{2}\$ and \$\frac{1}{2}\$ in \$\frac{1}{2}	nge trad C	0.78% 0.18% -0.18% -0.25% 1.01% 1.44% 1.56% 0.25% -24% de change* -2.55% -3.74% -3.45%	A A A V	12 May 17 12 May 17 11 May 17 12 May 17 12 May 17	Rotterdam, Grade A, cathode, cif, \$/tonne North European warrants, Grade A cathode, in-warehouse, \$/tonne Leghorn, copper low-high premium, Grade A, cathode, cif, \$/tonne Leghorn, copper average premium, Grade A, cathode, cif, \$/tonne South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne South Korea, copper low-high premium, Grade A, cathode, if, \$/tonne Southeast Asian warrants, Grade A cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne	10.0-20.0* 35.0-60.0* 50* 45.0-55.0* 48* 5.0-10.0* 550-65.0* 59*	0% -5% 0% 0% 0% 0% 11.11%	_	09 M 09 M 09 M 09 M 09 M
ondon spot pence 1,267.69 ondon spot cents 1,630 dandy/Harman 1,623 Palladium \$/troy oz ondon morning 802 ondon afternoon 804 Platinum \$/troy oz ondon morning 917 ondon afternoon 911 Kuala Lumpur tin market Tin \$/tonne 19,900 CDX Tin PB300 settlement price \$/tonne 20,000 Tin PB300 volume, tonnes 19 RAND FIXING PRICES Price Opper 73,789.7 Aluminium 25,131.24 Cinc 34,515.4 Tin 266,150 EXCHANGE RATES ME settlement conversion rates JE 1.2855 LISS JE 1.2855 JE 1.2855 JE 1.2857 JE 1.2877 JA¥ 113.7050 JE 1.2877 JA¥ 113.7050 JE 1.2877 JA¥ 113.7050 JE 1.2877 JA¥ 113.7050 JE 1.2877	nge trad C	0.18% -0.18% -0.25% 1.01% 1.44% 0.25% 0.25% -24% de change* -2.55% -3.74% -3.45%	* * * * * * * * * * * * * * * * * * *	12 May 17 11 May 17 11 May 17 11 May 17 11 May 17 11 May 17 12 May 17 12 May 17 12 May 17	Rotterdam, Grade A, cathode, cif, \$/tonne North European warrants, Grade A cathode, in-warehouse, \$/tonne Leghorn, copper low-high premium, Grade A, cathode, cif, \$/tonne Leghorn, copper average premium, Grade A, cathode, cif, \$/tonne South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne South Korea, copper low-high premium, Grade A, cathode, if, \$/tonne Southeast Asian warrants, Grade A cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne	10.0-20.0* 35.0-60.0* 50* 45.0-55.0* 48* 5.0-10.0* 550-65.0* 59*	0% -5% 0% 0% 0% 0% 11.11%	_	09 M 09 M 09 M 09 M 09 M
ondon spot cents I,630 Idandy/Harman I,623 Palladium \$/troy oz ondon morning Ondon afternoon Platinum \$/troy oz ondon morning Ondon afternoon Platinum \$/troy oz ondon morning Ondon afternoon Flatinum \$/troy oz ondon morning Ondon afternoon In PB300 settlement price \$/tonne In PB300 settlement price \$/tonne In PB300 volume, tonnes Price Price AMD FIXING PRICES Rand fixing prices per tonne for London Metal Excho Price In PB300 settlement opice \$/tonne In PB300 volume, tonnes Price Aluminium 25,131.2i Exception 34,515.4 In 266,150 EXCHANGE RATES Price ME settlement conversion rates If 1.2855 If 1.2855 It 1.3860 It 1.2877 It 1.3860 It 1.2877 It 1.3860 It 1.2877 It 1.3860 It 1.3860 It 1.3860 It 1.3860 It 1.3860 It 1.3870 It 1.3860 It	nge trad C	0.18% -0.18% -0.25% 1.01% 1.44% 0.25% 0.25% -24% de change* -2.55% -3.74% -3.45%	* * * * * * * * * * * * * * * * * * *	12 May 17 11 May 17 11 May 17 11 May 17 11 May 17 11 May 17 12 May 17 12 May 17 12 May 17	cathode, in-warehouse, \$/tonne Leghorn, copper low-high premium, Grade A, cathode, cif, \$/tonne Leghorn, copper average premium, Grade A, cathode, cif, \$/tonne South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne South Korea, copper average premium, Grade A, cathode, cif, \$/tonne Southeast Asian warrants, Grade A cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper average premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne	35.0-60.0* 50* 45.0-55.0* 48* 5.0-10.0* 55.0-65.0* 59*	-5% 0% 0% 0% 0% 11.11% 11.32%	_	09 M 09 M 09 M 09 M 09 M
Alandy/Harman 1,623 Palladium \$/troy oz ondon morning 802 ondon afternoon 804 Platinum \$/troy oz ondon morning 917 ondon afternoon 911 Kuala Lumpur tin market Tin \$/tonne 19,900 CDX Tin PB300 settlement price \$/tonne 20,000 Tin PB300 volume, tonnes 19 RAND FIXING PRICES Rand fixing prices per tonne for London Metal Exche Price Aluminium 25,131.2i cinc 34,515.4 Tinc 34,515.4 T	nge trad C	-0.18% -0.25% 1.01% 1.44% 1.56% 0.25% -24% de change* -2.55% -3.74% -3.45%	* * * * * * * * * * * * * * * * * * *	11 May 17 11 May 17 11 May 17 11 May 17 11 May 17 12 May 17 12 May 17 12 May 17	Leghorn, copper low-high premium, Grade A, cathode, cif, \$/tonne Leghorn, copper average premium, Grade A, cathode, cif, \$/tonne South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne South Korea, copper average premium, Grade A, cathode, cif, \$/tonne Southeast Asian warrants, Grade A cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper average premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne	35.0-60.0* 50* 45.0-55.0* 48* 5.0-10.0* 55.0-65.0* 59*	-5% 0% 0% 0% 0% 11.11% 11.32%	_	09 M 09 M 09 M 09 M 09 M
Palladium \$/troy oz ondon morning 802 ondon afternoon 804 Platinum \$/troy oz ondon morning 917 ondon afternoon 911 Kuala Lumpur tin market Tin \$/tonne 19,900 CDX Tin PB300 settlement price \$/tonne 20,000 Tin PB300 volume, tonnes 19 RAND FIXING PRICES Rand fixing prices per tonne for London Metal Exche Price Ta,789.7 Aluminium 25,131.2 Each 28,947.7 Aluminium 25,131.2 Einc 34,515.4 Einc 34,515.4 Einc 34,515.4 Einc 124,653. Tin 266,150 EXCHANGE RATES Price ME settlement conversion rates Eige 1.2855 Eige 1.0870 Closing rates, midpoint Eige 1.0870 Closing rates, midpoint Eige 1.0868 Eige 1.1848 Eige 1.0868 Eige 1.1848 Eige 1.2855 Eige 1.1848 Eige 1.2855 Eige 1.2855 Eige 1.2857 Eige 1.2858 Eige 1.2858 Eige 1.2857 Eige 1.2857 Eige 1.2857 Eige 1.2857 Eige 1.2858 Eige 1.2858 Eige 1.2858 Eige 1.2858 Eige 1.2859	nge trad C	-0.25% 1.01% 1.44% 1.56% 0.25% 0.25% -24% de change* -2.55% -3.74% -3.45%	A A V	11 May 17 11 May 17 11 May 17 11 May 17 12 May 17 12 May 17 12 May 17	Grade A, cathode, cif, \$/tonne Leghorn, copper average premium, Grade A, cathode, cif, \$/tonne South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne South Korea, copper average premium, Grade A, cathode, cif, \$/tonne Southeast Asian warrants, Grade A cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper average premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne	50* 45.0-55.0* 48* 5.0-10.0* 55.0-65.0* 59* 50.0-60.0*	0% 0% 0% 0% 11.11% 11.32%	_	09 M 09 M 09 M 09 M
And prize the ment conversion rates ME settlement conversion	nge trad C	1.01% 1.44% 1.56% 0.25% 0.25% -24% de change [†] -2.55% -3.74% -3.45%	A A V	11 May 17 11 May 17 11 May 17 12 May 17 12 May 17 12 May 17	Leghorn, copper average premium, Grade A, cathode, cif, \$/tonne South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne South Korea, copper average premium, Grade A, cathode, cif, \$/tonne Southeast Asian warrants, Grade A cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper average premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne Shanghai, copper average premium, Grade A, cathode, cif, \$/tonne	50* 45.0-55.0* 48* 5.0-10.0* 55.0-65.0* 59* 50.0-60.0*	0% 0% 0% 0% 11.11% 11.32%	_	09 M 09 M 09 M 09 M
And price sper tonne for London Metal Exchange rates and 28,947. Aluminium (Site) (Si	nge trad C	1.01% 1.44% 1.56% 0.25% 0.25% -24% de change [†] -2.55% -3.74% -3.45%	A A V	11 May 17 11 May 17 11 May 17 12 May 17 12 May 17 12 May 17	Grade A, cathode, cif, \$/tonne South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne South Korea, copper average premium, Grade A, cathode, cif, \$/tonne Southeast Asian warrants, Grade A cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper average premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne Shanghai, copper average premium, Grade A, cathode, cif, \$/tonne	45.0-55.0* 48* 5.0-10.0* 55.0-65.0* 59* 50.0-60.0*	0% 0% 0% 11.11% 11.32%	_	09 M 09 M 09 M
Platinum \$/troy oz ondon morning 917 ondon afternoon 911 Kuala Lumpur tin market fin \$/tonne 19,900 CDX Tin PB300 settlement price \$/tonne 20,000 Tin PB300 volume, tonnes 19 RAND FIXING PRICES Rand fixing prices per tonne for London Metal Exchoper 73,789.7 Aluminium 25,131.2 Each 28,947.7 Aluminium 266,150 EXCHANGE RATES Price ME settlement conversion rates If 1.2855 If 1.2855 If 1.2877 If 2.877 If 3.886 If 1.8878 If 1.8878 If 1.8878 If 1.8878 If 1.8878 If 2.877 If 2.877 If 3.888 If 1.8888 If 1.8888 If 1.8888 If 1.8888 If 2.877 If 2.877 If 3.8888 If 3.88888 If 3.888888 If 3.88888 If 3.888	nge trad C	1.44% 1.56% 0.25% 0.25% -24% de change [†] -2.55% -3.74% -3.45%	A A V	11 May 17 11 May 17 12 May 17 12 May 17 12 May 17	South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne South Korea, copper average premium, Grade A, cathode, cif, \$/tonne Southeast Asian warrants, Grade A cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper average premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne Shanghai, copper average premium, Grade A, cathode, cif, \$/tonne	45.0-55.0* 48* 5.0-10.0* 55.0-65.0* 59* 50.0-60.0*	0% 0% 0% 11.11% 11.32%	_	09 M 09 M 09 M
ondon morning 917 ondon afternoon 911 Kuala Lumpur tin market iin \$/tonne 19,900 COX iin PB300 settlement price \$/tonne 20,000 iin PB300 volume, tonnes 19 RAND FIXING PRICES Rand fixing prices per tonne for London Metal Exchology Price Opper 73,789.1 Muminium 25,131.2 ead 28,947.1 finc 34,515.4 finc 34,515.4 finc 124,653. iin 266,150 EXCHANGE RATES Price ME settlement conversion rates I/£ 1.2855 I/¥ 113.860 I/€ 1.0870 Closing rates, midpoint I/£ 1.2877 I/Â¥ 113.7050 I/€ 1.0868 I/€ 1.0	nge trad C	1.56% 0.25% 0.25% -24% de change [†] -2.55% -3.74% -3.45%	A A V	11 May 17 12 May 17 12 May 17 12 May 17	South Korea, copper average premium, Grade A, cathode, cif, \$/tonne Southeast Asian warrants, Grade A cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper average premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne Shanghai, copper average premium, Grade A, cathode, cif, \$/tonne	48* 5.0-10.0* 55.0-65.0* 59* 50.0-60.0*	0% 0% 11.11% 11.32%	_	09 M 09 M 12 M
ondon afternoon 911 Kuala Lumpur tin market iin \$/tonne 19,900 COX iin PB300 settlement price \$/tonne 20,000 iin PB300 volume, tonnes 19 RAND FIXING PRICES Rand fixing prices per tonne for London Metal Exchology Opper 73,789.7 Aluminium 25,131.2 ead 28,947.7 Alickel 124,653.7 iin 266,150 EXCHANGE RATES Price ME settlement conversion rates I/£ 1.2855 I/¥ 113.860 I/€ 1.0870 Closing rates, midpoint I/£ 1.2877 I/Â¥ 113.7050 I/€ 1.0868 I/€	nge trad C	1.56% 0.25% 0.25% -24% de change [†] -2.55% -3.74% -3.45%	A A V	11 May 17 12 May 17 12 May 17 12 May 17	Grade A, cathode, cif, \$/tonne Southeast Asian warrants, Grade A cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper average premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne Shanghai, copper average premium, Grade A, cathode, cif, \$/tonne	5.0-10.0* 55.0-65.0* 59* 50.0-60.0*	0% 11.11% 11.32%	_	09 M
Kuala Lumpur tin market Tin \$/tonne 19,900 CDX Tin PB300 settlement price \$/tonne 20,000 Tin PB300 volume, tonnes 19 RAND FIXING PRICES Rand fixing prices per tonne for London Metal Exche Price Topper 73,789.7 Aluminium 25,131.2 Lead 28,947.7 Aluminium 25,131.2 Linc 34,515.4 Linc 124,653. L	nge trad C	0.25% 0.25% -24% de change [†] -2.55% -3.74% -3.45%	*	12 May 17 12 May 17 12 May 17	Southeast Asian warrants, Grade A cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper average premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne Shanghai, copper average premium, Grade A, cathode, cif, \$/tonne	5.0-10.0* 55.0-65.0* 59* 50.0-60.0*	0% 11.11% 11.32%	_	09 M
Tin \$/tonne 19,900 CDX Tin PB300 settlement price \$/tonne 20,000 Tin PB300 volume, tonnes 19 RAND FIXING PRICES Rand fixing prices per tonne for London Metal Exchology Price Topper 73,789.7 Muminium 25,131.2 Lead 28,947.7 Alickel 124,653.7 Tin 266,150 EXCHANGE RATES Price LME settlement conversion rates LANGE 1.2875 LANGE 1.2877 LANGE 1.2	nge trad C	0.25% -24% de Change * -2.55% -3.74% -3.45%	▲ ▼	12 May 17 12 May 17	cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper average premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne Shanghai, copper average premium, Grade A, cathode, cif, \$/tonne	55.0-65.0* 59* 50.0-60.0*	11.11%	_	12 M
CDX Tin PB300 settlement price \$/tonne 20,000 Tin PB300 volume, tonnes 19 RAND FIXING PRICES Rand fixing prices per tonne for London Metal Exchology Type 73,789.7 Muminium 25,131.2 Ead 28,947.7 Alickel 124,653.7 Tin 266,150 EXCHANGE RATES Price ME settlement conversion rates If 1.2855 I/¥ 113.860 I/€ 1.0870 Closing rates, midpoint I/f 1.2877 I/f 1.2877 I/f 1.0868 I/f 1	nge trad C	0.25% -24% de Change * -2.55% -3.74% -3.45%	▲ ▼	12 May 17 12 May 17	Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper average premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne Shanghai, copper average premium, Grade A, cathode, cif, \$/tonne	55.0-65.0* 59* 50.0-60.0*	11.11%	_	12 M
Tin PB300 settlement price \$/tonne 20,000 Tin PB300 volume, tonnes 19 RAND FIXING PRICES Rand fixing prices per tonne for London Metal Exche Price Topper 73,789.7 Aluminium 25,131.2 Ead 28,947.7 Aluminium 266,150 EXCHANGE RATES Price LME settlement conversion rates Solve 124,653. EXCHANGE RATES Price LME settlement conversion rates Solve 13,860 LOSTO 1,0870 Closing rates, midpoint Solve 1,0870 LOSTO 1,0870 SOLVE 1,0868 Ele 1,0868 E	nge trad C	-24% de change [†] -2.55% -3.74% -3.45%	▼	12 May 17	Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper average premium, Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne Shanghai, copper average premium, Grade A, cathode, cif, \$/tonne	59*	11.32%	_	
RAND FIXING PRICES Price	nge trad C	-24% de change [†] -2.55% -3.74% -3.45%	▼	12 May 17	Grade A, cathode, in-warehouse, \$/tonne Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne Shanghai, copper average premium, Grade A, cathode, cif, \$/tonne	50.0-60.0*			12 M
AND FIXING PRICES Price Opper 73,789.7 Juminium 25,31.2 ead 28,947.7 inc 34,515.4 inc 34,515.4 inc 266,150 EXCHANGE RATES Price ME settlement conversion rates If 1.2855 I¥ 113.860 I√€ 1.0870 Iosing rates, midpoint I/E 1.2877 I/Â¥ 113.7050 I/€ 1.0868 I/€ 1.0868 I/€ 1.1848 I/€ 1.1848 I/€ 1.1848 I/€ 1.1848 I/€ 1.1848 I/€ 1.1848 I/€ 1.2877 I/€ 1.0868 I/€ 1.1848 I/€ 1.2877 I/€ 1.0868 I/€ 1.0868 I/€ 1.1848 I/€ 1.2872 I/€ 1.2872 I/€ 1.2873 I/€ 1.2874 I/€ 1.2877 I/€ 1.2875 I/€ 1.2877 I	nge trad C	de -2.55% -3.74%	V		Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne Shanghai, copper average premium, Grade A, cathode, cif, \$/tonne	50.0-60.0*			12 M
Rand fixing prices per tonne for London Metal Exchoration Price 73,789.7 Aluminium 25,131.2i ead 28,947.7 Ginc 34,515.4 Ginc	5	-2.55% -3.74% -3.45%		Assessed	Grade A, cathode, cif, \$/tonne Shanghai, copper average premium, Grade A, cathode, cif, \$/tonne		10%	•	
Rand fixing prices per tonne for London Metal Exche Price Topper 73,789.7 Aluminium 25,131.2i Lead 28,947.7 Aluminium 34,515.4 Alicin 34,515.4 Alicin 34,515.4 Alicin 36,150 EXCHANGE RATES Price LME settlement conversion rates B/F 1.2855 B/F 113.8601 B/F 1.0870 Closing rates, midpoint B/F 1.2877 B/F 1.0868 B/F 1	5	-2.55% -3.74% -3.45%		Assessed	Shanghai, copper average premium, Grade A, cathode, cif, \$/tonne		10%	_	12.14
Price Topper 73,789.7 Muminium 25,131.21 Jead 28,947.1 Jinc 34,515.4 Jickel 124,653. Jin 266,150 EXCHANGE RATES Price ME settlement conversion rates Jif 1.2855 Jif 1.0870 Closing rates, midpoint 3/4 13.8600 Jif 1.2877 Jif 1.0868 Jif 1.0868 Jif 1.1848 Jif 1.1848 Jif 1.1848 Jif 1.1848 Jif 1.2877 Jif <	5	-2.55% -3.74% -3.45%		Assessed	Grade A, cathode, cif, \$/tonne				12 M
Taylor	5	-2.55% -3.74% -3.45%		Assessed		55*	7.84%	•	12 M
Aluminium 25,131.24 Lead 28,947.7 Lead 28,947.7 Linc 34,515.4 Linc 34,515.4 Linc 124,653. Linc 124,	5	-3.74% -3.45%							
28,947.7 Fine 34,515.4 Fine 34,515.4 Fine 124,653. Fine 266,150 EXCHANGE RATES Price LME settlement conversion rates Sife 1.2855 Sife 1.2870 Closing rates, midpoint Sife 1.2877 Fine 1.287	0	-3.45%	_	12 May 17	cathode premium indicator, \$/tonne	115.7-126.8*	0%		09 M
Section 124,653. 124,653. 124,653. 124,653. 124,653. 124,653. 124,653. 1266,150 124,653. 1266,150 126,655. 128,55 13.860 14.870 13.860 14.870 13.860 14.870 13.870 14.8	0		▼	12 May 17	Aluminium				
SEXCHANGE RATES Price		-2.17%	▼	12 May 17	Aluminium P1020A, in-whs Rotterdam				
266,150			▼	12 May 17	duty unpaid, spot low-high, \$/tonne	85.0-95.0*	-3.23%	•	12 M
## Price ME settlement conversion rates	30	1.9%	•	12 May 17	Aluminium P1020A, in-warehouse				
## Price ## 1.2855 ## 113.8600 ## 1.0870 ## 1.0870 ## 1.2877 ## 1.0870 ## 1.2877 ## 1.0868 ##	91	-2.46%	•	12 May 17	Rotterdam duty unpaid, spot weighted average, \$/tonne	90.5*	-2.69%	•	12 M
## Price LME settlement conversion rates					Aluminium P1020A, cif Korea (Gwangyang		2.0770	•	12.1
Price LME settlement conversion rates \$\(\frac{3}{5}\) \neq 113.8600 \$\(\frac{3}{5}\) \neq 1.0870 Closing rates, midpoint \$\(\frac{3}{5}\) \neq 1.2877 \$\(\frac{3}{6}\) \neq 1.2877 \$\(\frac{3}{6}\) \neq 1.37050 \$\(\frac{3}{6}\) \neq 1.0868 \$\(\frac{6}{5}\) \neq 1.0868 \$\(\frac{6}{5}\) \neq 1.1848 \$\(\frac{3}{5}\) \neq 1.1848 \$\(\frac{3}{5}\) \neq 1.085 BASE METALS ARBITRAGE Price Aluminium Import arbitrage, \$\(\frac{3}{5}\) tonne -350.18 Import arbitrage, RMB/tonne -2,422.8 Copper Import arbitrage, \$\(\frac{3}{5}\) tonne -82.25*					or Busan), spot low-high, \$/tonne	103-118*	5.24%	\blacktriangle	09 M
### 1.2855 ### 113.8600 ### 113.8600 ### 113.8600 ### 113.8600 ### 113.8600 ### 113.8600 #### 113.8600 #### 113.8600 #### 113.8600 #### 113.8600 #### 113.8600 ##### 113.8600 ##### 113.8600 ###################################	C	hange [†]		Assessed	Aluminium P1020A, cif Korea (Gwangyang				
1.2855 5/ ¥ 113.860 5/ € 1.0870 Closing rates, midpoint 1.2877 5/ Ê 1.2878 5/ Ê 1.0868 5/ € 1.0868 5/ € 1.1848 5/ CNY 6.9035 BASE METALS ARBITRAGE Price Pri		90		ribbebbea	or Busan), spot weighted average, \$/tonne	2 108*	0%		09 M
13.860 5/€ 1.0870 5/€ 1.0870 5/€ 1.0870 5/Ê 1.2877 5/Ê 1.37050 5/€ 1.0868 5/€ 1.1848 5/CNY 6.9035 6.9035 7.0868 8.76NY 6.9035 8.85E METALS ARBITRAGE Price Aluminium Import arbitrage, \$/tonne -350.18 Import arbitrage, RMB/tonne -2,422.8 Copper Import arbitrage, \$/tonne -82.25*		-0.65%	_	12 May 17	Aluminium P1020A, Southeast Asian warrants, in-warehouse, \$/tonne	7.0-20.0*	0%		09 M
1.0870 1.0870 1.0870 1.0870 1.0870 1.0870 1.0870 1.2877 1.2877 1.2877 1.0868 1.0868 1.0868 1.1848 1.0868 1.1848 1.0868		1.24%	<u> </u>	12 May 17	Aluminium P1020A, cif Shanghai, spot	1.0 20.0	0 70		0)11
1.2877		-0.8%	-	12 May 17	low-high, \$/tonne	90.0-100.0*	-5%	\blacksquare	09 M
1.2877 		-0.0 /0		12 May 11	Aluminium P1020A, cif Shanghai, spot				
### 113.7050 ### 113.7050 ### 1.0868 ### 1.0868 #### 1.1848 ###################################		0.20/	_	11 May 17	weighted average, \$/tonne	95*	-4.04%	▼	09 M
### 1.0868 ###################################		-0.3%	<u> </u>	11 May 17	Aluminium P1020A, cif main Japanese	4400 425 04	201		00.14
### 1.1848 ###/CNY 6.9035 #### 6.9035 ###################################		0.88%	_	11 May 17	ports, spot low-high, \$/tonne	110.0-125.0*	0%		09 M
BASE METALS ARBITRAGE Price Aluminium mport arbitrage, \$/tonne -350.18 mport arbitrage, RMB/tonne -2,422.8 Copper mport arbitrage, \$/tonne -82.25*		-0.71% 0.42%	<u> </u>	11 May 17	Aluminium P1020A, cif main Japanese ports, spot weighted average, \$/tonne	115*	0%		09 M
Price Aluminium mport arbitrage, \$/tonne -2,422.8 Copper mport arbitrage, \$/tonne -82.25*			_	11 May 17	Aluminium ingot ADC 12 spot, main	110	070		0,11
Price Aluminium mport arbitrage, \$/tonne -350.18 mport arbitrage, RMB/tonne -2,422.8 Copper mport arbitrage, \$/tonne -82.25*		0.09%		11 May 17	Japanese ports, \$/tonne	1,780*	-0.28%	\blacksquare	10 M
Price Aluminium mport arbitrage, \$/tonne -350.18 mport arbitrage, RMB/tonne -2,422.8 Copper mport arbitrage, \$/tonne -82.25*					Aluminium P1020A, cif main Japanese				
Aluminium mport arbitrage, \$/tonne -350.18 mport arbitrage, RMB/tonne -2,422.8 copper mport arbitrage, \$/tonne -82.25*					ports, quarterly, \$/tonne	128.0-128.0*	34.74%	_	22 M
mport arbitrage, \$/tonne -350.18 mport arbitrage, RMB/tonne -2,422.8 Copper mport arbitrage, \$/tonne -82.25*	C	hange [†]		Assessed	Aluminium extrusion billet premium 6063 cif Japan, yearly, \$/tonne	14.0 0 170 0*	00/		12 1
mport arbitrage, RMB/tonne -2,422.8 Copper mport arbitrage, \$/tonne -82.25*						140.0-170.0*	0%		13 J
Copper mport arbitrage, \$/tonne -82.25*	•	-8.95%	•	12 May 17	Aluminium P1020A, in-warehouse Rotterdam duty-paid, spot \$/tonne	145.0-155.0*	0%		12 M
mport arbitrage, \$/tonne -82.25*	5*	-8.86%	•	12 May 17	Aluminium P1020A, in-warehouse		,		
· • • • • • • • • • • • • • • • • • • •					Rotterdam duty-paid, for delivery three				
manutarhitraga DMD/tampa FCO O		70.08%	•	12 May 17	months forward, \$/tonne	145.0-155.0*	-1.64%	•	28 A
mport arbitrage, RMB/tonne -569.06		70.22%	A	12 May 17	Aluminium 6063 extrusion billet, in-whs	215 0 225 0*	0.700/	•	05.14
lickel	*				Rotterdam duty-paid, spot, \$/tonne	315.0-335.0*	0.78%		05 M
mport arbitrage, \$/tonne -297.78°	*	60.89%	•	12 May 17	Aluminium P1020A, delivered US midwest, spot, \$/Ib	0.092-0.095*	-0.53%	•	09 M
mport arbitrage, RMB/tonne -2,060.		61.04%	_	12 May 17	Aluminium P1020A, delivered Sao	0.072 0.077	3.55 /0	•	5711
linc				-,	Paulo region, spot, \$/tonne	240.0-270.0*	-4.67%	\blacksquare	09 M
mport arbitrage, \$/tonne -6.21*		-81.16%	•	12 May 17	Aluminium P1020A, cif Brazilian main				
Import arbitrage, 3/torne 0.21 -42.98*	8*		Ť	12 May 17	ports duty-unpaid, spot, \$/tonne	160.0-175.0*	-1.47%	▼	09 M
42.70	8*	-81.13%	•	12 Pilay II					
	8*	-81.13%							

	ily Number (9509.1			Copyright @	92002-2011	Meta	ii Dulletii
	Price	Change	Assessed	BASE METALS				
Aluminium 6063 + 6060 extrusion					Price	Change [†]		Assesse
billet, cif Brazilian main ports, spot (premium over LME cash), \$/tonne	280.0-340.0*	0%	21 Apr 17	Alumina				
lead	200.0 540.0	0 70	ZIAPIII	MB Chinese free market, metallurgical				
North European warrants, min 99.97%				grade, delivered duty paid, RMB/tonne	2,220.0-2,320.0		_	11 May
ingots, in-warehouse, \$/tonne	15.0-20.0*	0%	09 May 17	Alumina Index fob Australia	271.09*	-5%	•	11 May
Southeast Asian warrants, min 99.97%				Alumina Index fob Brazil	-10.02*			11 May
ingots, in-warehouse, \$/tonne	15.0-20.0*	-22.22% T	7 09 May 17	Alumina Index fob Brazil, inferred Brazil price \$ per dry metric ton	261.07*			11 May
USA lead premium 99.97%, delivered	0.00.010*	00/	00 1417	Copper & Brass	201.01			IIIIuy
domestic, \$/lb	0.09-0.10*	0%	09 May 17	Producer premium				
USA lead premium 99.97%, delivered domestic, cents/lb	9-10*	0%	09 May 17	Codelco: Contract 2016 Grade A				
USA lead premium 99.99%, delivered	7.0			cathode (average)	92.0	-17.86%	\blacksquare	04 Jan 1
domestic, cents/lb	10-12.5*	0%	09 May 17	Germany: (VDM) Electro, €/tonne				
Nickel				wirebar (DEL):	5,147.2-5,176.1	-1.82%	•	10 May
Shanghai, nickel low-high premium,				cathodes:	5,110.0-5,180.0	-1.81%	•	10 May
99.8% purity in-warehouse, \$/tonne	140.0-160.0*	-6.25% V	09 May 17	South Africa: Palabora copper rod	07517360	1.070/		01.14
Shanghai, nickel average premium, 99.8% purity in-warehouse, \$/tonne	155*	2 120/	7 00 May 17	7.90mm, Rand/tonne	87,547.360	1.87%		01 May
	155*	-3.12%	09 May 17	Copper concentrate Asia – Pacific Index RC import, US cents/Ib (twice				
Shanghai, nickel low-high premium, 99.8% purity, full plate, cif, \$/tonne	140.0-160.0*	-3.23% T	7 09 May 17	monthly on 15th and last day of month)	7.66-7.66*	0.66%		28 Apr
Shanghai, nickel premium, 99.8%				Copper concentrate Asia – Pacific				
purity full plate, cif, \$/tonne	150*	-3.23%	7 09 May 17	Index TC import, \$/dmt (twice monthly on	76 60 76 60*	0.6604		20 4
Southeast Asian warrants, min 99.80%				15th and last day of month)	76.60-76.60*	0.66%		28 Apr
full plates, in-warehouse, \$/tonne	50-90*	0%	09 May 17	Shanghai bonded copper stocks, tonnes	615,000-620,00	nn*-1 59%	\blacksquare	08 May
Southeast Asian warrants, min 99.80%	F 10*	0%	00 May 17	Nickel	0151000 020101	00 1.5570		ooriaj
briquettes, in-warehouse, \$/tonne uncut cathodes premium indicator	5-10* 160.0-180.0*		09 May 17 09 May 17	Nickel pig iron high grade NPI content				
4x4 cathodes premium indicator	250.0-300.0*	0.23 //	09 May 17	10-15% contract price delivered duty paid				
briquettes premium indicator	180.0-220.0*	0%	09 May 17	China RMB per nickel unit price	820-835*	-0.9%	•	09 May
US: melting premium indicator, \$/Ib	0.190-0.250*	0%	09 May 17	Nickel pig iron high grade NPI				
Tin	0.190 0.230	0 70	O F I I I I I	content 10-15% spot price China RMB per nickel unit price	820-830*	-0.6%	▼	09 May
								.,,
MD Europoan froe market				Nickel ore				
•	310-350*	-5 71% T	7 00 May 17	Nickel ore Laterite ore with 1.5% nickel				
Spot premium 99.9%, \$/tonne	310-350*	-5.71% - 3.85%	7 09 May 17	Nickel ore Laterite ore with 1.5% nickel content cif China, \$/tonne	32-33*	-10.96%	•	09 May
Spot premium 99.9%, \$/tonne Spot premium 99.85%, \$/tonne	310-350* 300-325*	-5.71% - 3.85%		Laterite ore with 1.5% nickel content cif China, \$/tonne Nickel ore 1.8% basis cif China, 15-20% Fe,	32-33*	-10.96%	•	09 May
Spot premium 99.9%, \$/tonne Spot premium 99.85%, \$/tonne United States New York spot,			7 09 May 17	Laterite ore with 1.5% nickel content cif China, \$/tonne Nickel ore 1.8% basis cif China, 15-20% Fe, water content: 30-35%, \$i:Mg ratio less			*	
Spot premium 99.9%, \$/tonne Spot premium 99.85%, \$/tonne United States New York spot, cents/lb	300-325*	-3.85% T	7 09 May 17	Laterite ore with 1.5% nickel content cif China, \$/tonne Nickel ore 1.8% basis cif China, 15-20% Fe, water content: 30-35%, \$i:Mg ratio less than 2, lot size 50,000 tonnes, \$/tonne	32-33* 48-53*	-10.96% -3.81%	*	
Spot premium 99.9%, \$/tonne Spot premium 99.85%, \$/tonne United States New York spot, cents/lb Zinc	300-325*	-3.85% T	7 09 May 17	Laterite ore with 1.5% nickel content cif China, \$/tonne Nickel ore 1.8% basis cif China, 15-20% Fe, water content: 30-35%, \$i:Mg ratio less than 2, lot size 50,000 tonnes, \$/tonne Lead	48-53*	-3.81%	*	09 May
Spot premium 99.9%, \$/tonne Spot premium 99.85%, \$/tonne United States New York spot, cents/lb Zinc North European warrants, min 99.995%	300-325*	-3.85% T	7 09 May 17	Laterite ore with 1.5% nickel content cif China, \$/tonne Nickel ore 1.8% basis cif China, 15-20% Fe, water content: 30-35%, \$i:Mg ratio less than 2, lot size 50,000 tonnes, \$/tonne Lead Germany: (VDM) virgin soft, €/tonne	48-53* 2,120-2,200	-3.81% -3.14%	*	09 May
Spot premium 99.9%, \$/tonne Spot premium 99.85%, \$/tonne United States New York spot, cents/Ib Zinc North European warrants, min 99.995% SHG ingots, \$/tonne MB EU: Special high grade, fca	300-325* 931-932 70.0-90.0*	-3.85% \ -0.21% \ 0%	09 May 17 11 May 17 09 May 17	Laterite ore with 1.5% nickel content cif China, \$/tonne Nickel ore 1.8% basis cif China, 15-20% Fe, water content: 30-35%, \$i:Mg ratio less than 2, lot size 50,000 tonnes, \$/tonne Lead Germany: (VDM) virgin soft, €/tonne European automotive battery premium	48-53* 2,120-2,200	-3.81% -3.14%	*	09 May
Spot premium 99.9%, \$/tonne Spot premium 99.85%, \$/tonne United States New York spot, cents/lb Zinc North European warrants, min 99.995% SHG ingots, \$/tonne MB EU: Special high grade, fca Rotterdam, \$/tonne	300-325* 931-932	-3.85% \ -0.21% \	09 May 17 11 May 17	Laterite ore with 1.5% nickel content cif China, \$/tonne Nickel ore 1.8% basis cif China, 15-20% Fe, water content: 30-35%, \$i:Mg ratio less than 2, lot size 50,000 tonnes, \$/tonne Lead Germany: (VDM) virgin soft, €/tonne European automotive battery premiur in-warehouse Rotterdam €/tonne	48-53* 2,120-2,200 n free market (I	-3.81% -3.14% Eurobat)	*	09 May 09 May 10 May
Spot premium 99.9%, \$/tonne Spot premium 99.85%, \$/tonne United States New York spot, cents/lb Zinc North European warrants, min 99.995% SHG ingots, \$/tonne MB EU: Special high grade, fca Rotterdam, \$/tonne Malaysia in-warehouse, 99.995% SHG	300-325* 931-932 70.0-90.0* 135.0-145.0*	-3.85% \ \ -0.21% \ \ 0% \ 0%	09 May 17 11 May 17 09 May 17 09 May 17	Laterite ore with 1.5% nickel content cif China, \$/tonne Nickel ore 1.8% basis cif China, 15-20% Fe, water content: 30-35%, \$i:Mg ratio less than 2, lot size 50,000 tonnes, \$/tonne Lead Germany: (VDM) virgin soft, €/tonne European automotive battery premiur in-warehouse Rotterdam €/tonne Soft lead (average)	48-53* 2,120-2,200 n free market (I	-3.81% -3.14% Eurobat)		09 May 10 May 30 Mar
Spot premium 99.9%, \$/tonne Spot premium 99.85%, \$/tonne United States New York spot, cents/lb Zinc North European warrants, min 99.995% SHG ingots, \$/tonne MB EU: Special high grade, fca Rotterdam, \$/tonne Malaysia in-warehouse, 99.995% SHG ingots, \$/tonne	300-325* 931-932 70.0-90.0*	-3.85% \ -0.21% \ 0%	09 May 17 11 May 17 09 May 17	Laterite ore with 1.5% nickel content cif China, \$/tonne Nickel ore 1.8% basis cif China, 15-20% Fe, water content: 30-35%, \$i:Mg ratio less than 2, lot size 50,000 tonnes, \$/tonne Lead Germany: (VDM) virgin soft, €/tonne European automotive battery premiur in-warehouse Rotterdam €/tonne Soft lead (average) Ca/Ca grid grid lead (average)	48-53* 2,120-2,200 n free market (l 155.55* 446.76*	-3.81% -3.14% Eurobat) -0.17% -1.95%	▼	09 May 10 May 30 Mar 30 Mar
Spot premium 99.9%, \$/tonne Spot premium 99.85%, \$/tonne United States New York spot, cents/lb Zinc North European warrants, min 99.995% SHG ingots, \$/tonne MB EU: Special high grade, fca Rotterdam, \$/tonne Malaysia in-warehouse, 99.995% SHG ingots, \$/tonne Singapore, zinclow-high premium,	300-325* 931-932 70.0-90.0* 135.0-145.0*	-3.85% \ \ -0.21% \ \ 0% \ 0%	09 May 17 11 May 17 09 May 17 09 May 17	Laterite ore with 1.5% nickel content cif China, \$/tonne Nickel ore 1.8% basis cif China, 15-20% Fe, water content: 30-35%, \$i:Mg ratio less than 2, lot size 50,000 tonnes, \$/tonne Lead Germany: (VDM) virgin soft, €/tonne European automotive battery premiur in-warehouse Rotterdam €/tonne Soft lead (average) Ca/Ca grid grid lead (average) Connector lead (average)	48-53* 2,120-2,200 In free market (I 155.55* 446.76* 587.36*	-3.81% -3.14% Eurobat) -0.17% -1.95% -1.64%		09 May 10 May 30 Mar 30 Mar
Spot premium 99.9%, \$/tonne Spot premium 99.85%, \$/tonne United States New York spot, cents/lb Zinc North European warrants, min 99.995% SHG ingots, \$/tonne MB EU: Special high grade, fca Rotterdam, \$/tonne Malaysia in-warehouse, 99.995% SHG ingots, \$/tonne Singapore, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne	300-325* 931-932 70.0-90.0* 135.0-145.0* 80.0-100.0*	-3.85% \ \ -0.21% \ \ 0% \ 0% \ 0% \ 0% \ \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \	7 09 May 17 7 11 May 17 09 May 17 09 May 17 09 May 17	Laterite ore with 1.5% nickel content cif China, \$/tonne Nickel ore 1.8% basis cif China, 15-20% Fe, water content: 30-35%, \$i:Mg ratio less than 2, lot size 50,000 tonnes, \$/tonne Lead Germany: (VDM) virgin soft, €/tonne European automotive battery premiur in-warehouse Rotterdam €/tonne Soft lead (average) Ca/Ca grid grid lead (average) Connector lead (average) European industrial battery premium in the soft lead (average)	48-53* 2,120-2,200 In free market (I 155.55* 446.76* 587.36*	-3.81% -3.14% Eurobat) -0.17% -1.95% -1.64%	▼	09 May 10 May 30 Mar 30 Mar
Spot premium 99.9%, \$/tonne Spot premium 99.85%, \$/tonne United States New York spot, cents/lb Zinc North European warrants, min 99.995% SHG ingots, \$/tonne MB EU: Special high grade, fca Rotterdam, \$/tonne Malaysia in-warehouse, 99.995% SHG ingots, \$/tonne Singapore, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne Singapore, zinc average premium, 99.995% purity, in-warehouse, \$/tonne	300-325* 931-932 70.0-90.0* 135.0-145.0* 80.0-100.0*	-3.85% \ \ -0.21% \ \ 0% \ 0% \ 0% \ 0% \ \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ 0% \	7 09 May 17 7 11 May 17 09 May 17 09 May 17 09 May 17	Laterite ore with 1.5% nickel content cif China, \$/tonne Nickel ore 1.8% basis cif China, 15-20% Fe, water content: 30-35%, \$i:Mg ratio less than 2, lot size 50,000 tonnes, \$/tonne Lead Germany: (VDM) virgin soft, €/tonne European automotive battery premiur in-warehouse Rotterdam €/tonne Soft lead (average) Ca/Ca grid grid lead (average) Connector lead (average) European industrial battery premium in-warehouse Rotterdam €/tonne	48-53* 2,120-2,200 In free market (I 155.55* 446.76* 587.36*	-3.81% -3.14% Eurobat) -0.17% -1.95% -1.64%	▼	09 May 10 May 30 Mar 30 Mar
Spot premium 99.9%, \$/tonne Spot premium 99.85%, \$/tonne United States New York spot, cents/lb Zinc North European warrants, min 99.995% SHG ingots, \$/tonne MB EU: Special high grade, fca Rotterdam, \$/tonne Malaysia in-warehouse, 99.995% SHG ingots, \$/tonne Singapore, zinclow-high premium, 99.995% purity, in-warehouse, \$/tonne Singapore, zinc average premium, 99.995% purity, in-warehouse, \$/tonne Shanghai, zinclow-high premium,	300-325* 931-932 70.0-90.0* 135.0-145.0* 80.0-100.0* 80.0-95.0* 91*	-3.85% \ \ -0.21% \ \ 0% \ \ 0% \ \ 0% \ \ -2.78% \ \ \ 0% \ \ 0%	09 May 17	Laterite ore with 1.5% nickel content cif China, \$/tonne Nickel ore 1.8% basis cif China, 15-20% Fe, water content: 30-35%, \$i:Mg ratio less than 2, lot size 50,000 tonnes, \$/tonne Lead Germany: (VDM) virgin soft, €/tonne European automotive battery premiur in-warehouse Rotterdam €/tonne Soft lead (average) Ca/Ca grid grid lead (average) Connector lead (average) European industrial battery premium in the soft lead (average)	48-53* 2,120-2,200 In free market (I 155.55* 446.76* 587.36*	-3.81% -3.14% Eurobat) -0.17% -1.95% -1.64%	*	09 May
MB European free market Spot premium 99.9%, \$/tonne Spot premium 99.85%, \$/tonne United States New York spot, cents/lb Zinc North European warrants, min 99.995% SHG ingots, \$/tonne MB EU: Special high grade, fca Rotterdam, \$/tonne Malaysia in-warehouse, 99.995% SHG ingots, \$/tonne Singapore, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne Singapore, zinc average premium, 99.995% purity, in-warehouse, \$/tonne Shanghai, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne	300-325* 931-932 70.0-90.0* 135.0-145.0* 80.0-100.0* 80.0-95.0*	-3.85% \ \ -0.21% \ \ 0% \ 0% \ 0% \ \ -2.78% \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	7 09 May 17 7 11 May 17 09 May 17 09 May 17 09 May 17 7 09 May 17	Laterite ore with 1.5% nickel content cif China, \$/tonne Nickel ore 1.8% basis cif China, 15-20% Fe, water content: 30-35%, \$i:Mg ratio less than 2, lot size 50,000 tonnes, \$/tonne Lead Germany: (VDM) virgin soft, €/tonne European automotive battery premium in-warehouse Rotterdam €/tonne Soft lead (average) Ca/Ca grid grid lead (average) Connector lead (average) European industrial battery premium in-warehouse Rotterdam €/tonne Stand-by refined or soft lead	48-53* 2,120-2,200 In free market (I 155.55* 446.76* 587.36* Free market (Eu	-3.81% -3.14% Eurobat) -0.17% -1.95% -1.64% robat)	*	09 May 10 May 30 Mar 30 Mar 30 Mar
Spot premium 99.9%, \$/tonne Spot premium 99.85%, \$/tonne United States New York spot, cents/lb Zinc North European warrants, min 99.995% SHG ingots, \$/tonne MB EU: Special high grade, fca Rotterdam, \$/tonne Malaysia in-warehouse, 99.995% SHG ingots, \$/tonne Singapore, zinclow-high premium, 99.995% purity, in-warehouse, \$/tonne Singapore, zinc average premium, 99.995% purity, in-warehouse, \$/tonne Singapore, zinc average premium,	300-325* 931-932 70.0-90.0* 135.0-145.0* 80.0-100.0* 80.0-95.0* 91*	-3.85% \ \ -0.21% \ \ 0% \ \ 0% \ \ 0% \ \ -2.78% \ \ \ 0% \ \ 0%	09 May 17	Laterite ore with 1.5% nickel content cif China, \$/tonne Nickel ore 1.8% basis cif China, 15-20% Fe, water content: 30-35%, \$i:Mg ratio less than 2, lot size 50,000 tonnes, \$/tonne Lead Germany: (VDM) virgin soft, €/tonne European automotive battery premium in-warehouse Rotterdam €/tonne Soft lead (average) Ca/Ca grid grid lead (average) Connector lead (average) European industrial battery premium in-warehouse Rotterdam €/tonne Stand-by refined or soft lead (average) Traction refined or soft lead (average)	2,120–2,200 In free market (I 155.55* 446.76* 587.36* Free market (Eu 280.46* 282.76	-3.81% -3.14% Eurobat) -0.17% -1.95% -1.64% robat) 0.33% 1.04%	* * * * * * * * * * * * * * * * * * *	09 May 10 May 30 Mar 30 Mar 30 Mar 30 Mar
Spot premium 99.9%, \$/tonne Spot premium 99.85%, \$/tonne United States New York spot, cents/lb Zinc North European warrants, min 99.995% SHG ingots, \$/tonne MB EU: Special high grade, fca Rotterdam, \$/tonne Malaysia in-warehouse, 99.995% SHG ingots, \$/tonne Singapore, zinc low-high premium, 699.995% purity, in-warehouse, \$/tonne Shanghai, zinc average premium, 699.995% purity, in-warehouse, \$/tonne	300-325* 931-932 70.0-90.0* 135.0-145.0* 80.0-100.0* 80.0-95.0* 91* 120.0-135.0*	-3.85% \ \ -0.21% \ \ 0% \ \ \ 0% \ \ \ 0% \ \ 0% \ \ 0% \ \ 0% \ \ \ 0% \ \ \ 0% \ \ \ 0% \ \ \ 0% \ \ \ 0% \ \ \ 0% \ \ \ 0% \ \ \ 0% \ \ \ \	9 May 17 09 May 17	Laterite ore with 1.5% nickel content cif China, \$/tonne Nickel ore 1.8% basis cif China, 15-20% Fe, water content: 30-35%, \$i:Mg ratio less than 2, lot size 50,000 tonnes, \$/tonne Lead Germany: (VDM) virgin soft, €/tonne European automotive battery premium in-warehouse Rotterdam €/tonne Soft lead (average) Ca/Ca grid grid lead (average) Connector lead (average) European industrial battery premium in-warehouse Rotterdam €/tonne Stand-by refined or soft lead (average) Traction refined or soft lead	2,120–2,200 In free market (I 155.55* 446.76* 587.36* Free market (Eu 280.46*	-3.81% -3.14% Eurobat) -0.17% -1.95% -1.64% robat) 0.33% 1.04%	* * * * * * * * * * * * * * * * * * *	09 May 10 May 30 Mar 30 Mar 30 Mar 30 Mar
Spot premium 99.9%, \$/tonne Spot premium 99.85%, \$/tonne United States New York spot, cents/lb Zinc North European warrants, min 99.995% SHG ingots, \$/tonne MB EU: Special high grade, fca Rotterdam, \$/tonne Malaysia in-warehouse, 99.995% SHG ingots, \$/tonne Singapore, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne Shanghai, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne Shanghai, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne	300-325* 931-932 70.0-90.0* 135.0-145.0* 80.0-100.0* 80.0-95.0* 91* 120.0-135.0*	-3.85%	09 May 17	Laterite ore with 1.5% nickel content cif China, \$/tonne Nickel ore 1.8% basis cif China, 15-20% Fe, water content: 30-35%, \$i:Mg ratio less than 2, lot size 50,000 tonnes, \$/tonne Lead Germany: (VDM) virgin soft, €/tonne European automotive battery premium in-warehouse Rotterdam €/tonne Soft lead (average) Ca/Ca grid grid lead (average) Connector lead (average) European industrial battery premium in-warehouse Rotterdam €/tonne Stand-by refined or soft lead (average) Traction refined or soft lead (average)	2,120–2,200 In free market (I 155.55* 446.76* 587.36* Free market (Eu 280.46*	-3.81% -3.14% Eurobat) -0.17% -1.95% -1.64% robat) 0.33% 1.04%	* * * * * * * * * * * * * * * * * * *	09 May 10 May 30 Mar 30 Mar 30 Mar 30 Mar
Spot premium 99.9%, \$/tonne Spot premium 99.85%, \$/tonne United States New York spot, cents/lb Zinc North European warrants, min 99.995% SHG ingots, \$/tonne MB EU: Special high grade, fca Rotterdam, \$/tonne Malaysia in-warehouse, 99.995% SHG ingots, \$/tonne Singapore, zinc low-high premium, 699.995% purity, in-warehouse, \$/tonne Shanghai, zinc average premium, 699.995% purity, in-warehouse, \$/tonne Shanghai, zinc average premium, 699.995% purity, in-warehouse, \$/tonne	300-325* 931-932 70.0-90.0* 135.0-145.0* 80.0-100.0* 80.0-95.0* 91* 120.0-135.0*	-3.85%	09 May 17	Laterite ore with 1.5% nickel content cif China, \$/tonne Nickel ore 1.8% basis cif China, 15-20% Fe, water content: 30-35%, \$i:Mg ratio less than 2, lot size 50,000 tonnes, \$/tonne Lead Germany: (VDM) virgin soft, €/tonne European automotive battery premium in-warehouse Rotterdam €/tonne Soft lead (average) Ca/Ca grid grid lead (average) Connector lead (average) European industrial battery premium in-warehouse Rotterdam €/tonne Stand-by refined or soft lead (average) Traction refined or soft lead (average) For an explanation of these premiums, see	2,120–2,200 In free market (I 155.55* 446.76* 587.36* Free market (Eu 280.46*	-3.81% -3.14% Eurobat) -0.17% -1.95% -1.64% robat) 0.33% 1.04%	▼ ▼	09 May 10 May 30 Mar 30 Mar 30 Mar 30 Mar
Spot premium 99.9%, \$/tonne Spot premium 99.85%, \$/tonne United States New York spot, cents/lb Zinc North European warrants, min 99.995% SHG ingots, \$/tonne MB EU: Special high grade, fca Rotterdam, \$/tonne Malaysia in-warehouse, 99.995% SHG ingots, \$/tonne Singapore, zinc low-high premium, 699.995% purity, in-warehouse, \$/tonne Shanghai, zinc average premium, 699.995% purity, in-warehouse, \$/tonne Shanghai, zinc average premium, 699.995% purity, in-warehouse, \$/tonne	300-325* 931-932 70.0-90.0* 135.0-145.0* 80.0-100.0* 80.0-95.0* 91* 120.0-135.0*	-3.85%	09 May 17	Laterite ore with 1.5% nickel content cif China, \$/tonne Nickel ore 1.8% basis cif China, 15-20% Fe, water content: 30-35%, \$i:Mg ratio less than 2, lot size 50,000 tonnes, \$/tonne Lead Germany: (VDM) virgin soft, €/tonne European automotive battery premium in-warehouse Rotterdam €/tonne Soft lead (average) Ca/Ca grid grid lead (average) Connector lead (average) European industrial battery premium in-warehouse Rotterdam €/tonne Stand-by refined or soft lead (average) Traction refined or soft lead (average) For an explanation of these premiums, see Zinc	2,120-2,200 In free market (I 155.55* 446.76* 587.36* Free market (Eu 280.46* 282.76	-3.81% -3.14% Eurobat) -0.17% -1.95% -1.64% robat) 0.33% 1.04% robat.org/sta	▼ ▼	09 May 10 May 30 Mar 30 Mar 30 Mar 30 Mar

PRECIOUS METALS	ily Number 9	, , , , , , , , , , , , , , , , , , ,				Duine	Chan	1etal Bu	
TILEGOUS METALS						Price	Change	ASS	sess
	Price C	hange [†]	А	ssessed	Gallium				
ridium					MB free market \$/kg	120-150*	-1.82%	▼ 12 I	May
MB free market: min 99.9%, \$/troy oz					MB China domestic, min 99.99%, RMB/kg	720-750*	-3.92%	▼ 10 l	Ma
n-warehouse	920-1,020*	2.11%	▲ 1	12 May 17	Germanium	120 130	J.92 /0	¥ 101	Maj
ohnson Matthey base price: (unfab)	0.5	4.070/		12.14 47	Germanium dioxide MB free market				
S/troy oz (08 hrs)	945			12 May 17	\$/kg	700-780*	0%	12	Ma
Englehard base price: \$/troy oz	945	2.72%	A 1	12 May 17	Germanium metal \$/kg Rotterdam	1,050-1,250*	0%	12 [Ma
Palladium					Germanium metal MB China domestic,				
European free market: min 99.9%, S/troy oz in-warehouse	804-812*	0.94%	A 1	12 May 17	min 99.999%, RMB/kg	7,200-7,400*	-0.68%	▼ 10 I	Ma
Englehard base price: \$/troy oz	812			12 May 17	Hafnium				
ohnson Matthey base price: (unfab)	012	0.1270		12 May 11	Hafnium 1% Zr max, in-warehouse	000 1 000*	F0/ 1	_ 12	
l/troy oz (08 hrs)	812	0.25%	A 1	12 May 17	global locations, \$/kg	900-1,000*	-5%	▼ 12 I	Ма
Platinum					Indium		-01		
European free market: min 99.9%,					MB free market \$/kg	190-230*	0%		Ma
Itroy oz in-warehouse	911-928*			12 May 17	MB China domestic, min 99.99% RMB/kg	1,250-1,280*	0%	10 1	Ма
Englehard base price: \$/troy oz	924	1.87%	A 1	12 May 17	Indium Corp ingots min 99.97% \$/kg fob	440	-40.94%	V 26	Jur
Johnson Matthey base price: (unfab)	020	1 520/		12 May 17	Magnesium	110	10.7170	, 20.	-
i/troy oz (08 hrs)	928	1.53%	A 1	12 May 17	European free market \$ per tonne	2,200-2,300*	0%	12	Ma
Rhodium					China free market min 99.8% Mg, fob	21200 21300	0 70	12 1	i-id
European free market: min 99.9%, S/troy oz in-warehouse	880-980*	-5.1%	V 1	12 May 17	China main ports, \$ per tonne	2,200-2,220*	0%	05 I	Ma
Englehard base price: \$/troy oz	950			12 May 17	MB Chinese free market min 99% Mg,				
ohnson Matthey base price: (unfab)	77.			<u>-</u>	ex-works RMB/tonne	14,500-14,800*	0.69%	▲ 051	Ма
/troy oz (08 hrs)	950	-3.55%	▼ 1	12 May 17	Manganese flake				
Ruthenium					MB free market \$/tonne	2,100-2,200*	0%	12 I	Ма
uropean free market: min 99.9%,					Mercury				
/troy oz in-warehouse	60-70*	0%		12 May 17	MB free market \$ per flask	1,150-1,400*	0%	12 /	Ма
inglehard base price: \$/troy oz	66	0%	1	12 May 17	Rhenium in-warehouse Rotterdam de	ıty paid			
ohnson Matthey base price: (unfab) S/troy oz (08 hrs)	65	0%	1	12 May 17	Metal pellets, min 99.9% \$/Ib	700-800*	0%	12 /	Ма
1110y 02 (00 1113)	05	0 70	'	12 1 1 1 u y 1 1	APR catalytic grade \$/kg Re	1,600-1,800*	0%	12	Ma
MINOR METALS					Selenium				
TINOR PIETALS					MB free market \$/Ib	19.5-21.5*	0%	12 /	Ма
	Price C	hange [†]	Α	ssessed	MB China domestic, min 99.9%, RMB/kg	350-380*	0%	12 /	Ма
Antimony					Selenium dioxide, MB China domestic,				
MB free market Regulus, min 99.65%, max Se 50 ppm, max 100 ppm Bi,					min 98%, RMB/kg	230-240*	-7.84%	▼ 12 I	Ma
Itax se so ppint, max roo ppin bi, Itonne in-warehouse Rotterdam	8,800-9,150*	-0.83%	▼ 1	12 May 17	Silicon				
MMTA Standard Grade II, \$/tonne					MB free market €/tonne	1,900-1,980*	0%		Ma
n-warehouse Rotterdam	8,700-9,050*	-0.56%	▼ 1	12 May 17	US free market cents/Ib	107-110*	3.33%	▲ 10 l	Ma
MB Chinese free market MMTA Standard	61 000 63 000*	1 650/	A 1	0 May 17	Export from mainland China min 98.5%, \$/tonne fob	1,440-1,460*	0.35%	▲ 051	Ma
Grade II, delivered duty paid RMB/tonne	61,000-62,000*	1.65%	A 1	0 May 17	Tellurium	1,440 1,400	0.5570	0)1	riu
Arsenic	0.00.135*	00/		12 May 17	MB free market \$/kg	30-40*	0%	12	Ma
		0%		12 May 17	MB China domestic, min 99.99%,	JU 40	0 70	12 1	Ма
MB free market \$/Ib	0.90-1.25*				r 19 citina aviilejae, illili 22,22 /0,				
MB free market \$/Ib Bismuth					RMB/kg	410-450*	3.61%	▲ 12 I	Ma
MB free market \$/Ib Bismuth MB free market \$/Ib	4.80-5.10*			12 May 17		410-450*	3.61%	≜ 12 l	Ма
MB free market \$/Ib Bismuth MB free market \$/Ib MB China domestic, min 99.99%,	4.80-5.10*	1.02%	A 1	-	RMB/kg	410-450*	3.61%	<u>▲ 12 l</u>	Ма
MB free market \$/Ib Bismuth MB free market \$/Ib MB China domestic, min 99.99%, RMB/tonne		1.02%	A 1	12 May 17 12 May 17	RMB/kg Titanium	410-450* 4.80-5.30*		▲ 12 I ▲ 10 I	
MB free market \$/Ib Bismuth MB free market \$/Ib MB China domestic, min 99.99%, RMB/tonne Cadmium	4.80-5.10* 72,000-73,000*	1.02% <i>2</i>	<u>▲</u> 1	12 May 17	RMB/kg Titanium MB free market ferro-titanium 70% (max 4.5% AI) \$/kg Ti d/d Europe Titanium ores \$/tonne				
AB free market \$/Ib Bismuth AB free market \$/Ib AB China domestic, min 99.99%, BMB/tonne Cadmium AB free market min 99.95% cents/Ib	4.80-5.10* 72,000-73,000* 75-83*	1.02% 2.47% 2.0%	▲ 1 ▲ 1	12 May 17	RMB/kg Titanium MB free market ferro-titanium 70% (max 4.5% Al) \$/kg Ti d/d Europe Titanium ores \$/tonne Rutile conc min 95% Tio2 bagged ,	4.80-5.30*	0.5%	▲ 101	Ma
MB free market \$/Ib Bismuth MB free market \$/Ib MB China domestic, min 99.99%, RMB/tonne Cadmium MB free market min 99.95% cents/Ib MB free market min 99.99% cents/Ib	4.80-5.10* 72,000-73,000*	1.02% <i>2</i>	▲ 1 ▲ 1	12 May 17	RMB/kg Titanium MB free market ferro-titanium 70% (max 4.5% Al) \$/kg Ti d/d Europe Titanium ores \$/tonne Rutile conc min 95% Tio2 bagged , fob/Aus			▲ 101	Ма
MB free market \$/Ib Bismuth MB free market \$/Ib MB China domestic, min 99.99%, RMB/tonne Cadmium MB free market min 99.95% cents/Ib MB free market min 99.99% cents/Ib Chromium	4.80-5.10* 72,000-73,000* 75-83*	1.02% 2.47% 2.0%	▲ 1 ▲ 1	12 May 17	RMB/kg Titanium MB free market ferro-titanium 70% (max 4.5% Al) \$/kg Ti d/d Europe Titanium ores \$/tonne Rutile conc min 95% Tio2 bagged , fob/Aus Rutile bulk conc min 95% Tio2	4.80-5.30* 770-850	0.5%	10 1	Ma Ma
AB free market \$/Ib Bismuth AB free market \$/Ib AB China domestic, min 99.99%, RMB/tonne Cadmium AB free market min 99.95% cents/Ib AB free market min 99.99% cents/Ib Chromium AB free market min 99.99% cents/Ib	4.80-5.10* 72,000-73,000* 75-83*	1.02% 2.47% 2.0%	▲ 1 1 1	12 May 17	RMB/kg Titanium MB free market ferro-titanium 70% (max 4.5% Al) \$/kg Ti d/d Europe Titanium ores \$/tonne Rutile conc min 95% Tio2 bagged , fob/Aus Rutile bulk conc min 95% Tio2 fob/Aus	4.80-5.30*	0.5%	10 1	Ma Ma
AB free market \$/Ib Bismuth AB free market \$/Ib AB China domestic, min 99.99%, EMB/tonne Cadmium AB free market min 99.95% cents/Ib AB free market min 99.99% cents/Ib Chromium AB free market alumino-thermic min 19% \$/tonne	4.80-5.10* 72,000-73,000* 75-83* 78-87*	1.02% 2.47% 2.0% 0% 0%	▲ 1 1 1	12 May 17 12 May 17 12 May 17	RMB/kg Titanium MB free market ferro-titanium 70% (max 4.5% Al) \$/kg Ti d/d Europe Titanium ores \$/tonne Rutile conc min 95% Tio2 bagged , fob/Aus Rutile bulk conc min 95% Tio2	4.80-5.30* 770-850	0.5%	10 l	Ma Ma
AB free market \$/Ib Dismuth AB free market \$/Ib AB China domestic, min 99.99%, MB/tonne admium AB free market min 99.95% cents/Ib Are market min 99.99% cents/Ib Are market min 99.99% cents/Ib Are market alumino-thermic min 9% \$/tonne Obalt	4.80-5.10* 72,000-73,000* 75-83* 78-87* 8,050-8,300*	1.02% 2.47% 4 0% 0%	▲ 1 1 1 1	12 May 17 12 May 17 12 May 17 12 May 17	RMB/kg Titanium MB free market ferro-titanium 70% (max 4.5% Al) \$/kg Ti d/d Europe Titanium ores \$/tonne Rutile conc min 95% Tio2 bagged , fob/Aus Rutile bulk conc min 95% Tio2 fob/Aus Ilmenite bulk conc min 54% Tio2 fob/	4.80-5.30* 770-850 710-770	0.5%	10 l	Ma Ma
AB free market \$/Ib AB free market \$/Ib AB China domestic, min 99.99%, AB free market min 99.95% cents/Ib Chromium AB free market alumino-thermic min 199% \$/Itonne Cobalt AB free market high-grade \$/Ib	4.80-5.10* 72,000-73,000* 75-83* 78-87* 8,050-8,300* 27-28.35*	1.02% 2.47%	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12 May 17 12 May 17 12 May 17 12 May 17	RMB/kg Titanium MB free market ferro-titanium 70% (max 4.5% Al) \$/kg Ti d/d Europe Titanium ores \$/tonne Rutile conc min 95% Tio2 bagged , fob/Aus Rutile bulk conc min 95% Tio2 fob/Aus Ilmenite bulk conc min 54% Tio2 fob/	4.80-5.30* 770-850 710-770	0.5%	10 l	Ma Ma
AB free market \$/Ib Bismuth AB free market \$/Ib AB China domestic, min 99.99%, MB China domestic, min 99.99%, MB China domestic, min 99.99%, Cadmium AB free market min 99.95% cents/Ib Chromium AB free market alumino-thermic min 199% \$/tonne Cobalt AB free market high-grade \$/Ib AB free market low-grade \$/Ib	4.80-5.10* 72,000-73,000* 75-83* 78-87* 8,050-8,300*	1.02% 2.47%	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12 May 17 12 May 17 12 May 17 12 May 17	RMB/kg Titanium MB free market ferro-titanium 70% (max 4.5% Al) \$/kg Ti d/d Europe Titanium ores \$/tonne Rutile conc min 95% Tio2 bagged , fob/Aus Rutile bulk conc min 95% Tio2 fob/Aus Ilmenite bulk conc min 54% Tio2 fob/	4.80-5.30* 770-850 710-770	0.5%	10 l	Ma Ma
MB free market \$/Ib MB free market \$/Ib MB China domestic, min 99.99%, RMB/tonne Cadmium MB free market min 99.95% cents/Ib MB free market min 99.99% cents/Ib Chromium MB free market alumino-thermic min 199% \$/tonne Cobalt MB free market high-grade \$/Ib MB free market low-grade \$/Ib MB free market low-grade \$/Ib MB free market low-grade \$/Ib	4.80-5.10* 72,000-73,000* 75-83* 78-87* 8,050-8,300* 27-28.35*	1.02% 2.47% 4 0% 0% 0% 1.1% 4 -0.79% 2	1 1 1 1	12 May 17 12 May 17 12 May 17 12 May 17	RMB/kg Titanium MB free market ferro-titanium 70% (max 4.5% Al) \$/kg Ti d/d Europe Titanium ores \$/tonne Rutile conc min 95% Tio2 bagged , fob/Aus Rutile bulk conc min 95% Tio2 fob/Aus Ilmenite bulk conc min 54% Tio2 fob/	4.80-5.30* 770-850 710-770	0.5%	10 l	
MB free market \$/Ib MB free market \$/Ib MB China domestic, min 99.99%, RMB/tonne Cadmium MB free market min 99.95% cents/Ib MB free market min 99.99% cents/Ib Chromium MB free market alumino-thermic min 199% \$/tonne Cobalt MB free market high-grade \$/Ib MB free market low-grade \$/Ib MB free market low-grade \$/Ib MB free market low-grade \$/Ib MB high-grade, weighted average of BII confirmed international trades, \$/Ib MB low-grade, weighted average of	4.80-5.10* 72,000-73,000* 75-83* 78-87* 8,050-8,300* 27-28.35* 24.10-26* 27.28*	1.02%	▲ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12 May 17 12 May 17 12 May 17 12 May 17 12 May 17 12 May 17 12 May 17	RMB/kg Titanium MB free market ferro-titanium 70% (max 4.5% Al) \$/kg Ti d/d Europe Titanium ores \$/tonne Rutile conc min 95% Tio2 bagged , fob/Aus Rutile bulk conc min 95% Tio2 fob/Aus Ilmenite bulk conc min 54% Tio2 fob/	4.80-5.30* 770-850 710-770	0.5%	10 l	Ma Ma
AB free market \$/Ib AB free market \$/Ib AB China domestic, min 99.99%, RMB/tonne Cadmium AB free market min 99.95% cents/Ib AB free market min 99.99% cents/Ib Chromium AB free market alumino-thermic min 199% \$/tonne Cobalt AB free market high-grade \$/Ib AB free market low-grade \$/Ib AB free market low-grade \$/Ib AB low-grade, weighted average of till confirmed international trades, \$/Ib AB low-grade, weighted average of till confirmed international trades, \$/Ib	4.80-5.10* 72,000-73,000* 75-82* 78-87* 8,050-8,300* 27-28.35* 24.10-26*	1.02% 2.47%	▲ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12 May 17 12 May 17 12 May 17 12 May 17 12 May 17 12 May 17	RMB/kg Titanium MB free market ferro-titanium 70% (max 4.5% Al) \$/kg Ti d/d Europe Titanium ores \$/tonne Rutile conc min 95% Tio2 bagged , fob/Aus Rutile bulk conc min 95% Tio2 fob/Aus Ilmenite bulk conc min 54% Tio2 fob/	4.80-5.30* 770-850 710-770	0.5%	10 l	Ma Ma
AB free market \$/Ib Bismuth AB free market \$/Ib AB China domestic, min 99.99%, AMB/Itonne Cadmium AB free market min 99.95% cents/Ib AB free market alumino-thermic min 199% \$/Itonne Cobalt AB free market low-grade \$/Ib AB free market low-grade \$/Ib AB high-grade, weighted average of Ill confirmed international trades, \$/Ib AB low-grade, weighted average of Ill confirmed international trades, \$/Ib AB low-grade, weighted average of Ill confirmed international trades, \$/Ib AB Low-grade, weighted average of Ill confirmed international trades, \$/Ib AB China domestic, min 99.8%	4.80-5.10* 72,000-73,000* 75-83* 78-87* 8,050-8,300* 27-28.35* 24.10-26* 27.28* 25.23*	1.02% 2.47% 0% 0% 0% 0% 1.1%0.79% 1.16% 1.16%	▲ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12 May 17 12 May 17 12 May 17 12 May 17 12 May 17 12 May 17 12 May 17	RMB/kg Titanium MB free market ferro-titanium 70% (max 4.5% Al) \$/kg Ti d/d Europe Titanium ores \$/tonne Rutile conc min 95% Tio2 bagged , fob/Aus Rutile bulk conc min 95% Tio2 fob/Aus Ilmenite bulk conc min 54% Tio2 fob/	4.80-5.30* 770-850 710-770	0.5%	10 l	Ma Ma
MB free market \$/Ib MB free market \$/Ib MB China domestic, min 99.99%, RMB/tonne Cadmium MB free market min 99.95% cents/Ib MB free market min 99.99% cents/Ib Chromium MB free market alumino-thermic min 199% \$/tonne Cobalt MB free market high-grade \$/Ib MB free market low-grade \$/Ib MB free market low-grade \$/Ib MB free market low-grade \$/Ib MB high-grade, weighted average of all confirmed international trades, \$/Ib	4.80-5.10* 72,000-73,000* 75-83* 78-87* 8,050-8,300* 27-28.35* 24.10-26* 27.28*	1.02% 2.47% 0% 0% 0% 0% 1.1%0.79% 1.16% 1.16%	▲ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12 May 17 12 May 17 12 May 17 12 May 17 12 May 17 12 May 17 12 May 17	RMB/kg Titanium MB free market ferro-titanium 70% (max 4.5% Al) \$/kg Ti d/d Europe Titanium ores \$/tonne Rutile conc min 95% Tio2 bagged , fob/Aus Rutile bulk conc min 95% Tio2 fob/Aus Ilmenite bulk conc min 54% Tio2 fob/	4.80-5.30* 770-850 710-770	0.5%	10 l	Ma Ma

15 May 2017 Metal Bulletin Dai NOBLE ALLOYS & ORES						Price	Change		Assess
NUBLE ALLUTS & UKES	n !	et 4			Chusuna aus é Manusa	riice	change		A33C3
	Price	Change [†]		Assessed	Chrome ore \$/tonne				
Molybdenum molybdic oxide					Chrome ore cif main Chinese ports				
Europe drummed molybdic oxide \$/Ib Mo	8.30-8.45*	-0.3%	▼	12 May 17	South African UG2 chrome ore concs, index basis 42%	151*	-34.63%	▼	12 M
US canned molybdic oxide \$/Ib Mo	8.40-8.55*	-2.02%	Ť	11 May 17	Turkish lumpy 40–42% cfr main Chinese	.,,	7110770		
Ferro-molybdenum	0.10 0.33	2.0270		iiiiuy ii	ports	240-250*	-30%	▼	12 M
Basis 65% min, in-warehouse					Ferro-manganese				
Rotterdam \$/kg Mo	20.20-21*	-0.96%	\blacksquare	12 May 17	basis 78% Mn (scale pro rata)				
US free market 65–70% Mo \$/Ib					standard 7.5% C €/tonne	1,200-1,280*	0%		12 M
in-warehouse Pittsburgh	10.30-10.60*	-2.79%	•	11 May 17	US free market 78% Mn standard 7.5% C \$/long ton in-warehouse Pittsburgh	1,390-1,430*	0.71%	•	11 M
MB Chinese free market concentrate	1 170 1 10 0 *	0.04.0/	_	10 May 17	US free market medium carbon duty	1,590-1,450	0.1170	_	11 141
45% Mo in-warehouse China RMB/mtu	1,170-1,190*	-0.84%		10 May 17	paid fob Pittsburgh, 80% min Mn 1.5%				
Tungsten	242 2224	4.470/		42.14	max C \$/Ib	1.10-1.15*	1.35%	\blacktriangle	11 M
European free market APT \$/mtu	212-222*	1.17%		12 May 17	MB Chinese free market min 65% Mn				
Export from mainland China APT Chinese No1 grade, min 88.5% W03, S/mtu fob	216-220*	0%		10 May 17	max 7.0% C in-warehouse China RMB/tonne	6,200-6,400*	0%		12 M
MB Chinese free market concentrate	210 220	070		10 Tiuy II	Manganese ore	0,200 0,400	0 70		12 111
65% Wo3 in-warehouse China RMB/tonne	83,500-85,000	* 0.9%		10 May 17	44% Mn, cif Tianjin \$/dmtu of metal				
Ferro-tungsten					contained	5.49*	-2.83%	\blacksquare	12 Ma
Basis 75% W min \$/kg W in-warehouse					37% Mn, fob Port Elizabeth \$/dmtu of				
Rotterdam duty unpaid	25.40-26.25*	-0.19%	•	12 May 17	metal contained	4.38*	7.62%	A	12 Ma
China export min 75% \$/kg W, fob China	26.5-27*	0%		10 May 17	Ferro-silicon				
Vanadium					Lumpy basis 75% Si (scale pro rata)				
Ferro-vanadium basis 78% min, free					<i>€I</i> tonne	1,280-1,350*	2.33%	A	12 M
delivery duty paid consumer plant, 1st grade, Western Europe \$/kg V	27.20-28*	-0.63%	_	12 May 17	US free market \$/Ib in-warehouse				
US free market ferro-vanadium \$/Ib	21.20-26	-0.05/6		12 May 11	Pittsburgh lumpy basis 75% Si – imported	0.79-0.82*	2.55%	•	11 M
in-warehouse Pittsburgh	12.5-13*	0%		11 May 17	Export from mainland China, min 75%	011, 0102	21,7,7,0	_	
Vanadium pentoxide min 98%,					Si, 7.5% C, \$/tonne, fob	1,130-1,150*	0.44%	\blacktriangle	12 Ma
in-warehouse Rotterdam \$ per lb V205	5.95-6.40*	1.65%		12 May 17	MB Chinese free market min 75% Si,				
Zircon					in-warehouse China, RMB/tonne	5,400-5,600*	0%		12 M
Foundry grade bulk \$/tonne fob					Silico-manganese				
Australia	950-1,000	0%		11 May 17	Lumpy basis 65–75% Mn basis 15–19%	4 000 4 430*	4.050/		42.14
Premium bulk \$/tonne fob Australia	1,000-1,050	0%		11 May 17	Si (scale pro rata) €/tonne	1,080-1,120*	1.85%	_	12 M
					US free market \$/Ib in-warehouse Pittsburgh	0.65-0.68*	0%		11 M
BULK ALLOYS					MB Chinese free market min 65% Mn	0.00 0.00	0,0		
	Price	Change [†]		Assessed	max 17% Si in-warehouse China				
Ferro-chrome \$/lb Cr					RMB/tonne	6,500-6,800*	0.76%		12 M
China import charge chrome 50% Cr					65% min Mn 16% min Si \$/tonne fob	1 040 1100*	0.020/	_	12 M
index, cif Shanghai, duty unpaid	1.11*	-0.89%	▼	12 May 17	India	1,040-1,100*	-0.93%	•	12 Ma
Ferro-Chrome European Benchmark									
Indicator, Lumpy Cr charge basis 52% (and high carbon), \$ per Ib	1.52*	-0.65%	▼	12 May 17					
Spot 6-8% C basis 50% Cr delivered	1.52	-0.05/6		12 May 11					
duty paid China RMB/tonne	6,900-7,100*	-20%	\blacksquare	12 May 17					
Contract 6-8% C basis 50% Cr									
delivered duty paid China RMB/tonne	6,900-7,100*	-28.02%	▼	12 May 17					
Lumpy Cr charge basis 52% Cr (and									
high carbon) quarterly	1.54*	-6.67%	_	01 Apr 17					
6-8% C basis 60% Cr max 1.5% Si	1.30-1.42*	-0.73%	_	12 May 17					
0.10% C average 60-70% Cr	2.08-2.20*	-1.15%	▼	05 May 17					
European low carbon in-warehouse 0.06% C max - 65% Cr	2 11_2 22*	-1 1/.0/	•	05 May 17					
Low phosphorous Cr min 65% C max 7%	2.11-2.22*	-1.14%	_	05 May 17					
Si max 1% p max 0.015% Ti max 0.05%	1.37-1.5*	0%		05 May 17					
Japan import 8-9% C, basis 60% Cr,				,					
cif Japan, duty unpaid \$/Ib contained			_						
chrome	1.10-1.17*	-2.58%	▼	11 May 17					
South Korea import 8–9% C, basis 60% Cr, cif South Korea, duty unpaid									
\$/lb contained chrome	1.10-1.15*	0%		11 May 17					
US free market low carbon duty paid fo				,					
US free market in-warehouse Pittshurgh									
	1.420-1.490*	0%		11 May 17					
US free market in-warehouse Pittsburgh 6-8% C basis 60-65% Cr max 2% Si 0.05%C - 65% min Cr	1.420-1.490* 2.15-2.20*	0% 0%		11 May 17 11 May 17					
6-8% C basis 60-65% Cr max 2% Si									

15 May 2017 Metal Bulletin	ı vally Number	9509.1				Copyright ©	2002-2017 M	etal	Bulletir
CARBON STEEL – EUROPE					CARBON STEEL – CIS				
	Price	Change [†]		Assessed		Price (.hange [†]	Í	4ssesse
Northern Europe imports					CIS exports (Black Sea)				
Metal Bulletin's appraisal of cfr price	s for imported non-F	II oriain com	mercia	al-auality	Metal Bulletin's appraisal of CIS mil	lls' nrices for export outsic	le the CIS of con	nmei	rcial-
carbon steel, € per tonne cfr main El		o origini, com	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ar quanty	quality carbon steel, \$ per tonne for				ciui
Rebar	475-480*	0%		10 May 17	Billet	385-395*		L	10 May
Wire rod (mesh quality)	480-490*	0%		10 May 17	Slab	400-410*	0%		10 May
Plate (8-40mm)	525-550*	0%		10 May 17	Rebar	415-425*			10 May
Hot rolled coil	480-490*	-5.83%	•	10 May 17	Wire rod (mesh)	440-460*			10 May
Cold rolled coil	590-600*	0%		10 May 17	Heavy plate (10–50mm)	510-525*	0%		10 May
Hot-dip galvanized coil	650-670*	0.76%	_	10 May 17	Hot rolled coil	430-440*			10 May
Southern Europe imports	0,0 0.0	01.070			Cold rolled coil	480-485*			10 May
	os for imported non F	Il ariain sam		al avality	CIS domestic	100 109	21,557.0		
Metal Bulletin's appraisal of cfr price carbon steel, € per tonne cfr main Eb		u origiri, com	mercio	ıı-quanty		within Dussia for commo	rcial quality of	rho	n ctool c
Rebar	480-490*	0%		10 May 17	Metal Bulletin's appraisal of prices CIS origin, rubles per tonne, carriag		rciai-quaiity co	IDUI	risteerd
Wire rod (mesh quality)	480-495*	0%		10 May 17	Rebar	27,000-29,500*	0%		10 May
Plate (8-40mm)	510-525*	0%		10 May 17	Hot rolled sheet	38,000-38,950*			10 May
Hot rolled coil	450-480*	-4.12%	•		Cold rolled sheet	43,200-44,500*			10 May
Cold rolled coil	450-480* 590-610*	-4.12% 0%	▼		Plate				10 May
				10 May 17	riale	38,000-38,500*	U /0		10 May
Hot-dip galvanized coil	640-660*	0%		10 May 17	CARRON CTEEL MIRRIE FACT				
Southern Europe exports					CARBON STEEL - MIDDLE EAST				
Metal Bulletin's appraisal of Souther Europe of commercial-quality carbo					Turkish exports	Price (Change [†]	A	Assess
Rebar	390-400*	-6.51%	\blacksquare	10 May 17	Metal Bulletin's appraisal of Turkisi	h mills' nrices for export o	f commercial-i	ווחוור	itv carh
Wire rod (mesh quality)	420-430*	0.59%	A	10 May 17	steel, \$ per tonne fob main Turkish p		Commercial	juuii	ity cui b
Northern Europe domestic					Billet	420-425*	2.42%		11 May
Metal Bulletin's appraisal of prices w	within the FII (excluding	a the IIK) for a	ommi	orcial-	Rebar	450-460*			11 May
quality carbon steel of EU origin, € p			01111111	iruui	Wire rod (mesh quality)	470-480*			11 May
Rebar	460-465*	-0.54%	▼	10 May 17	Merchant bars	480-490*			11 May
Wire rod (mesh quality)	470-480*	0%		10 May 17			0.52 %		
Sections (medium)	610-660*	0%		10 May 17	Structural pipe Hot rolled coil	550-560*			10 May
Beams	500-530*	-0.48%	•	10 May 17		485-500*	-0.51%	_	12 May
Southern Europe domestic	000 000	0.4070		10 May II	Turkish domestic				
	:41: - 41 - FU / 4:	41 - 111 4 (Metal Bulletin's appraisal of prices		rcial–quality co	rbor	n steel o
Metal Bulletin's appraisal of prices was quality carbon steel of EU origin, € pe			omm	erciai-	Turkish origin, \$ per tonne ex-work		0 /		
		-4.88%	_	10 May 17	Billet	410-425*			11 May
Rebar	385-395*		_		Rebar	470-480*			11 May
Wire rod (mesh quality)	450-460*	0%	_	10 May 17	Wire rod (mesh quality)	490-510*			11 May
Sections (medium)	585-620*	-0.41%		10 May 17	Hot rolled coil	500-505*	1.52%	<u> </u>	12 May
Beams	525-535*	0%		10 May 17	Cold rolled coil	590-600*	-1.65%	7	12 May
Central Europe domestic € per to	nne ex-works				Hot dip galvanized	690-700*	-0.71%	7	12 May
Hot rolled coil	500-525*	-2.38%	•	10 May 17	Prepainted galvanized	760-790*	-0.64%	7_	12 May
Poland domestic zloty per tonne	ex-works				Turkish imports				
Rebar	1,820-1,890*	-6.31%	\blacksquare	12 May 17	Metal Bulletin's appraisal of prices	for imported commercial	-quality carbo	n ste	el,\$per
Northern Europe € per tonne ex-	-works				tonne cfr main Turkish port	, ,	, ,		
Plate (8-40mm)	580-595*	0.43%	•	10 May 17	Billet	400-410*	1.89%	A	11 May
Hot rolled coil	530-540*	-0.47%	▼	10 May 17	Hot rolled coil	460-470*	-1.06%	7	12 May
Cold rolled coil	630-650*	0%		10 May 17	Cold rolled coil	524-525*			12 May
Hot-dip galvanized coil	670-710*	0%		10 May 17	UAE imports				
arp garratticu coil		370			Metal Bulletin's appraisal of prices	for imported commercial	-auality carbo	n cto	ol than
	THU I ROUTE	0.47%	•	10 May 17	tonne cfr Jebel Ali	joi importeu toilillieitlui	quality cui DO	اعدوا	ואף גיי
Southern Europe € per tonne ex-	535-5/10*	0.41 /0	T		Billet	385-390*	-1.27%	7 (09 May
Southern Europe € per tonne ex- Plate (8-40mm)	535-540*	_1 1, 60/	~	10 May 17	Rebar	434-435*			09 May
Southern Europe € per tonne ex- Plate (8-40mm) Hot rolled coil	500-515*	-1.46%		10 May 17				_ '	o , inuy
Southern Europe € per tonne ex- Plate (8-40mm) Hot rolled coil Cold rolled coil	500-515* 600-620*	0%		10 May 17				,	ng May
Southern Europe € per tonne ex- Plate (8-40mm) Hot rolled coil Cold rolled coil	500-515*			10 May 17 10 May 17	Hot rolled coil	465-485*	2.7%		
Southern Europe € per tonne ex- Plate (8-40mm) Hot rolled coil Cold rolled coil Hot-dip galvanized coil	500-515* 600-620*	0%			Hot rolled coil Cold rolled coil	465-485* 530-535*	2.7% a	(09 May
Southern Europe € per tonne ex- Plate (8-40mm) Hot rolled coil Cold rolled coil Hot-dip galvanized coil	500-515* 600-620*	0%			Hot rolled coil Cold rolled coil Hot dip galvanized coil	465-485*	2.7% 2	(09 May
Southern Europe € per tonne ex- Plate (8-40mm) Hot rolled coil Cold rolled coil Hot-dip galvanized coil	500-515* 600-620*	0%			Hot rolled coil Cold rolled coil Hot dip galvanized coil Saudi Arabia imports	465-485* 530-535* 645-680*	2.7% 2 0% -1.49%	(V	09 May 09 May 09 May
Southern Europe € per tonne ex- Plate (8-40mm) Hot rolled coil Cold rolled coil Hot-dip galvanized coil	500-515* 600-620* 650-680*	0% 0%		10 May 17	Hot rolled coil Cold rolled coil Hot dip galvanized coil Saudi Arabia imports Metal Bulletin's appraisal of prices,	465-485* 530-535* 645-680*	2.7% 2 0% -1.49%	(V	09 May 09 May
Southern Europe € per tonne ex- Plate (8-40mm) Hot rolled coil Cold rolled coil Hot-dip galvanized coil CARBON STEEL - NORTH AFRICA	500-515* 600-620* 650-680* Price	0% 0% Change [†]	al-au	10 May 17 Assessed	Hot rolled coil Cold rolled coil Hot dip galvanized coil Saudi Arabia imports Metal Bulletin's appraisal of prices, tonne cfr	465-485* 530-535* 645-680* for imported commercial	2.7% a 0% -1.49% v	(▼ (d	09 May 09 May el,\$per
Southern Europe € per tonne ex- Plate (8-40mm) Hot rolled coil	500-515* 600-620* 650-680* Price	0% 0% Change [†]	al-qu	10 May 17 Assessed	Hot rolled coil Cold rolled coil Hot dip galvanized coil Saudi Arabia imports Metal Bulletin's appraisal of prices,	465-485* 530-535* 645-680*	2.7% 2 0% -1.49%	(▼ (09 May 09 May

†week-on-week change

15 May 2017 Metal Bulletin D	aily Number 9	9509.1				Copyright	© 2002–2017 I	Meta	il Bulleti
	Price	Change		Assessed	CARBON STEEL - NAFTA				
JAE domestic						Price	Change [†]		Assess
Metal Bulletin's appraisal of prices with	in UAE for commerci	ial-quality o	arbon	steel of UAE	US imports		y -		
origin, dirhams per tonne ex-works	·			•	•	mnorted non Nat	ta origin somm	orci	al augli
Rebar	1,690-1,697*	-8.78%	▼	09 May 17	Metal Bulletin's appraisal of prices for i carbon steel, \$ per short ton cfr port Hot		ta ongm, comm	ieicic	ıı-qualı
ran imports					Rebar	445-454*	-0.88%	▼	03 May
Metal Bulletin's appraisal of prices quot	ted hy overseas sunr	liers for com	merci	al-auality				•	
carbon steel to Iranian buyers, \$ per ton			meren	ar quanty	Merchant bars	560-580*	0%		28 Apı
Cold rolled coil	470-492*	-6.33%	▼	10 May 17	Wire rod (low carbon)	485-494*	0%	_	10 May
lot rolled coil	428-450*	-4.98%	▼	10 May 17	Medium sections	540-560*	,,,,,,,	V	27 Ap
lot dip galvanized coil	550-560*	-1.94%	▼	10 May 17	Medium plate	645-700*	0%		03 May
gyptian domestic	330 300	11,5470	•	10 Fluy II	Hot rolled coil (commodity)	580-600*	0%		03 May
~~.	in Faunt for commo	rsial avalit	.carb	on stool of	Cold rolled coil	660-720*	0%		03 Ma
Metal Bulletin's appraisal of prices with Egyptian origin, E£ per tonne ex-works	J., ,	rciai-quaiity	/ carbo	on steet of	Hot dipped galvanized 0.012-0.015, G30	880-920*	0%		03 Ma
Rebar	9,495-9,500*	0%		11 May 17	ERW linepipe (X42)	840-840*	0%		25 Ap
gyptian import					OCTG API5CT – casing J55	970-970*	-3%	▼	25 Ap
Metal Bulletin's appraisal of prices for in	nported commercia	l-quality ca	rbons	teel,\$per	US domestic				
tonne cfr main port		-01			AMM's appraisal of prices within the US			teel (of US or
Billet	405-410*	0%		11 May 17	Canadian origin, \$ per short ton, delive			_	07.1
					Rebar (fob mill)	520-540*		T	03 Ma
CARBON STEEL – LATIN AMERICA					Wire rod (mesh quality fob mill)	550-570*	0%		10 Ma
	Price	Change [†]		Assessed	Plate (fob mill)	730-730*	0%		05 Ma
atin American exports					Hot rolled sheet (fob mill)	620-620*	-1.59%	<u> </u>	11 Ma
Metal Bulletin's appraisal of Latin Amer	ican mills' prices for	export outsi	ide Lat	in America	Cold rolled sheet (fob mill)	820-820*	-1.2%	▼	11 Ma
of commercial–quality carbon steel, \$ p					Hot-dip galvanized (base) Midwest		0/	_	
Billet	395-410*	0%		12 May 17	(fob mill)	820-820*		_	11 Ma
ilab	405-410*	-1.81%	•	12 May 17	ERW linepipe (X42) (fob mill)	990-990*	0%		25 Ap
Rebar	440-450*	0%		12 May 17	OCTG API5CT – casing J55 (fob mill)	1,200-1,200*	0%		25 Ap
Vire rod mesh quality	440-450*	0%		12 May 17	AMM's appraisal of prices within the US			teel (of US or
Heavy plate over10mm	490-495*	0%		12 May 17	Canadian origin, \$ per hundredweight	t, delivery terms as i	indicated		
Hot rolled coil (dry)	490-500*	0%		12 May 17	Merchant bar 3 x 3 1/4 angle (fob	22 25 22 25*	00/		20.45
Cold rolled coil	580-600*	0%		12 May 17	mill)	33.25-33.25*	0%		28 Ap
Galvanized coil	800-810*	0%		12 May 17					
South America imports	000 010	070		12 1 1dy 11	CARBON STEEL – ASIA				
Metal Bulletin's appraisal of cfr prices fo	or imported, comme	rcial-auality	ı carhe	on steel.		Price	Change [†]		Assess
\$ per tonne cfr main ports	· ····porteu, comme	ciai quant	· cu.bc	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	China exports				
Plate	460-470*	-0.53%	▼	12 May 17	Metal Bulletin's appraisal of Chinese m	ills prices for export	t of commercial-	-qua	lity carl
Hot rolled coil	455-460*	-0.54%	T	12 May 17	steel, \$ per tonne fob main China port		,	7	,
Cold rolled coil	490-500*	-1%	<u> </u>	12 May 17	Rebar	420-425*	0%		09 Ma
Galvanized coil	560-580*	-2.56%	Ť	12 May 17	Wire rod (mesh quality)	420-425*	0%		09 Ma
		2.7070		12 1·1uy 11	Heavy plate	420-425*		▼	09 Ma
Argentina domestic \$ per tonne ex-		. ,			Hot rolled coil	415-425*		▼	09 Ma
Metal Bulletin's appraisal of prices with	ın Argentina for con	nmerciai-qi	iality c	arbon steel,	Cold rolled coil	450-460*	-2.15%	▼	09 Ma
Spertonne	(00 (05*	00/		05 May 17	Galvanized coil 1mm	520-530*	-1.87%	▼	09 Ma
Hot rolled coil	680-695*	0%		05 May 17	Eastern China domestic				
Cold rolled coil	820-835*	0%		05 May 17				4	
Galvanized coil	1,080-1,175*	0%		05 May 17	Metal Bulletin's appraisal of prices in e of Chinese origin, yuan per tonne ex-w		nmerciai-quaii	ıy ca	rdori ste
Rebar	840-850*	0%		05 May 17	, , , ,		2 500/		12 Mar
Brazil domestic					Rebar Wire red (mesh)	3,340-3,390*			12 Ma
Metal Bulletin's appraisal of prices with	in Brazil for comme	rcial–quality	carbo	on steel,	Wire rod (mesh)	3,340-3,360*		<u> </u>	12 May
Reais per tonne ex-works					Sections	3,080-3,130*		<u> </u>	12 Ma
lot rolled coil	3,220-3,440*	0%		05 May 17	Plate	3,210-3,250*		<u> </u>	12 May
	2 560-2 670*	0%		05 May 17	Hot rolled coil (min 2mm)	3,020-3,040*		<u> </u>	12 Ma
old rolled coil	3,560-3,670*			05 May 17	Cold rolled coil (0.5 – 2 mm)	3,550-3,580*	2.89%	<u> </u>	12 Ma
	3,725-3,875*	0%							43 14-
lot dip galvanized coil	3,725-3,875*		carbo		Hot-dip galvanized coil	4,060-4,100*		T	IZ Ma
ot dip galvanized coil Metal Bulletin's appraisal of prices with	3,725-3,875*		carbo		Hot-dip galvanized coil Northern China domestic			V	12 May
Hot dip galvanized coil Metal Bulletin's appraisal of prices with Reais per tonne delivered	3,725-3,875*		/carbo			4,060-4,100*	-1.09%		12 May
Hot dip galvanized coil Metal Bulletin's appraisal of prices with Reais per tonne delivered	3,725-3,875* nin Brazil for comme	rcial–quality	/carbo	on steel,	Northern China domestic	4,060-4,100* orthern China for co	-1.09%		
Hot dip galvanized coil Metal Bulletin's appraisal of prices with Reais per tonne delivered	3,725-3,875* nin Brazil for comme	rcial–quality	/ carbo	on steel,	Northern China domestic Metal Bulletin's appraisal of prices in n	4,060-4,100* orthern China for co	-1.09% ommercial-qua	lity c	arbon s
Hot dip galvanized coil Metal Bulletin's appraisal of prices with Reais per tonne delivered	3,725-3,875* nin Brazil for comme	rcial–quality	/carbo	on steel,	Northern China domestic Metal Bulletin's appraisal of prices in n of Chinese origin (Tangshan), yuan per Billet	4,060-4,100* orthern China for co tonne ex-works 2,950-2,950*	-1.09% ommercial-qua 1.03%	lity c	arbon s
lot dip galvanized coil Metal Bulletin's appraisal of prices with Reais pertonne delivered	3,725-3,875* nin Brazil for comme	rcial–quality	/ carbo	on steel,	Northern China domestic Metal Bulletin's appraisal of prices in n of Chinese origin (Tangshan), yuan pel	4,060-4,100* orthern China for cotonne ex-works 2,950-2,950* orthern China for co	-1.09% ommercial-qua 1.03%	lity c	arbon : 12 Ma
iold rolled coil Hot dip galvanized coil Metal Bulletin's appraisal of prices with Reais per tonne delivered Rebar	3,725-3,875* nin Brazil for comme	rcial–quality	r ca rb c	on steel,	Northern China domestic Metal Bulletin's appraisal of prices in n of Chinese origin (Tangshan), yuan per Billet Metal Bulletin's appraisal of prices in n	4,060-4,100* orthern China for cotonne ex-works 2,950-2,950* orthern China for co	-1.09% ommercial-qua 1.03% ommercial-qua	lity c	arbon s
Hot dip galvanized coil Metal Bulletin's appraisal of prices with Reais per tonne delivered	3,725-3,875* nin Brazil for comme	rcial–quality	/ carbo	on steel,	Northern China domestic Metal Bulletin's appraisal of prices in n of Chinese origin (Tangshan), yuan per Billet Metal Bulletin's appraisal of prices in n of Chinese origin, yuan per tonne ex-w	4,060-4,100* orthern China for co tonne ex-works 2,950-2,950* orthern China for co tarehouse	-1.09% ommercial-qua 1.03% ommercial-qua 2.74%	lity c	arbon s 12 Ma arbon s

† week-on-week change

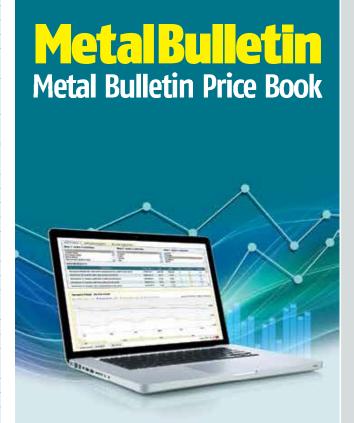
	Daily Number 9	509.1				Copyright @	2002-2017 N	netal	Bulletir
	Price (hange		Assessed	STAINLESS STEEL				
Southern China domestic						Price	Change [†]	1	Assess
Metal Bulletin's appraisal of prices in s		mercial-q	uality	carbon steel	Asia import				
of Chinese origin, yuan per tonne ex-w	varehouse				\$/tonne cif East Asian port				
Rebar	3,700-3,740*	1.22%	\blacksquare	12 May 17	Grade 304 2mm CR coil 2B	1,880-1,930*	0%		10 May
Wire rod (mesh)	3,520-3,550*	-1.53%	▼	12 May 17	Grade 304 HR sheet	1,800-1,850*	0%		10 May
Sections	3,380-3,410*	0.3%	A	12 May 17		1,000 1,000	0 70		10 May
Plate	3,270-3,290*	0.46%	A	12 May 17	China domestic				
Hot rolled coil (min 2mm)	3,130-3,150*	3.8%	_	12 May 17	_yuan/tonne, in-warehouse				
Cold rolled coil (0.5 – 2 mm)	3,740-3,780*	1.62%	_	12 May 17	Grade 304 2mm CR coil	13,400-13,600*	0.37%	A	11 May
Hot-dip galvanized coil	4,100-4,150*	0%		12 May 17	Grade 430 2mm CR coil	8,000-8,050*	-2.43%	▼	11 May
	4,100 4,100	0 70		12 11uy 11	EU export				
Southeast Asia imports					€/tonne fob N. European port				
Metal Bulletin's appraisal of prices in So	outheast Asia for comr	nercial-qu	ality c	arbon steel,	Min 100 tonne lot				
\$ per tonne cfr					Grade 304 2mm CR sheet	2,449-2,520*	0%		12 May
Billet	400-410*	1.5%		08 May 17	EU domestic	7			
Slab (Asia/East Asia)	410-420*	-0.6%	•	08 May 17		no.			
Hot rolled coil (Vietnam)	430-435*	-1.14%	▼	08 May 17	2mm 304 cold rolled stainless sheet, €/ton		00/		42.14
Rebar (Singapore)	395-400*	-0.62%	▼	08 May 17	N.Europe Base price	1,140-1,170*	0%		12 May
Nire rod (low carbon)	425-430*	1.79%	A	08 May 17	Alloy surcharge	1,309-1,350*	0%		12 May
Indian exports					2mm 316 cold rolled stainless sheet, €/tonr	ne .			
Metal Bulletin's appraisal of Indian mi	ills' nrices for export of	commercia	חות-ור	ality carbon	Base price	1,465-1,485*	0%		12 May
steel, \$ per tonne fob main India port	iis prices for export of	COMMITTER	ıı yuc	inty curbon	Alloy surcharge	1,873-1,936*	0%		12 May
Billet	370-380*	0%		05 May 17	304 stainless steel bright bar, €/tonne				
			_		Base price	970-1,000*	0%		12 May
Plate (12-40mm)	430-440*	-6.45%	_	05 May 17	Alloy surcharge	1,580-1,698*	0%		12 May
Hot rolled coil (commodity)	460-465*	-1.07%	•	05 May 17	US domestic	1,222 1,222			,
Hot-dip galvanized coil	730-740*	4.63%		05 May 17		·			· cuc ·
ndian imports					AMM's appraisal of prices within the USA f	•	<i>laiity stainiess</i>	steei	oj us oi
Metal Bulletin's appraisal of prices for i	imported, non-EU oric	gin, comme	ercial-	quality	Canadian origin, \$ per hundredweight, fo				
carbon steel, \$ per tonne cfr main India	ı port				Grade 304 coiled plate	106-106*		_	04 May
Plate (20-60mm)	440-450*	0%		05 May 17	Grade 316 coiled plate	141-141*			04 May
Hot rolled coil (commodity)	435-440*	-2.23%	▼	05 May 17	Grade 304 cold rolled sheet	125-125*	-2.73%	▼	04 May
Hot rolled coil (CR grade)	440-445*	-0.56%	•	05 May 17	Grade 316L cold rolled sheet	162-162*	-1.52%	▼	04 May
Cold rolled	480-490*	1.04%	<u> </u>	05 May 17	Raw materials index				
Indian domestic	100 170	1.0 1 70		opriug ii	EU domestic stainless steel \$ per tonne				
					304 Europe raw materials index	1,238.08*	-1.74%	▼	08 May
Metal Bulletin's appraisal of prices with	hin India for commerc	ıal-quality	carbo	n steel,		.,	,		,
rupees per tonne ex-works			_		CHINA IRON ORE				
		-5.6%	•	05 May 17	cfr main China port \$ per dry metric tonne				
	25,200-25,400*			OE M 2v 17	grinain cinna porcyperary medicionic				
	25,200-25,400* 37,000-37,500*	0%		05 May 17		Duine	Plane at		
Heavy plate				05 May 17			Change [†]	_	Assesse
Heavy plate Hot rolled coil	37,000-37,500*	0%			Iron ore index (62% Fe)	Price 61.38*	_	_	
Heavy plate Hot rolled coil Cold rolled coil	37,000-37,500* 38,500-39,000* 41,500-42,000*	0%	V	05 May 17	Iron ore pellet index cfr Qingdao	61.38*	-0.57%	▼	12 May
Heavy plate Hot rolled coil Cold rolled coil DRI	37,000-37,500* 38,500-39,000* 41,500-42,000* 16,200-16,400*	0% 0% -6.32%	V	05 May 17 05 May 17 05 May 17	Iron ore pellet index cfr Qingdao (65% Fe)		_	▼	Assesse 12 May 12 May
Billet Heavy plate Hot rolled coil Cold rolled coil DRI Hot-dip galvanized coil Rebar	37,000-37,500* 38,500-39,000* 41,500-42,000* 16,200-16,400* 46,000-46,500*	0% 0% -6.32% 0%		05 May 17 05 May 17 05 May 17 05 May 17	Iron ore pellet index cfr Qingdao (65% Fe) Iron ore concentrate index cfr	61.38* 82.07*	-0.57% \ -5.2%	▼	12 May 12 May
Heavy plate Hot rolled coil Cold rolled coil DRI Hot-dip galvanized coil	37,000-37,500* 38,500-39,000* 41,500-42,000* 16,200-16,400*	0% 0% -6.32% 0%	*	05 May 17 05 May 17 05 May 17	Iron ore pellet index cfr Qingdao (65% Fe) Iron ore concentrate index cfr Qingdao (66% Fe)	61.38*	-0.57%	▼	12 May 12 May
Heavy plate Hot rolled coil Cold rolled coil DRI Hot-dip galvanized coil Rebar	37,000-37,500* 38,500-39,000* 41,500-42,000* 16,200-16,400* 46,000-46,500*	0% 0% -6.32% 0%		05 May 17 05 May 17 05 May 17 05 May 17	Iron ore pellet index cfr Qingdao (65% Fe) Iron ore concentrate index cfr Qingdao (66% Fe) Metal Bulletin Indicator for US\$/%	61.38* 82.07* 66.57*	-0.57% · · · · · · · · · · · · · · · · · · ·	*	12 May 12 May 12 May
Heavy plate Hot rolled coil Cold rolled coil DRI Hot-dip galvanized coil Rebar	37,000-37,500* 38,500-39,000* 41,500-42,000* 16,200-16,400* 46,000-46,500*	0% 0% -6.32% 0%		05 May 17 05 May 17 05 May 17 05 May 17	Iron ore pellet index cfr Qingdao (65% Fe) Iron ore concentrate index cfr Qingdao (66% Fe)	61.38* 82.07*	-0.57% · · · · · · · · · · · · · · · · · · ·	*	12 May 12 May 12 May
Heavy plate Hot rolled coil Cold rolled coil DRI Hot-dip galvanized coil Rebar	37,000-37,500* 38,500-39,000* 41,500-42,000* 16,200-16,400* 46,000-46,500* 26,500-26,700*	0% 0% -6.32% 0% -6.99%		05 May 17 05 May 17 05 May 17 05 May 17	Iron ore pellet index cfr Qingdao (65% Fe) Iron ore concentrate index cfr Qingdao (66% Fe) Metal Bulletin Indicator for US\$1% Fe in iron ore fines cfr Quingdao	61.38* 82.07* 66.57*	-0.57% · · · · · · · · · · · · · · · · · · ·	*	12 May 12 May 12 May
Heavy plate Hot rolled coil Cold rolled coil DRI Hot-dip galvanized coil Rebar STEELBENCHMARKER™ PRICES	37,000-37,500* 38,500-39,000* 41,500-42,000* 16,200-16,400* 46,000-46,500* 26,500-26,700*	0% 0% -6.32% 0%		05 May 17 05 May 17 05 May 17 05 May 17 05 May 17	Iron ore pellet index cfr Qingdao (65% Fe) Iron ore concentrate index cfr Qingdao (66% Fe) Metal Bulletin Indicator for US\$/%	61.38* 82.07* 66.57*	-0.57% · · · · · · · · · · · · · · · · · · ·	*	12 May 12 May 12 May
Heavy plate Hot rolled coil Cold rolled coil DRI Hot-dip galvanized coil Rebar STEELBENCHMARKER™ PRICES Region: USA east of the Mississippi	37,000-37,500* 38,500-39,000* 41,500-42,000* 16,200-16,400* 46,000-46,500* 26,500-26,700*	0% 0% -6.32% 0% -6.99%	V	05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 05 May 17	Iron ore pellet index cfr Qingdao (65% Fe) Iron ore concentrate index cfr Qingdao (66% Fe) Metal Bulletin Indicator for US\$1% Fe in iron ore fines cfr Quingdao	61.38* 82.07* 66.57*	-0.57% · · · · · · · · · · · · · · · · · · ·	*	12 May 12 May 12 May
Heavy plate Hot rolled coil Cold rolled coil DRI Hot-dip galvanized coil Rebar STEELBENCHMARKER™ PRICES Region: USA east of the Mississippi Standard plate (\$/metric tonne)	37,000-37,500* 38,500-39,000* 41,500-42,000* 16,200-16,400* 46,000-46,500* 26,500-26,700*	0% 0% -6.32% 0% -6.99% hange [†]	•	05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 Assessed	Iron ore pellet index cfr Qingdao (65% Fe) Iron ore concentrate index cfr Qingdao (66% Fe) Metal Bulletin Indicator for US\$/% Fe in iron ore fines cfr Quingdao	61.38* 82.07* 66.57* 1.02*	-0.57% \\ -5.2\% \\ -10.46\% \\ -23.88\% \\	*	12 May 12 May 12 May 02 May
Heavy plate Hot rolled coil Cold rolled coil DRI Hot-dip galvanized coil Rebar STEELBENCHMARKER™ PRICES Region: USA east of the Mississippi Standard plate (\$/metric tonne)	37,000-37,500* 38,500-39,000* 41,500-42,000* 16,200-16,400* 46,000-46,500* 26,500-26,700* Price 809 734	0% 0% -6.32% 0% -6.99% hange [†]	*	05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 Assessed 08 May 17 08 May 17	Iron ore pellet index cfr Qingdao (65% Fe) Iron ore concentrate index cfr Qingdao (66% Fe) Metal Bulletin Indicator for US\$/% Fe in iron ore fines cfr Quingdao IRAN IRON ORE cfr China US \$ pertonne	61.38* 82.07* 66.57* 1.02*	-0.57% \\ -5.2\% \\ -10.46\% \\ -23.88\% \\ Change*	* * * * * * * * * * * * * * * * * * *	12 May 12 May 12 May 02 May
Heavy plate Hot rolled coil Cold rolled coil DRI Hot-dip galvanized coil Rebar STEELBENCHMARKER™ PRICES Region: USA east of the Mississippi Standard plate (\$/metric tonne) Hot rolled coil (\$/metric tonne)	37,000-37,500* 38,500-39,000* 41,500-42,000* 16,200-16,400* 46,000-46,500* 26,500-26,700* Price 809 734 686	0% 0% -6.32% 0% -6.99% hange [†] 1.12% 1.1% -2.56%	A A V	05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 Assessed 08 May 17 08 May 17 08 May 17	Iron ore pellet index cfr Qingdao (65% Fe) Iron ore concentrate index cfr Qingdao (66% Fe) Metal Bulletin Indicator for US\$/% Fe in iron ore fines cfr Quingdao IRAN IRON ORE cfr China US\$ pertonne Iron ore fines index (60% Fe)	61.38* 82.07* 66.57* 1.02*	-0.57% \\ -5.2\% \\ -10.46\% \\ -23.88\% \\ Change*	* * * * * * * * * * * * * * * * * * *	12 May 12 May 12 May 02 May
Heavy plate Hot rolled coil Cold rolled coil Cold rolled coil Hot-dip galvanized coil Rebar STEELBENCHMARKER™ PRICES Region: USA east of the Mississippi Standard plate (\$/metric tonne) Hot rolled coil (\$/metric tonne) Hot rolled coil (\$/metric tonne)	37,000-37,500* 38,500-39,000* 41,500-42,000* 16,200-16,400* 46,000-46,500* 26,500-26,700* Price 809 734 686 623	0% 0% -6.32% 0% -6.99% hange [†] 1.12% -2.56% -2.5%	*	05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 Assessed 08 May 17 08 May 17	Iron ore pellet index cfr Qingdao (65% Fe) Iron ore concentrate index cfr Qingdao (66% Fe) Metal Bulletin Indicator for US\$/% Fe in iron ore fines cfr Quingdao IRAN IRON ORE cfr China US \$ pertonne	61.38* 82.07* 66.57* 1.02*	-0.57% \\ -5.2\% \\ -10.46\% \\ -23.88\% \\ Change*	* * * * * * * * * * * * * * * * * * *	12 May 12 May 12 May 02 May
Heavy plate Hot rolled coil Cold rolled coil DRI Hot-dip galvanized coil Rebar STEELBENCHMARKER™ PRICES Region: USA east of the Mississippi Standard plate (\$/metric tonne) Hot rolled coil (\$/metric tonne) Hot rolled coil (\$/metric tonne)	37,000-37,500* 38,500-39,000* 41,500-42,000* 16,200-16,400* 46,000-46,500* 26,500-26,700* Price 809 734 686	0% 0% -6.32% 0% -6.99% hange [†] 1.12% 1.1% -2.56%	A A V	05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 Assessed 08 May 17 08 May 17 08 May 17	Iron ore pellet index cfr Qingdao (65% Fe) Iron ore concentrate index cfr Qingdao (66% Fe) Metal Bulletin Indicator for US\$/% Fe in iron ore fines cfr Quingdao IRAN IRON ORE cfr China US \$ pertonne Iron ore fines index (60% Fe) COKING COAL	61.38* 82.07* 66.57* 1.02*	-0.57% \\ -5.2\% \\ -10.46\% \\ -23.88\% \\ Change*	* * * * * * * * * * * * * * * * * * *	12 May 12 May 12 May 02 May
Heavy plate Hot rolled coil Cold rolled coil Cold rolled coil Hot-dip galvanized coil Rebar STEELBENCHMARKER™ PRICES Region: USA east of the Mississippi Standard plate (\$/metric tonne) Hot rolled coil (\$/metric tonne) Hot rolled coil (\$/metric tonne)	37,000-37,500* 38,500-39,000* 41,500-42,000* 16,200-16,400* 46,000-46,500* 26,500-26,700* Price 809 734 686 623	0% 0% -6.32% 0% -6.99% hange [†] 1.12% -2.56% -2.5%	A A V V	05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 Assessed 08 May 17 08 May 17 08 May 17 08 May 17	Iron ore pellet index cfr Qingdao (65% Fe) Iron ore concentrate index cfr Qingdao (66% Fe) Metal Bulletin Indicator for US\$/% Fe in iron ore fines cfr Quingdao IRAN IRON ORE cfr China US\$ pertonne Iron ore fines index (60% Fe)	61.38* 82.07* 66.57* 1.02* Price 56.08-56.08*	-0.57% -5.2% -10.46% -23.88% Change* -8.17%	*	12 May 12 May 12 May 02 May 4ssesss 11 May
Heavy plate Hot rolled coil Cold rolled coil DRI Hot-dip galvanized coil Rebar STEELBENCHMARKER™ PRICES Region: USA east of the Mississippi Standard plate (\$/metric tonne) Hot rolled coil (\$/metric tonne) Hot rolled coil (\$/short ton) Cold rolled coil (\$/metric tonne)	37,000-37,500* 38,500-39,000* 41,500-42,000* 16,200-16,400* 46,000-46,500* 26,500-26,700* Price 809 734 686 623 879	0% 0% -6.32% 0% -6.99% hange [†] 1.12% 1.19 -2.56% -2.5% -1.68%	* * * * * * * * * * * * * * * * * * *	05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 08 May 17 08 May 17 08 May 17 08 May 17 08 May 17	Iron ore pellet index cfr Qingdao (65% Fe) Iron ore concentrate index cfr Qingdao (66% Fe) Metal Bulletin Indicator for US\$/% Fe in iron ore fines cfr Quingdao IRAN IRON ORE cfr China US \$ pertonne Iron ore fines index (60% Fe) COKING COAL \$ per metric tonne	61.38* 82.07* 66.57* 1.02* Price 56.08-56.08*	-0.57% -5.2% -10.46% -23.88% Change* Change*	▼	12 May 12 May 12 May 02 May 02 May Assessi
Heavy plate Hot rolled coil Cold rolled coil DRI Hot-dip galvanized coil Rebar STEELBENCHMARKER™ PRICES Region: USA east of the Mississippi Standard plate (\$/metric tonne) Standard plate (\$/short ton) Hot rolled coil (\$/metric tonne) Hot rolled coil (\$/short ton) Cold rolled coil (\$/short ton) Region: Mainland China	37,000-37,500* 38,500-39,000* 41,500-42,000* 16,200-16,400* 46,000-46,500* 26,500-26,700* Price 809 734 686 623 879 797	0% 0% -6.32% 0% -6.99% hange [†] 1.12% 1.19 -2.56% -2.55% -1.68% -1.73%	A A V V V	05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 08 May 17 08 May 17 08 May 17 08 May 17 08 May 17 08 May 17	Iron ore pellet index cfr Qingdao (65% Fe) Iron ore concentrate index cfr Qingdao (66% Fe) Metal Bulletin Indicator for US\$1% Fe in iron ore fines cfr Quingdao IRAN IRON ORE cfr China US \$ per tonne Iron ore fines index (60% Fe) COKING COAL \$ per metric tonne Premium hard coking coal cfr China	61.38* 82.07* 66.57* 1.02* Price 56.08-56.08*	-0.57% -5.2% -10.46% -23.88% Change* -8.17% Change* -4.61%	▼	12 May 12 May 12 May 02 May 02 May 4Assesss 11 May 12 May
Heavy plate Hot rolled coil Cold rolled coil DRI Hot-dip galvanized coil Rebar STEELBENCHMARKER™ PRICES Region: USA east of the Mississippi Standard plate (\$/metric tonne) Standard plate (\$/short ton) Hot rolled coil (\$/metric tonne) Hot rolled coil (\$/metric tonne) Cold rolled coil (\$/short ton) Region: Mainland China Rebar	37,000-37,500* 38,500-39,000* 41,500-42,000* 16,200-16,400* 46,000-46,500* 26,500-26,700* Price 809 734 686 623 879 797	0% 0% -6.32% 0% -6.99% hange [†] 1.12% 1.19% -2.56% -2.55% -1.68% -1.73%	* * * * * * * * * * * * * * * * * * *	05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 08 May 17 08 May 17 08 May 17 08 May 17 08 May 17 08 May 17	Iron ore pellet index cfr Qingdao (65% Fe) Iron ore concentrate index cfr Qingdao (66% Fe) Metal Bulletin Indicator for US\$/% Fe in iron ore fines cfr Quingdao IRAN IRON ORE cfr China US \$ pertonne Iron ore fines index (60% Fe) COKING COAL \$ per metric tonne Premium hard coking coal cfr China Hard coking coal cfr China	61.38* 82.07* 66.57* 1.02* Price 56.08-56.08*	-0.57% -5.2% -10.46% -23.88% Change* -8.17% Change* -4.61%	▼	12 May 12 May 12 May 02 May 02 May 4Assesss 11 May 12 May
Heavy plate Hot rolled coil Cold rolled coil DRI Hot-dip galvanized coil Rebar STEELBENCHMARKER™ PRICES Region: USA east of the Mississippi Standard plate (\$/metric tonne) Standard plate (\$/short ton) Hot rolled coil (\$/metric tonne) Hot rolled coil (\$/metric tonne) Cold rolled coil (\$/short ton) Region: Mainland China Rebar Standard plate	37,000-37,500* 38,500-39,000* 41,500-42,000* 16,200-16,400* 46,000-46,500* 26,500-26,700* Price 809 734 686 623 879 797 429 397	0% 0% -6.32% 0% -6.99% hange [†] 1.12% 1.19% -2.56% -2.55% -1.68% -1.73% 6.19% 0%	* * * * * * * * * * * * * * * * * * *	05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 08 May 17 08 May 17 08 May 17 08 May 17 08 May 17 08 May 17	Iron ore pellet index cfr Qingdao (65% Fe) Iron ore concentrate index cfr Qingdao (66% Fe) Metal Bulletin Indicator for US\$/% Fe in iron ore fines cfr Quingdao IRAN IRON ORE cfr China US \$ pertonne Iron ore fines index (60% Fe) COKING COAL \$ per metric tonne Premium hard coking coal cfr China Hard coking coal cfr China Premium hard coking coal fob	61.38* 82.07* 66.57* 1.02* Price 56.08-56.08* Price 173.28-173.28* 164.33-164.33*	-0.57% -5.2% -10.46% -23.88% Change* -8.17% Change* -4.61% -3.47%	V V V V	12 May 12 May 12 May 02 May 02 May Assesss 11 May 12 May 12 May
Heavy plate Hot rolled coil Cold rolled coil DRI Hot-dip galvanized coil Rebar STEELBENCHMARKER™ PRICES Region: USA east of the Mississippi Standard plate (\$/metric tonne) Hot rolled coil (\$/metric tonne) Hot rolled coil (\$/metric tonne) Cold rolled coil (\$/metric tonne) Region: Mainland China Rebar Standard plate Hot rolled coil	37,000-37,500* 38,500-39,000* 41,500-42,000* 16,200-16,400* 46,000-46,500* 26,500-26,700* Price 809 734 686 623 879 797 429 397 379	0% 0% -6.32% 0% -6.99% hange [†] 1.12% 1.19% -2.56% -2.5% -1.68% -1.73% 6.19% 0% 2.16%	A A V V V	05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 08 May 17	Iron ore pellet index cfr Qingdao (65% Fe) Iron ore concentrate index cfr Qingdao (66% Fe) Metal Bulletin Indicator for US\$/% Fe in iron ore fines cfr Quingdao IRAN IRON ORE cfr China US\$ pertonne Iron ore fines index (60% Fe) COKING COAL \$ per metric tonne Premium hard coking coal cfr China Hard coking coal cfr China Premium hard coking coal fob Australia	61.38* 82.07* 66.57* 1.02* Price 56.08-56.08* Price 173.28-173.28* 164.33-164.33* 183.5-183.5*	-0.57% -5.2% -10.46% -23.88% -23.88% -23.88% -24.61% -3.47% -9.45%	▼	12 May 12 May 12 May 12 May 02 May Assesss 11 May 12 May 12 May 12 May
Heavy plate Hot rolled coil Cold rolled coil DRI Hot-dip galvanized coil Rebar STEELBENCHMARKER™ PRICES Region: USA east of the Mississippi Standard plate (\$/metric tonne) Hot rolled coil (\$/metric tonne) Hot rolled coil (\$/metric tonne) Cold rolled coil (\$/short ton) Region: Mainland China Rebar Standard plate Hot rolled coil Cold rolled coil Cold rolled coil	37,000-37,500* 38,500-39,000* 41,500-42,000* 16,200-16,400* 46,000-46,500* 26,500-26,700* Price 809 734 686 623 879 797 429 397	0% 0% -6.32% 0% -6.99% hange [†] 1.12% 1.19% -2.56% -2.55% -1.68% -1.73% 6.19% 0%	* * * * * * * * * * * * * * * * * * *	05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 08 May 17 08 May 17 08 May 17 08 May 17 08 May 17 08 May 17	Iron ore pellet index cfr Qingdao (65% Fe) Iron ore concentrate index cfr Qingdao (66% Fe) Metal Bulletin Indicator for U\$\$/% Fe in iron ore fines cfr Quingdao IRAN IRON ORE cfr China U\$\$ pertonne Iron ore fines index (60% Fe) COKING COAL \$ per metric tonne Premium hard coking coal cfr China Hard coking coal cfr China Premium hard coking coal fob Australia Hard coking coal fob Australia	61.38* 82.07* 66.57* 1.02* Price 56.08-56.08* Price 173.28-173.28* 164.33-164.33*	-0.57% -5.2% -10.46% -23.88% **Change* -8.17% **Change* -4.61% -3.47% -9.45%	▼	12 May
Heavy plate Hot rolled coil Cold rolled coil DRI Hot-dip galvanized coil	37,000-37,500* 38,500-39,000* 41,500-42,000* 16,200-16,400* 46,000-46,500* 26,500-26,700* Price 809 734 686 623 879 797 429 397 379	0% 0% -6.32% 0% -6.99% hange [†] 1.12% 1.19% -2.56% -2.5% -1.68% -1.73% 6.19% 0% 2.16%	* * * * * * * * * * * * * * * * * * *	05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 08 May 17	Iron ore pellet index cfr Qingdao (65% Fe) Iron ore concentrate index cfr Qingdao (66% Fe) Metal Bulletin Indicator for US\$/% Fe in iron ore fines cfr Quingdao IRAN IRON ORE cfr China US \$ pertonne Iron ore fines index (60% Fe) COKING COAL \$ per metric tonne Premium hard coking coal cfr China Hard coking coal cfr China Premium hard coking coal fob Australia Hard coking coal fob Australia China hard coking coal Shanxi spot	61.38* 82.07* 66.57* 1.02* Price 56.08-56.08* Price 173.28-173.28* 164.33-164.33* 183.5-183.5* 170.11-170.11*	-0.57% -5.2% -10.46% -23.88% Change* -8.17% -4.61% -3.47% -9.45% -6.85%	* * * * * * * * * * * * * * * * * * *	12 May 12 May 12 May 02 May 02 May 11 May 12 May 12 May 12 May
Heavy plate Hot rolled coil Cold rolled coil DRI Hot-dip galvanized coil Rebar STEELBENCHMARKER™ PRICES Region: USA east of the Mississippi Standard plate (\$/metric tonne) Hot rolled coil (\$/metric tonne) Hot rolled coil (\$/metric tonne) Cold rolled coil (\$/short ton) Region: Mainland China Rebar Standard plate Hot rolled coil Cold rolled coil Cold rolled coil	37,000-37,500* 38,500-39,000* 41,500-42,000* 16,200-16,400* 46,000-46,500* 26,500-26,700* Price 809 734 686 623 879 797 429 397 379	0% 0% -6.32% 0% -6.99% hange [†] 1.12% 1.19% -2.56% -2.5% -1.68% -1.73% 6.19% 0% 2.16%	* * * * * * * * * * * * * * * * * * *	05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 05 May 17 08 May 17	Iron ore pellet index cfr Qingdao (65% Fe) Iron ore concentrate index cfr Qingdao (66% Fe) Metal Bulletin Indicator for U\$\$/% Fe in iron ore fines cfr Quingdao IRAN IRON ORE cfr China U\$\$ pertonne Iron ore fines index (60% Fe) COKING COAL \$ per metric tonne Premium hard coking coal cfr China Hard coking coal cfr China Premium hard coking coal fob Australia Hard coking coal fob Australia	61.38* 82.07* 66.57* 1.02* Price 56.08-56.08* Price 173.28-173.28* 164.33-164.33* 183.5-183.5*	-0.57% -5.2% -10.46% -23.88% Change* -8.17% Change* -4.61% -3.47% -9.45% -6.85%	* * * * * * * * * * * * * * * * * * *	12 May 12 May 12 May 12 May 02 May Assesss 11 May 12 May 12 May 12 May

15 May 2017 Metal Bulletin Dai	ry Rumbe	ויבטכר					© 2002–201	, met	
FERROUS SCRAP						Price	Change		Assesse
	Price	Change [†]		Assessed	Turkish domestic				
UK ferrous scrap domestic					MB assessment delivered				
The following is Metal Bulletin's evaluatio					Melting scrap from shipbreaking	77/ 770*	E 220/		00 May 1
consumers within the month listed. Prices and should be read in conjunction with e					(\$/tonne) Auto bundle scrap (Turkish lira/tonne)	276-278* 835-970*	5.32% -2.43%	*	08 May 1 08 May 1
•	antoniui comme	it on the remous	ssciu	p puyes.	USA export	033-310	-2.45 /0		UO May I
£/tonne					•	act Coast fob Nov	Vork		
Cut grades OA plate and structural	145-155*	-6.25%	▼	12 May 17	AMM ferrous scrap export index \$/tonne Ec HMS 1&2 (80:20)	•			10 May 1
1&2 old steel	120-130*	-7.41%	Ť	12 May 17	Shredded	254.33* 260*	2.14%		10 May 17
12A/C new production heavy and	120 150	1.7170		12 1 1 luy 11	USA domestic	200	2.50 /0	_	10 May 1
shovellable steel	152-162*	-3.09%	▼	12 May 17	AMM Midwest index \$/gross ton delivered	mill			
12D new production heavy and					No1 heavy melting scrap	266.33*	0.14%		10 May 1
shovellable steel	157-167*	-2.99%	•	12 May 17	No1 busheling	356.07*	1.65%	A	10 May 1
Bales and cuttings	150 160*	2.060/	_	42.1447	Shredded	297.21*	-0.02%	₹	10 May 1
4A new steel bales 4C new steel bales	159-169* 154-164*	-2.96% -3.05%	▼	12 May 17	China domestic	271.21	0.0270		10 May II
8A new loose light cuttings	149-159*	-3.14%	▾	12 May 17 12 May 17	yuan/tonne delivered mill				
8B new loose light cuttings	134-144*	-3.47%	Ť	12 May 17	Heavy scrap	1,480-1,680*	-2.47%	•	12 May 17
Turnings	174 144	J.41 /0		12 14ay 11	Taiwan import	1,400 1,000	2.41 /0		12 11luy 11
UK inter-merchant 7B heavy steel					\$/tonne cfr main port				
turnings	95-105*	-4.76%	▼	12 May 17	HMS 1&2 (80:20 mix) (USA material)	235-240*	2.15%		12 May 1
Cast iron					Germany domestic	255-240	2.15%		12 May 17
9A/10 heavy and light cast iron	125-135*	-3.7%	▼	12 May 17		uraa DDCI			
9B/C cylinder block scrap	145-155*	-3.23%	▼	12 May 17	€/tonne composite sales price ex-yard, so		1 1.10/	_	02 4 == 1
11A cast iron borings	75-95*	-10.53%	▼	12 May 17	No E2/8 (new steel scrap) No E1 (old steel scrap)	230.60	-1.41% -1.29%	*	03 Apr 17
Prices relate to new UK scrap specifications					No E3 (old thick steel scrap)	232	-0.73%	₹	03 Apr 17 03 Apr 17
Please see MB.com for full explanation of p	price changes				No E40 (shredded steel scrap)	236.20	-2.68%	Ť	03 Apr 1
UK intermerchant weekly price					No E5 (steel turnings)	190.20	-1.19%	Ť	03 Apr 17
£/tonne					MB assessment €/tonne delivered at mill	170.20	111770		05710111
5C loose old light	70-90*	0%		12 May 17	Grade E40 (shredded steel scrap)	255-270	-0.94%	•	21 Apr 17
UK ferrous scrap export					No E8 (thin new production steel scrap)	255-265	-0.95%	▼	21 Apr 17
MB assessment \$ fob main UK port					No E3 (old thick scrap)	250-270	0.97%		21 Apr 17
HMS 1&2 (80:20 mix)	253-255*	-0.59%	\blacktriangledown	12 May 17	Italy domestic				
Shredded	258-260*	-0.58%	▼	12 May 17	MB assessment €/tonne delivered at mill				
Indian imports					No E3 (old thick scrap)	245	-0.98%	▼	26 Apr 17
MB assessment \$/tonnne cfr Nhava Sheva					No E8 (thin new production steel)	260	-1.85%	_	26 Apr 17
MB index cfr India shredded	301.51*	-0.57%	▼	12 May 17					
HMS 1&2 (80:20 mix)	270-280*	-1.79%	▼	12 May 17	SCRAP SUBSTITUTES				
Alloy steel scrap domestic					SCHAF SOUSTHOLES	Duice	Changet		//
UK wholesale merchants' stainless (£/tonr	ne)				FII imm auto é ltamas	Price	Change [†]		Assesse
18/8 solids	840-880*	0.58%	\blacktriangle	12 May 17	EU imports \$/tonne	220 250*	00/		11 May 1
18/8 turnings	715-750*	0.69%	A	12 May 17	Pig iron imports cif Italy	330-350*	0%		11 May 17
12–13% Cr solids	200-230*	0%		12 May 17	Latin American exports \$/tonne, deliv	_			12 May 17
16-17% Cr solids	230-260*	0%		12 May 17	Hot briquetted iron Venezuela	215-220*	0% 0%		12 May 17
Cif Europe stainless € per tonne					Pig iron fob Vitorio/Rio Pig iron fob Ponta da Maderia	345-350* 365-370*	0%		12 May 17
18/8 solids	1,050-1,080*	-0.93%	▼	12 May 17	US imports \$/tonne cfr Gulf of Mexico	016-606	0 70		12 May 17
18/8 turnings	945-970*	-1.03%	▼	12 May 17	Pig iron	380-385*	0%		12 May 17
Rotterdam export					CIS exports \$/tonne fob main port	200-202	0 70		12 May 11
MB assessment \$/tonnne fob Rotterdam					Pig iron Baltic Sea	399-400*	00/		11 May 17
MB index fob Rotterdam HMS 1&2	74.0 11*	0.070/		12 May 17	Pig iron Black Sea	300-340*	0% 0%		11 May 17
(80:20)	249.11*	0.07%	<u>▲</u>				0 70		II May II
HMS 1&2 (70:30 mix) Shredded	240-242* 250-252*	-3.6% -3.46%	*	12 May 17 12 May 17	China domestic yuan/tonne delivered Pig iron	2,330-2,410*	0%		12 May 17
Turkish import	270 272	J.4U /0	_	12 14dy 11	1 16 II O II	2,330 2,410	U /0		ız May II
•	o uto								
MB assessment \$/tonne cfr main Turkish po MB index cfr Turkey HMS 1&2 (80:20) (North Europe material)	orts 266.92*	1.06%	A	12 May 17					
MB index cfr Turkey HMS 1&2 (80:20)			_						
(United States material)	276.06*	1.05%	A	12 May 17					
HMS 1&2 (75:25 mix)	257-259*	-3.37%	•	12 May 17					
Shredded	277-279*	-0.18%	•	12 May 17					



	9509.1			STEELBENCHMARKER™ SCRAP PRICE	S			
Price	Change [†]		Assessed		Price	Change [†]		Assesse
	90		71000000	Region: USA, east of the Mississippi				7.00000
ne					291	1.75%	•	08 May
	-1 12%	_	12 May 17					08 May
					293	1.12 /0		00 May
· · · · · · · · · · · · · · · · · · ·				tonne)	266	3.5%	•	08 May
1,110-1,150	0 /0		12 May 11	No 1 heavy melting scrap (\$/gross				
1 200 1 460	0.70/	_	10 May 17	ton)	271	3.83%		08 May
<u> </u>				No 1 busheling scrap (\$/metric				
		_						08 May
· · · · · · · · · · · · · · · · · · ·								08 May
1,020-1,140	-1.82%		10 May 17	**For shredded scrap the region is for all b	out the West Coas	t		
				UK NON-FERROUS SCRAP				
1,550-1,580	-1.57%				Price	Change [†]		Assess
800-820	-0.92%	•	09 May 17	Aluminium – actual price				
920-945	-1.32%		09 May 17	•				
				•	1 350_1 1.20*	-2 1,60/	_	10 May
								10 May 10 May
1,285-1,385	-1.11%	▼	05 May 17	1 0				
1,200-1,250	-1.21%	▼	05 May 17					10 May
1,115-1,165	-1.3%	_						10 May
,,							•	10 May
								10 May
								10 May
	4.070/		4014 47	Commercial turnings	700-770*	0%		10 May
				Group 7 turnings	600-670*	-2.31%	•	10 May
				MB and LME aluminium scrap discoun	ıts			
				£pertonne				
				Group 1 pure 99% & Litho	30-110*	4.48%	•	10 May
3,680-3,810	-1.83%	▼	10 May 17					10 May
								10 May
								10 May
4,500-4,550	-4.23%	•	09 May 17					10 May
4,100-4,150	-4.4%	▼	09 May 17					10 May
3,870-3,930	-5.45%	•	09 May 17					
								10 May
								10 May
				· •	625-695*	-0.75%		10 May
2,000 2,000	3.4270		o) Hay II	Titanium				
				\$/Ib cif				
1. 02F 1. 00F	2 200/	_	05 May 17	Turnings, unprocessed type 90/6/4				
					0.80-0.90*	0%		10 May
4,665-4,747	-3.39%		05 May 17		0.72.0.02*	00/		10 May
1, 720-1, 960	_3 010/	_	05 May 17	· · · · · · · · · · · · · · · · · · ·	0.72-0.82*	υ%		10 May
7,120 4,008	0/ 101 ر	•	וו אויו כט	••				
4,510-4,600	-3.45%	\blacksquare	05 May 17	cents/lb				
				No 2 copper (birch/cliff) imported				
-1000 01010	770		op. lay II	into China 94-96% cit China	28-30*	-3.33%	•	24 Apr
3,035-3,365	-3.18%	▼	05 May 17					
3,090-3,165	-3.59%	•	05 May 17					
	800-820 920-945 1,285-1,385 1,200-1,250 1,115-1,165 4,900-5,030 4,400-4,640 3,000-3,240 3,400-3,600 3,680-3,810 4,500-4,550 4,100-4,150	1,300-1,350* -1.12% 1,200-1,240* -0.81% 1,110-1,150* 0% 1,380-1,460 -0.7% 1,250-1,370 0% 1,700-1,800 -0.57% 1,020-1,140 -1.82% 1,550-1,580 -1.57% 800-820 -0.92% 920-945 -1.32% 1,285-1,385 -1.11% 1,200-1,250 -1.21% 1,115-1,165 -1.3% 4,900-5,030 -1.97% 4,400-4,640 -2.16% 3,000-3,240 -2.19% 3,400-3,600 -1.96% 3,680-3,810 -1.83% 4,500-4,550 -4.23% 4,100-4,150 -4.4% 3,870-3,930 -5.45% 3,350-3,450 -3.55% 2,900-2,930 -0.34% 2,800-2,850 -3.42% 4,825-4,905 -3.28% 4,665-4,747 -3.39% 4,720-4,868 -3.81% 4,510-4,600 -3.45%	1,300-1,350* -1.12% ▼ 1,200-1,240* -0.81% ▼ 1,110-1,150* 0% 1,380-1,460 -0.7% ▼ 1,250-1,370 0% 1,700-1,800 -0.57% ▼ 1,020-1,140 -1.82% ▼ 1,550-1,580 -1.57% ▼ 800-820 -0.92% ▼ 920-945 -1.32% ▼ 1,285-1,385 -1.11% ▼ 1,200-1,250 -1.21% ▼ 1,115-1,165 -1.3% ▼ 4,400-4,640 -2.16% ▼ 3,000-3,240 -2.19% ▼ 3,400-3,600 -1.96% ▼ 3,400-3,600 -1.96% ▼ 3,680-3,810 -1.83% ▼ 4,500-4,550 -4.23% ▼ 4,100-4,150 -4.4% ▼ 3,870-3,930 -5.45% ▼ 2,900-2,930 -0.34% ▼ 4,825-4,905 -3.28% ▼ 4,825-4,905 -3.28% ▼ 4,825-4,905 -3.28% ▼ 4,665-4,747 -3.39% ▼ 4,720-4,868 -3.81% ▼	1,300-1,350* -1.12% ▼ 12 May 17 1,200-1,240* -0.81% ▼ 12 May 17 1,110-1,150* 0% 12 May 17 1,110-1,150* 0%	Sheeded scrap (\$/metric tonne)** Sheeded scrap (\$/metric tonne)** Sheeded scrap	Shredded scrap (\$/metric tonne)** 291 1,300-1,350* -1.12%	Shredded scrap (S/metric tonne)** 291 1.75% 1.75% 1.300-1,420* -0.81% ▼ 12 May17 1.100-1,150* 0% 12 May17 1.100-1,150* 0% 10 May17 1.100-1,150* 0% 10 May17 1.250-1,370 0% 10 May17 1.700-1,800 -0.57% ▼ 10 May17 1.020-1,140 -1.82% ▼ 10 May17 1.020-1,140 -1.82% ▼ 10 May17 1.020-1,140 -1.82% ▼ 09 May17 1.020-1,140 -1.82% ▼ 09 May17 1.1550-1,580 -1.57% ▼ 09 May17 1.1550-1,580 -1.32% ▼ 09 May17 1.100-1,170* 0.020 0.02% ▼ 09 May17 1.100-1,170* 0.02% ▼ 09 May17 1.100-1,170* 0.02% ▼ 09 May17 1.100-1,170* 0.02% ▼ 09 May17 1.100-1,170* 0.02% ▼ 09 May17 1.100-1,170* 0.02% ■ 0.02% ▼ 09 May17 1.100-1,170* 0.02% ■ 0.02% ▼ 09 May17 1.100-1,170* 0.02% ■ 0.02% ▼ 09 May17 1.100-1,170* 0.02% ■ 0.02% ▼ 09 May17 1.100-1,170* 0.02% ■ 0.02% ▼ 09 May17 1.100-1,170* 0.02% ■ 0.02% ▼ 09 May17 1.100-1,170* 0.02% ■ 0.02% ▼ 09 May17 1.100-1,170* 0.02% ■ 0.02% ▼ 0.	Shredded scrap (\$\text{strict}\text{change}\text{**} \ \ \ \ \ \ 12 \text{ May 17} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \

NON-FERROUS FOUNDRY INGOTS			
	Price	Change [†]	Assessed
Aluminium UK £/tonne			
MB free market			
LM24 pressure diecasting ingot	1,580-1,650*	-0.62%	▼ 10 May 17
LM6/LM25 gravity diecasting ingot	1,750-1,830*	-1.1%	▼ 10 May 17
NB: prices expressed delivered consume	r works, LM series	as specified in BS	51490
Aluminium Europe			
MB free market			
Duty paid delivered works pressure diecasting ingot price (DIN226/A380)	1 750 1 020*	1 10/	▼ 12 May 17
- €/tonne	1,750-1,830*	-1.1%	▼ 12 May 17
Aluminum US \$/lb delivered Midwes		00/	44 14 47
A380.1 alloy	0.91-0.92*	0%	11 May 17
AFFIMET €/tonne	2.760	00/	0.14
AS12	3,760	0%	01 May 17
AS12 UN	3,020	-1.63%	▼ 01 May 17
AS9 U3	2,395	-2.04%	▼ 01 May 17
ASS U3 Reflects generally larger traded lets	2,745	-1.79%	▼ 01 May 17
Reflects generally larger traded lots			
VDM €/1000 kg delivered	22122112	00/	40.14
DIN 226	2,340-2,440	0%	10 May 17
DIN 231	2,420-2,520	0%	10 May 17
DIN 311	2,400-2,500	0%	10 May 17
Aluminium bronze £/tonne UK		2.220/	— 00 M17
AB1 ex-works	4,400	-2.22% -2.17%	▼ 09 May 17
AB2 ex-works Source: C.F. Booth Ltd	4,500	-2.1170	▼ 09 May 17
Brass UK £/tonne	2.650	00/	00.1417
SCB3 ex-works	3,650	0%	09 May 17
High tensile HTB1 ex-works	3,700	-1.33%	▼ 09 May 17
Source: C.F. Booth Ltd			
Gunmetal UK £/tonne		2.220/	— 00 M17
LG2 85/5/5/5 ex-works	4,400	-2.22%	▼ 09 May 17
LG4 87/7/3/3 ex-works	5,000	-3.85% -2.52%	▼ 09 May 17 ▼ 09 May 17
G11.15 PB ex-works Source: C.F. Booth Ltd	5,800	-2.52%	▼ 09 May 17
Phosphor bronze UK £/tonne	(100	2 200/	■ 00 May 17
PB1 ex-works	6,400	-2.29%	▼ 09 May 17
Source: C.F. Booth Ltd			
Phosphor copper £/tonne	F 000	2 200/	■ 00 May 17
10% P ex-works	5,900	-3.28%	▼ 09 May 17
15% P ex-works	6,000	-3.23%	▼ 09 May 17
Source: C.F. Booth Ltd			
Zinc alloys UK £/tonne	d 1114)		
Brock Metal Co contract alloy price (delive		6.720/	— 0114- 17
Brock Metal ZL3	2,577	-6.73%	▼ 01 May 17
Brock Metal ZL5	2,602	-6.7%	▼ 01 May 17



Cutting-edge graphing technology enables you to:

- Track over 950 metals prices with ease
- Quidkly analyse and compare prices
- Create sophisticated charts for presentations and reports

Start using your **Price Book** today **www.metalbulletin.com**

15 May 2017	Metal Bulletin Daily	Number 9509.1
-------------	----------------------	---------------

Monthly averages: April

BASE METALS			
		Lovv	High
Aluminium			
Aluminium P1020A, in-warehouse Rotterdam premium, duty unpaid, spot \$/tonne		90.00	99.78
Aluminium P1020A, in-warehouse Rotterdam duty paid, spot \$/tonne		145.71	159.29
Alumina			
Index fob Australia		308.11	
Copper			
US High-grade cathode premium indicator, \$/tonne		115.74	126.77
Nickel			
Free market in warehouse premium			
Europe \$/tonne	Uncut cathodes	135.00	172.50
	4x4 cathodes	257.50	305.00
	Briquettes	180.00	215.00
US	Melting \$/Ib	0.19	0.25
Tin			
European free m	arket		
Spot Premium 99.9%, \$/tonne		318.75	366.25
Spot premium 99	9.85%, \$/tonne	307.50	328.75
Kuala Lumpur (ex-smelter), \$/tonne		19,875.26	

### Antimony MB free market Regulus 99.65%, max Se 50ppm, in warehouse,\$/tonne			
MB free market Regulus 99.65%, max Se 50ppm, in warehouse,\$/Itonne 8,850.00 9,100.00 MMTA Standard grade II, \$/tonne 8,775.00 9,037.50 Bismuth MB free market min. 99.99%, tonne lots, in warehouse, \$/Ib 4.66 5.06 Cadmium MB free market min 99.99%, in warehouse, cents/lb 74.63 81.63 min 99.99%, in warehouse cents/lb 77.63 86.13 Cobalt MB free market High Grade, in warehouse, \$/Ib 27.08 28.44 Low Grade, in warehouse, \$/Ib 24.82 26.34 Germanium Dioxide MB free market min 99.99%, \$/kg 697.50 780.00 Rotterdam, \$/kg 1,050.00 1,206.25 Indium MB free market ingots, min 99.97%, in warehouse, \$/Ikg 190.00 223.75 Magnesium MB free market min 99.8%, \$/tonne 2,200.00 2,300.00 China free market min 99.8%, \$/tonne 2,230.00 2,247.50 Mercury MB free market	MINOR METALS		
max Se 50ppm, in warehouse, \$/tonne 8,850.00 9,100.00 MMTA Standard grade II, \$/tonne 8,775.00 9,037.50 Bismuth MB free market min. 99.99%, tonne lots, in warehouse, \$/lb 4.66 5.06 Cadmium MB free market min 99.95%, in warehouse, cents/lb 74.63 81.63 MB free market High Grade, in warehouse cents/lb 27.08 28.44 Low Grade, in warehouse, \$/lb 27.08 28.44 Low Grade, in warehouse, \$/lb 24.82 26.34 Germanium Dioxide MB free market min 99.99%, \$/kg 697.50 780.00 Rotterdam, \$/kg 1,050.00 1,206.25 Indium MB free market ingots, min 99.97%, in warehouse, \$/kg 190.00 223.75 Magnesium MB free market min 99.8%, \$/tonne 2,200.00 2,300.00 China free market min 99.8%, \$/tonne 2,230.00 2,247.50 Mercury MB free market	Antimony		
MMTA Standard grade II, \$/tonne 8,775.00 9,037.50 Bismuth		8.850.00	9.100.00
Bismuth MB free market min. 99.99%, tonne lots, in warehouse, \$/lb		<u> </u>	
In warehouse, \$/Ib		·	·
MB free market min 99.95%, in warehouse, cents/lb 74.63 81.63 min 99.99%, in warehouse cents/lb 77.63 86.13 Cobalt MB free market High Grade, in warehouse, \$/lb 27.08 28.44 Low Grade, in warehouse, \$/lb 24.82 26.34 Germanium Dioxide MB free market min 99.99%, \$/kg 697.50 780.00 Rotterdam, \$/kg 1,050.00 1,206.25 Indium MB free market ingots, min 99.97%, in warehouse, \$/kg 190.00 223.75 Magnesium MB free market min 99.8%, \$/tonne 2,200.00 2,300.00 China free market min 99.8%, \$/tonne 2,230.00 2,247.50 Mercury MB free market		4.66	5.06
min 99.95%, in warehouse, cents/lb 74.63 81.63 min 99.99%, in warehouse cents/lb 77.63 86.13 Cobalt MB free market High Grade, in warehouse, \$/lb 27.08 28.44 Low Grade, in warehouse, \$/lb 24.82 26.34 Germanium Dioxide MB free market min 99.99%, \$/kg 697.50 780.00 Rotterdam, \$/kg 1,050.00 1,206.25 Indium MB free market ingots, min 99.97%, in warehouse, \$/lkg 190.00 223.75 Magnesium MB free market min 99.8%, \$/tonne 2,200.00 2,300.00 China free market min 99.8%, \$/tonne 2,230.00 2,247.50 Mercury MB free market	Cadmium		
Cobalt MB free market High Grade, in warehouse, \$/I/b 27.08 28.44 Low Grade, in warehouse, \$/I/b 24.82 26.34 Germanium Dioxide MB free market min 99.99%, \$/kg 697.50 780.00 Rotterdam, \$/kg 1,050.00 1,206.25 Indium MB free market ingots, min 99.97%, in warehouse, \$/kg 190.00 223.75 Magnesium MB free market min 99.8%, \$/tonne 2,200.00 2,300.00 China free market min 99.8%, \$/tonne 2,230.00 2,247.50 Mercury MB free market		74.63	81.63
MB free market High Grade, in warehouse, \$/Ib	min 99.99%, in warehouse cents/lb	77.63	86.13
High Grade, in warehouse, \$/lb 27.08 28.44 Low Grade, in warehouse, \$/lb 24.82 26.34 Germanium Dioxide MB free market min 99.99%, \$/kg 697.50 780.00 Rotterdam, \$/kg 1,050.00 1,206.25 Indium MB free market ingots, min 99.97%, in warehouse, \$/kg 190.00 223.75 Magnesium MB free market min 99.8%, \$/tonne 2,200.00 2,300.00 China free market min 99.8%, \$/tonne 2,230.00 2,247.50 Mercury MB free market	Cobalt		
Germanium Dioxide MB free market min 99.99%, \$/kg 697.50 780.00 Rotterdam, \$/kg 1,050.00 1,206.25 Indium MB free market ingots, min 99.97%, in warehouse, \$/kg 190.00 223.75 Magnesium MB free market min 99.8%, \$/tonne 2,200.00 2,300.00 China free market min 99.8%, \$/tonne 2,230.00 2,247.50 Mercury MB free market		27.08	28.44
MB free market min 99.99%, \$/kg 697.50 780.00 Rotterdam, \$/kg 1,050.00 1,206.25 Indium MB free market ingots, min 99.97%, in warehouse, \$/kg 190.00 223.75 Magnesium MB free market min 99.8%, \$/tonne 2,200.00 2,300.00 China free market min 99.8%, \$/tonne 2,230.00 2,247.50 Mercury MB free market	Low Grade, in warehouse, \$/Ib	24.82	26.34
Rotterdam, \$/kg 1,050.00 1,206.25 Indium MB free market ingots, min 99.97%, in warehouse, \$/kg 190.00 223.75 Magnesium MB free market min 99.8%, \$/tonne 2,200.00 2,300.00 China free market min 99.8%, \$/tonne 2,230.00 2,247.50 Mercury MB free market	Germanium Dioxide		
Indium MB free market ingots, min 99.97%, in warehouse, \$/kg 190.00 223.75 Magnesium Wagnesium 2,200.00 2,300.00 China free market min 99.8%, \$/tonne 2,230.00 2,247.50 Mercury MB free market	MB free market min 99.99%, \$/kg	697.50	780.00
MB free market ingots, min 99.97%, in warehouse, \$/kg 190.00 223.75 Magnesium MB free market min 99.8%, \$/tonne 2,200.00 2,300.00 China free market min 99.8%, \$/tonne 2,230.00 2,247.50 Mercury MB free market	Rotterdam, \$/kg	1,050.00	1,206.25
in warehouse, \$/kg 190.00 223.75 Magnesium MB free market min 99.8%, \$/tonne 2,200.00 2,300.00 China free market min 99.8%, \$/tonne 2,230.00 2,247.50 Mercury MB free market	Indium		
MB free market min 99.8%, \$/tonne 2,200.00 2,300.00 China free market min 99.8%, \$/tonne 2,230.00 2,247.50 Mercury MB free market		190.00	223.75
China free market min 99.8%, \$/tonne 2,230.00 2,247.50 Mercury MB free market	Magnesium		
Mercury MB free market	MB free market min 99.8%, \$/tonne	2,200.00	2,300.00
MB free market	China free market min 99.8%, \$/tonne	2,230.00	2,247.50
1 12 11 22 11	Mercury		
		1,100.00	1,337.50
Selenium	Selenium		
MB free market min 99.5% in warehouse, \$/lb 18.88 21.46		18.88	21.46

copyright 0 2002 i	2017 Metal Bulletill
Low	High
1,900.00	1,980.00
4.59	5.01
	Low 1,900.00

ORES & ALLOYS		
	Lovv	High
Molybdenum		
Free market in warehouse Europe drummed molybdic oxide \$/lb Mo	8.79	8.91
US canned molybdic oxide \$/lb Mo	8.95	9.15
Ferro-molybdenum		
basis 65% min, in-warehouse Rotterdam, \$/kg Mo	21.73	22.12
Tungsten		
European free market APT, \$/mtu	207.50	216.25
Ferro-tungsten		
basis 75% W min, \$/kg	24.66	25.43
Vanadium		
min 98%, in-warehouse Rotterdam, V205, \$/lb	5.68	6.03
Ferro-vanadium		
basis 78% min, free delivery duty paid consumer plant, 1st grade Western Europe, \$/kg V	27.43	28.34
US Free market 70–80%, \$/Ib	12.31	12.81

PRECIOUS METALS	5		
Gold			
London \$/troy oz	Morning	1,267.15	
	Afternoon	1,265.63	
London £/troy oz	Morning	1,002.83	
	Afternoon	1,001.23	
\$/troy oz	Handy/Harman	1,266.88	
Palladium			
Morning \$/troy oz		799.17	
Afternoon \$/troy oz		799.89	
Platinum: per troy	y oz		
Morning \$/troy oz		961.17	
Afternoon \$/troy oz		959.89	
Rhodium			
European free marke min 99.9% in-ware		973.06	1,073.06
Silver			
London			
spot pence/troy oz		1,428.94	
spot cents/troy oz		1,805.83	
Handy/Harman cents/troy oz		1,803.34	



15 May 2017 Metal Bulletin Daily Number 9509.1		
FOUNDRY INGOTS		
	Low	High
Aluminium		
LM24, £/tonne	1,592.50	1,642.50
LM6/LM25, £/tonne	1,770.00	1,840.00
Aluminium Europe €/tonne	1,813.33	1,886.67
Phosphor Bronze		
PB1 ex-works, £/tonne	6,616.67	
Zinc Alloy		
ZL3, £/tonne	2,763.00	

EXCHANGE	EXCHANGE RATES (CLOSING RATES)		
\$/£	1.26		
\$/yen	110.17		
SI€	1.07		

Copyright © 2002–2017 Metal Bulletin Metal Bulletin monthly average prices are calculated on those price quotations formulated during the month.

LONDON METAL EXCHANGE

High, low and average April (18 days)
LME averages are mean of buyers and sellers except for settlement and 3 months sellers

settlement and 3 months sellers.	.ners except for		
	April 2017		April
	Lovv	High	average
	\$	\$	\$
Aluminium (\$)			
Cash	1,700.50	1,961.00	1,930.61
3 months	1,688.25	1,971.75	1,940.90
Settlement	1,701.00	1,962.00	1,930.94
3 months seller	1,688.50	1,972.00	1,941.31
Copper Grade A (\$)			
Cash	5,500.25	6,144.50	5,697.36
3 months	5,517.00	6,155.50	5,727.26
Settlement	5,500.50	6,145.00	5,697.67
3 months seller	5,518.00	6,156.00	5,728.00
Copper Grade A (£)			
Settlement	4,358.03	4,954.94	4,508.65
3 months seller	4,370.49	4,922.04	4,521.58
Lead (\$)			
Cash	2,006.75	2,441.50	2,230.78
3 months	2,021.00	2,444.50	2,230.44
Settlement	2,007.00	2,442.00	2,231.31
3 months seller	2,022.00	2,445.00	2,231.03
Lead (£)			
Settlement	1,635.70	1,950.95	1,765.87
3 months seller	1,644.30	1,949.45	1,761.45
Nickel (\$)			
Cash	9,180.00	11,042.50	9,664.86
3 months	9,222.50	11,092.50	9,721.81
Settlement	9,190.00	11,045.00	9,668.61
3 months seller	9,225.00	11,095.00	9,725.83
Tin (\$)			
Cash	18,757.50	21,295.00	19,981.94
3 months	18,755.00	21,212.50	19,951.11
Settlement	18,760.00	21,300.00	19,991.39
3 months seller	18,760.00	21,225.00	19,960.00

	20 1.1.6		
	April 2017		April
	Low	High	average
	\$	\$	\$
Zinc (\$)			
Cash	2,529.50	2,970.50	2,632.50
3 months	2,554.50	2,958.25	2,649.19
Settlement	2,530.00	2,971.00	2,633.03
3 months seller	2,555.00	2,958.50	2,649.75
Cobalt (\$)	2/333.00	2///01/0	210.13.1.3
Cash	32,750.00	56,250.00	55,319.58
3 months	32,750.00	56,250.00	55,319.44
Settlement	33,000.00	56,500.00	55,555.83
3 months seller	33,000.00	56,500.00	55,569.44
Molybdenum (\$)	<u> </u>		
Cash	15,000.00	15,000.00	15,000.00
3 months	15,000.00	15,000.00	15,000.00
Settlement	15,250.00	15,250.00	15,250.00
3 months seller	15,250.00	15,250.00	15,250.00
Aluminium Alloy (\$)			
Cash	1,540.00	1,715.00	1,682.22
3 months	1,560.00	1,725.00	1,691.11
Settlement	1,545.00	1,720.00	1,687.22
3 months seller	1,565.00	1,730.00	1,696.11
Nasaa (\$)			
Cash	1,695.00	1,945.00	1,784.26
3 months	1,725.00	1,960.00	1,815.14
Settlement	1,700.00	1,950.00	1,785.53
3 months seller	1,730.00	1,965.00	1,818.89
Steel Billet (\$)			
Cash	0.25	312.50	104.33
3 months	0.25	312.50	104.33
Settlement	0.00	325.00	108.33
3 months seller	0.00	325.00	108.33

Copyright © 2002–2017 Metal Bulletin

LME SETTLEMENT CONVERSION RATES		
\$/£	1.26	
\$/yen \$/€	110.33	
SI€	1.07	