



Prices

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NEW YORK FUTURES			
	Price	Change [†]	Assessed
Comex: Copper high grade cents/lb			
Settlement	275.85	-0.9%	▼ 16 May 19
Open interest	257,016	5.02%	▲ 15 May 19
Stocks (short ton)	32,216	-1.14%	▼ 15 May 19
Comex: Gold \$/troy oz			
Settlement	1,285	0.12%	▲ 16 May 19
Open interest	524,355	13.29%	▲ 15 May 19
Stocks (troy oz)	7,701,987	-0.01%	▼ 15 May 19
Nymex: Palladium \$/troy oz			
Settlement	1,324.70	3.25%	▲ 16 May 19
Stocks (troy oz)	42,386	0%	15 May 19
Nymex: Platinum \$/troy oz			
Settlement	833.60	-2.09%	▼ 16 May 19
Stocks (troy oz)	175,195	0%	15 May 19
Comex: Silver cents/troy oz			
Settlement	1,447.90	-1.55%	▼ 16 May 19
Open interest	204,318	2.78%	▲ 15 May 19
SHANGHAI FUTURES			
	Price	Change [†]	Assessed
Aluminium yuan/tonne	14,290	0.7%	▲ 17 May 19
Copper yuan/tonne	47,630	-0.27%	▼ 17 May 19
Nickel cathode yuan/tonne	97,850	1.45%	▲ 17 May 19
Tin ingot yuan/tonne	145,790	0.59%	▲ 17 May 19
Zinc yuan/tonne	21,135	-0.26%	▼ 17 May 19
Steel rebar month 1 yuan/tonne	3,951	-4.54%	▼ 17 May 19
Steel rebar month 2 yuan/tonne	3,973	0.23%	▲ 17 May 19
Steel rebar month 3 yuan/tonne	3,985	1.12%	▲ 17 May 19
Weekly stocks deliverable			
Aluminium (tonnes)	569,131	-5.36%	▼ 17 May 19
Copper (tonnes)	187,963	-3.22%	▼ 17 May 19
Nickel cathode (tonnes)	8,821	-3.31%	▼ 17 May 19
Tin ingot (tonnes)	8,340	-1.62%	▼ 17 May 19
Zinc (tonnes)	68,808	-1.4%	▼ 17 May 19
Steel rebar (tonnes)	26,608	877.16%	▲ 17 May 19
DAILY METAL AND STEEL			
<i>London forward LME settlement prices. All prices per tonne, unless otherwise stated, in LME warehouse, EU duty, if any paid for buyers account</i>			
	Price	Change [†]	Assessed
Aluminium high grade \$			
Cash official	1,804.5-1,805	2.28%	▲ 17 May 19
Cash unofficial	1,837.5-1,839.5	3.96%	▲ 16 May 19
3 months official	1,834-1,835	1.9%	▲ 17 May 19
3 months unofficial	1,867-1,869	3.84%	▲ 16 May 19
LME Tapo notional average price (NAP)	1,782.77	0.4%	▲ 16 May 19
LME stocks (tonnes)	1,239,975	-2.1%	▼ 16 May 19
Aluminium alloy (A380.1/DIN/D12S) \$			
LME cash official	1,335-1,345	-0.37%	▼ 17 May 19
LME cash unofficial	1,350-1,360	0.74%	▲ 16 May 19
LME 3 months official	1,350-1,360	-1.09%	▼ 17 May 19
LME 3 months unofficial	1,350-1,360	-1.09%	▼ 16 May 19
LME stocks (tonnes)	7,300	-7.36%	▼ 16 May 19

	Price	Change	Assessed
N. American special aluminium alloy			
LME cash official	1,149-1,150	-3.04%	▼ 17 May 19
LME cash unofficial	1,168-1,178	-2.09%	▼ 16 May 19
LME 3 months official	1,170-1,180	-3.29%	▼ 17 May 19
LME 3 months unofficial	1,190-1,200	-2.05%	▼ 16 May 19
LME stocks (tonnes)	109,920	-1.63%	▼ 16 May 19
Copper grade A \$			
LME cash official	6,020-6,025	-1.84%	▼ 17 May 19
LME cash unofficial	6,089.5-6,091.5	0.23%	▲ 16 May 19
LME 3 months official	6,043-6,044	-1.67%	▼ 17 May 19
LME 3 months unofficial	6,119-6,121	0.44%	▲ 16 May 19
LME Tapo notional average price (NAP)	6,132.45	-1.04%	▼ 16 May 19
LME stocks (tonnes)	190,550	-9.89%	▼ 16 May 19
Lead \$			
LME cash official	1,808-1,809	-0.78%	▼ 17 May 19
LME cash unofficial	1,822.5-1,824.5	-0.95%	▼ 16 May 19
LME 3 months official	1,823-1,824	-0.63%	▼ 17 May 19
LME 3 months unofficial	1,836-1,838	-0.76%	▼ 16 May 19
LME stocks (tonnes)	73,400	-0.71%	▼ 16 May 19
Nickel \$			
LME cash official	12,020-12,025	1.35%	▲ 17 May 19
LME cash unofficial	12,190-12,215	4.09%	▲ 16 May 19
LME 3 months official	12,050-12,060	1.2%	▲ 17 May 19
LME 3 months unofficial	12,175-12,200	3.61%	▲ 16 May 19
LME stocks (tonnes)	164,400	-3.05%	▼ 16 May 19
Tin \$			
LME cash official	19,580-19,625	-0.18%	▼ 17 May 19
LME cash unofficial	19,675-19,725	1.34%	▲ 16 May 19
LME 3 months official	19,450-19,475	0.7%	▲ 17 May 19
LME 3 months unofficial	19,500-19,550	1.3%	▲ 16 May 19
LME stocks (tonnes)	1,515	71.19%	▲ 16 May 19
Zinc special high grade \$			
LME cash official	2,750-2,755	0.07%	▲ 17 May 19
LME cash unofficial	2,771-2,773	2.29%	▲ 16 May 19
LME 3 months official	2,606-2,607	-0.88%	▼ 17 May 19
LME 3 months unofficial	2,630-2,632	0.77%	▲ 16 May 19
LME stocks (tonnes)	105,300	7.83%	▲ 16 May 19
Cobalt min 99.3%			
LME cash official	34,250-34,750	0%	17 May 19
LME 3 months official	34,250-34,750	0%	17 May 19
LME stocks (tonnes)	893	1.02%	▲ 16 May 19
Gold \$/troy oz			
London morning	1,295.55	0.89%	▲ 16 May 19
London afternoon	1,291.70	0.44%	▲ 16 May 19
Handy/Harman	1,291.70	0.44%	▲ 16 May 19
Silver per troy oz			
London spot pence	1,154	1.14%	▲ 16 May 19
London spot cents	1,479.5	-0.17%	▼ 16 May 19
Handy/Harman	1,456	-1.5%	▼ 16 May 19
Palladium \$/troy oz			
London morning	1,337	2.85%	▲ 16 May 19
London afternoon	1,335	4.79%	▲ 16 May 19
Platinum \$/troy oz			
London morning	848	-0.93%	▼ 16 May 19
London afternoon	842	-1.06%	▼ 16 May 19

† week-on-week change

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	Price	Change	Assessed
Kuala Lumpur tin market			
Tin \$/tonne	19,520	1.46% ▲	17 May 19
ICDX			
Tin PB300 settlement price \$/tonne	19,365	-1.3% ▼	09 May 19
Tin PB300 volume, tonnes	79	-77.03% ▼	09 May 19
RAND FIXING PRICES			
<i>Rand fixing prices per tonne for London Metal Exchange trade</i>			
	Price	Change†	Assessed
Copper	86,414.77	-1.74% ▼	17 May 19
Aluminium	25,888.57	2.33% ▲	17 May 19
Lead	25,945.94	-0.71% ▼	17 May 19
Zinc	39,514.14	0.21% ▲	17 May 19
Nickel	172,470.97	1.41% ▲	17 May 19
Tin	281,475.49	-0.07% ▼	17 May 19
EXCHANGE RATES			
	Price	Change†	Assessed
LME settlement conversion rates			
\$/£	1.2740	-2.05% ▼	17 May 19
\$/¥	109.5700	-0.16% ▼	17 May 19
\$/€	1.1168	-0.55% ▼	17 May 19
Closing rates, midpoint			
\$/£	1.2791	-1.76% ▼	16 May 19
\$/¥	109.9400	0.34% ▲	16 May 19
\$/€	1.1179	-0.45% ▼	16 May 19
£/€	1.1442	-1.31% ▼	16 May 19
\$/CNY	6.8821	0.89% ▲	16 May 19
BASE METALS ARBITRAGE			
	Price	Change†	Assessed
Aluminium			
Import arbitrage, \$/tonne	-167.01*	67.23% ▲	17 May 19
Import arbitrage, yuan/tonne	-1,155.85*	69.74% ▲	17 May 19
Import arbitrage, cfr Owensboro-origin LME Warehouses, Busan, \$/tonne	264.60*	-0.47% ▼	01 May 19
Import arbitrage, cfr Owensboro-origin LME Warehouses, Johor, \$/tonne	270.73*	-0.84% ▼	01 May 19
Import arbitrage, cfr Owensboro-origin LME Warehouses, Port Klang, \$/tonne	270.73*	-0.84% ▼	01 May 19
Import arbitrage, cfr Owensboro-origin LME Warehouses, Singapore, \$/tonne	255.64*	-0.98% ▼	01 May 19
Copper			
Import arbitrage, \$/tonne	-30.04*	-10.38% ▼	17 May 19
Import arbitrage, yuan/tonne	-207.91*	-9.02% ▼	17 May 19
Nickel			
Import arbitrage, \$/tonne	63.03*	-80.7% ▼	17 May 19
Import arbitrage, yuan/tonne	436.19*	-80.42% ▼	17 May 19
Zinc			
Import arbitrage, \$/tonne	-69.86*	98.18% ▲	17 May 19
Import arbitrage, yuan/tonne	-483.45*	101.13% ▲	17 May 19

MB BASE METAL PREMIUMS

All prices \$/tonne unless otherwise stated

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	Price	Change†	Assessed
Copper			
Annual premium 8mm wire rod, cif Nhava Sheva, \$/tonne	130-175*	-12.86% ▼	07 Sep 18
Rotterdam, Grade A, cathode, cif, \$/tonne	38.0-50.0*	0%	14 May 19
Germany, Grade A, cathode, delivered, \$/tonne	80.0-95.0*	0%	14 May 19
North European warrants, Grade A cathode, in-warehouse, \$/tonne	10.0-20.0*	0%	15 May 19
South European warrants, Grade A cathode, in-warehouse, \$/tonne	10.0-20.0*	0%	15 May 19
Leghorn, copper low-high premium, Grade A, cathode, cif, \$/tonne	50.0-60.0*	0%	14 May 19
Japan, copper, Grade A, cathode, cif, \$/tonne	60.0-70.0*	-3.7% ▼	14 May 19
South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne	40.0-60.0*	0%	14 May 19
Southeast Asian warrants, Grade A cathode, in-warehouse, \$/tonne	10.0-20.0*	0%	15 May 19
East Asian warrants, Grade A cathode, in-warehouse, \$ per tonne	10.0-20.0*	0%	15 May 19
Southeast Asia, Grade A cathode, cif, \$ per tonne	55.0-65.0*	-11.11% ▼	14 May 19
Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne	40.0-62.0*	4.08% ▲	17 May 19
Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne	40.0-60.0*	4.17% ▲	17 May 19
Shanghai, copper cif ER, premium, Grade A, cathode, \$/tonne	45.0-60.0*	-2.78% ▼	17 May 19
Shanghai, copper cif SX-EW, premium, Grade A, cathode, \$/tonne	40.0-45.0*	1.19% ▲	17 May 19
Shanghai, copper bonded in-warehouse, SX-EW, premium, Grade A, cathode, \$/tonne	40.0-45.0*	4.94% ▲	17 May 19
Shanghai, copper bonded in-warehouse, ER, premium, Grade A, cathode, \$/tonne	45.0-62.0*	0%	17 May 19
Taiwan, Grade A cathode, cif, \$ per tonne	47.0-65.0*	0%	14 May 19
United States warrants, Grade A cathode, \$/tonne	5.0-15.0*	0%	15 May 19
Copper Cathode, Grade 1 premium, Delivered Domestic US, US cents/pound	7.5-8.0*	5.08% ▲	14 May 19
Copper Cathode, Grade 1 premium, Delivered Domestic US, \$/tonne	165.3-176.4*	5.08% ▲	14 May 19
Aluminium			
Aluminium P1020A, in-warehouse Rotterdam duty-unpaid, spot low-high, \$/tonne	85.0-90.0*	0%	17 May 19
Aluminium P1020A, cif main Korea ports, spot low-high, \$/tonne	100-110*	0%	14 May 19
Aluminium P1020A, Southeast Asian warrants, in-warehouse, \$/tonne	10.0-20.0*	0%	15 May 19
Aluminium P1020A, East Asian warrants, in-warehouse, \$/tonne	10.0-20.0*	0%	15 May 19
Aluminium P1020A, cif Shanghai, spot low-high, \$/tonne	95.0-105.0*	0%	14 May 19
Aluminium P1020A, South Korea, fca, \$/tonne	120.0-130.0*	0%	14 May 19
Aluminium P1020A, Shanghai, in-warehouse, \$/tonne	95.0-105.0*	0%	14 May 19
Aluminium P1020A, Taiwan, cif, \$/tonne	100.0-110.0*	-4.55% ▼	14 May 19
Aluminium P1020A, Italy, fca duty-paid, spot, \$/tonne	160.0-180.0*	0%	14 May 19
Aluminium P1020A, Spain, fca duty-paid, \$/tonne	160.0-180.0*	3.03% ▲	14 May 19

† week-on-week change

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	Price	Change	Assessed
Aluminium P1020A, Turkey, cif duty-unpaid, \$/tonne	80.0-90.0*	0%	14 May 19
Aluminium ingotADC 12 ex-works China, duty-paid, yuan/tonne	13,700-14,000*	0%	15 May 19
Aluminium ingotADC 12 spot, main Japanese ports, \$/tonne	1,660-1,680*	-2.34% ▼	15 May 19
Aluminium P1020A, cif main Japanese ports, spot low-high, \$/tonne	95.0-105.0*	2.56% ▲	17 May 19
Aluminium P1020A, cif main Japanese ports, quarterly, \$/tonne	105.0-105.0*	25% ▲	25 Mar 19
Aluminium P1020A, in-warehouse Rotterdam duty-paid, spot \$/tonne	140.0-150.0*	1.75% ▲	17 May 19
Aluminium 6063 extrusion billet, in-warehouse Rotterdam duty-paid, spot, \$/tonne	340.0-370.0*	0%	17 May 19
Aluminium P1020A, free market delivered, cents per pound	102.08-102.58*	3.2% ▲	16 May 19
Aluminium P1020A, duty paid premium, delivered Midwest, cents per pound	18.75-19.25*	0%	17 May 19
Aluminium P1020A, cif Baltimore premium, US cents/lb	5.5-5.75*	0%	14 May 19
Aluminium P1020A, US warrants, in-warehouse, \$/tonne	115.0-125.0*	0%	15 May 19
Aluminium P1020A, delivered Sao Paulo region, spot, \$/tonne	220.0-240.0*	0%	14 May 19
Aluminium P1020A, cif Brazilian main ports duty-unpaid, spot, \$/tonne	165.0-175.0*	0%	14 May 19
Aluminium 6063 + 6060 extrusion billet, cif Brazilian main ports, spot (premium over LME cash), \$/tonne	310.0-340.0*	-5.8% ▼	10 May 19
Aluminium billet, delivered duty-paid North Germany (Ruhr region) over LME 30-day pay, \$/gross tonne	380.0-410.0*	0%	17 May 19
Aluminium billet, delivered duty-paid Italy (Brescia area) over LME 60-day pay, \$/gross tonne	375.0-400.0*	-0.64% ▼	17 May 19
Aluminium billet, delivered duty-paid Spain over LME 60-day pay, \$/gross tonne	380.0-400.0*	0%	10 May 19
Aluminium billet, cif Thailand duty-unpaid over LME cash pay, \$/gross tonne	190.0-210.0*	0%	10 May 19
Aluminium billet, cif Japan duty-unpaid over MJP and LME cash pay, \$/gross tonne	140.0-155.0*	0%	18 Apr 19
Aluminium billet, cif Turkey (Marmara region) duty-unpaid over LME cash pay, \$/gross tonne	270.0-300.0*	0%	10 May 19
Aluminium foundry alloy premium, delivered duty-paid, Germany, \$/tonne	340.0-360.0*	0%	10 May 19
Aluminium foundry alloy premium, delivered duty-paid, Eastern Europe, \$/tonne	360.0-380.0*	0%	10 May 19
Aluminium foundry alloy premium, delivered duty-unpaid, US midwest, \$/tonne	12.0-15.0*	-6.9% ▼	10 May 19
Aluminium foundry alloy premium, delivered duty-paid cif Turkey, \$/tonne	170.0-180.0*	0%	10 May 19
Annual aluminium wheel alloy silicon 7 ingot cif main Japanese ports (Yokohama, Osaka, Nagoya) \$/tonne	120.0-140.0*	15.56% ▲	11 Jan 19
Annual aluminium wheel alloy silicon 7 ingot cif main South Korean ports (Busan, Gwangyang, Incheon) \$/tonne	95.0-125.0*	22.22% ▲	11 Jan 19
Lead			
North European warrants, min 99.97% ingots, in-warehouse, \$/tonne	10.0-15.0*	0%	15 May 19
Southeast Asian warrants, min 99.97% ingots, in-warehouse, \$/tonne	10.0-20.0*	0%	15 May 19
East Asian warrants, min 99.97% ingots, in-warehouse, \$/tonne	10.0-20.0*	0%	15 May 19
Southeast Asia, min 99.97% cif, \$/tonne	70.0-80.0*	0%	14 May 19
Southeast Asia, 99.99% cif, \$/tonne	120.0-140.0*	0%	14 May 19
Taiwan, 99.97% purity, cif, \$/tonne	60.0-90.0*	0%	14 May 19
Taiwan, 99.99% purity, cif, \$/tonne	135.0-145.0*	0%	14 May 19

	Price	Change	Assessed
India, 99.97% purity, cif, \$/tonne	90.0-95.0*	23.33% ▲	14 May 19
India, 99.99% purity, cif, \$/tonne	130.0-150.0*	0%	14 May 19
South European warrants, 99.97% purity, in-warehouse, \$/tonne	10.0-15.0*	0%	15 May 19
US warrants, 99.97% purity, in-warehouse, \$/tonne	20.0-30.0*	0%	15 May 19
US lead premium 99.97%, delivered domestic, cents/lb	9-11*	0%	14 May 19
US lead premium 99.99%, delivered domestic, cents/lb	11-13*	0%	14 May 19
Nickel			
Shanghai, nickel low-high premium, 99.8% purity in-warehouse, \$/tonne	220.0-250.0*	0%	14 May 19
Shanghai, nickel low-high premium, 99.8% purity, full plate, cif, \$/tonne	220.0-240.0*	6.98% ▲	14 May 19
Shanghai, nickel premium, 99.80% purity, briquette, duty-free, cif, \$/tonne	240.0-270.0*	0%	30 Apr 19
Southeast Asian warrants, min 99.80% full plates, in-warehouse, \$/tonne	100-170*	0%	15 May 19
Southeast Asian warrants, min 99.80% briquettes, in-warehouse, \$/tonne	10-15*	0%	15 May 19
East Asian warrants, min 99.80% full plates, in-warehouse, \$/tonne	100-170*	0%	15 May 19
East Asian warrants, min 99.80% briquettes, in-warehouse, \$/tonne	10-15*	0%	15 May 19
North European warrants, min 99.80%, in-warehouse, \$/tonne	100-150*	0%	15 May 19
uncut cathodes premium indicator	200.0-220.0*	-2.33% ▼	14 May 19
4x4 cathodes premium indicator	450.0-490.0*	-1.05% ▼	14 May 19
briquettes premium indicator	190.0-215.0*	-4.71% ▼	14 May 19
Nickel 4x4 cathode premium, delivered consumer works US, US cents per pound	37-45*	0%	14 May 19
Nickel briquette premium, delivered consumer works US, US cents per pound	23-29*	0%	14 May 19
Tin			
Rotterdam spot premium, 99.9% low lead ingots, in-warehouse \$/tonne	475-525*	0%	14 May 19
Rotterdam spot premium 99.9% ingot, in-warehouse \$/tonne	410-450*	0%	14 May 19
South East Asian warrants, min 99.85% ingots, in-warehouse \$/tonne	15-30*	0%	15 May 19
Shanghai spot premium, 99.9% ingots, cif, \$/tonne	230-250*	0%	14 May 19
Shanghai spot premium, 99.9% low lead ingots, cif, \$/tonne	320-350*	0%	14 May 19
Taiwan spot premium, 99.9% ingots, cif, \$/tonne	200-220*	0%	14 May 19
Baltimore premium, 99.85% ASTM grade A ingots, in-warehouse \$/tonne	450-600*	0%	14 May 19
US midwest premium, 99.85% ASTM grade A ingots, delivered \$/tonne	515-640*	0%	14 May 19
Zinc			
North European warrants, min 99.995% SHG ingots, \$/tonne	20.0-30.0*	0%	15 May 19
MB EU: Special high grade, fca Rotterdam, \$/tonne	85.0-100.0*	-3.65% ▼	14 May 19
Malaysia fca, 99.995%, \$/tonne	120.0-140.0*	0%	14 May 19
Southeast Asia cif, 99.995%, \$/tonne	150.0-160.0*	0%	14 May 19
Singapore, zinc premium, 99.995% purity, fca \$/tonne	120.0-140.0*	0%	14 May 19
Shanghai, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne	120.0-130.0*	0%	14 May 19
Shanghai 99.995% purity, cif \$/tonne	110.0-120.0*	0%	14 May 19
Taiwan 99.995% purity SHG ingots, cif \$/tonne	150.0-160.0*	-6.06% ▼	14 May 19
India 99.995% purity, cif duty-unpaid \$/tonne	130.0-145.0*	0%	14 May 19
† week-on-week change			continued >



	Price	Change	Assessed
India 99.995% purity, cif duty-paid \$/tonne	235.0-250.0*	0%	14 May 19
Antwerp 99.995% purity, duty-paid fca \$/tonne	85.0-100.0*	-3.65% ▼	14 May 19
Italy 99.995% purity, duty-paid fca \$/tonne	135.0-145.0*	-3.45% ▼	14 May 19
Italy 99.995% purity, delivered duty-paid \$/tonne	185.0-190.0*	0%	14 May 19
US warrants 99.995% purity, in-warehouse \$/tonne	5.0-10.0*	0%	15 May 19
MB US: Special high grade, cents/lb	8.50-9.50*	0%	14 May 19

BASE METALS

	Price	Change [†]	Assessed
Alumina			
MB Chinese free market, metallurgical grade, delivered duty-paid, yuan/tonne	2,890.0-3,200.0*	7.6% ▲	16 May 19
Alumina Index fob Australia	360.66*	4.54% ▲	17 May 19
Alumina Index fob Brazil	5.40*		09 May 19
Alumina Index fob Brazil, inferred Brazil price \$ per dry metric ton	366.06*		17 May 19
Aluminium			
Shanghai bonded aluminium stocks, tonnes	5,500-6,500*	-7.69% ▼	01 May 19
Calcined petroleum coke, aluminium anode grade, fob US Gulf Coast, \$/tonne	320-325*	-3.01% ▼	02 May 19
Calcined petroleum coke, aluminium anode grade, fob China, \$/tonne	330-340*	-2.9% ▼	02 May 19
Aluminium 6063 extrusion conversion margin, exw Germany, \$/tonne	695-700*	0%	02 May 19
Aluminium 6063 extrusion conversion margin, exw US Midwest, cents/lb	65-75*	0%	02 May 19
Aluminium FRP 1050 sheet conversion margin, exw Germany, \$/tonne	660-665*	0%	02 May 19
Aluminium FRP 5052 sheet conversion margin, exw US cents/lb	82-86*	-1.18% ▼	02 May 19
Aluminium FRP 5000 sheet conversion margin, exw China, \$/tonne	640-650*	0%	02 May 19
Bauxite			
fob Kamsar, Guinea \$/tonne per dmtu	37*	0%	09 May 19
fob Trombetas, Brazil \$/tonne per dmtu	37*	0%	09 May 19
Copper & Brass			
Producer premium			
Aurubis European Grade A cathode ex-works \$/tonne	96.0	11.63% ▲	01 Oct 18
Codelco: Contract Grade A cathode (average)	98.0	11.36% ▲	26 Sep 18
South Africa: Palabora copper rod 7.90mm, Rand/tonne	105,182.970	-1.59% ▼	30 Apr 19
Blister copper 98-99% spot RC cif China \$ per tonne	160-170*	0%	30 Apr 19
Blister copper 98-99% annual benchmark RC cif China \$ per tonne	165-180*	0%	28 Feb 18
Copper concentrate Asia-Pacific Index RC import, US cents/lb (twice monthly on 15th and last day of month)	5.91-5.91*	-0.84% ▼	17 May 19
Copper concentrate Asia-Pacific Index TC import, \$/dmt (twice monthly on 15th and last day of month)	59.10-59.10*	-0.84% ▼	17 May 19
Shanghai bonded copper stocks, tonnes	572,000-576,000*	0.17% ▲	06 May 19

	Price	Change	Assessed
Nickel			
Nickel pig iron high grade NPI content 10-15% contract price delivered duty-paid China yuan per nickel unit price	955-970*	-0.52% ▼	14 May 19
Nickel pig iron high grade NPI content 10-15% spot price China yuan per nickel unit price	950-970*	-1.03% ▼	14 May 19
Shanghai bonded nickel stocks, tonnes	22,600-29,600*	-13.86% ▼	01 May 19
Nickel ore			
Laterite ore with 1.5% nickel content cif China, \$/tonne	29-30*	0%	14 May 19
Nickel ore 1.8% basis cif China, 15-20% Fe, water content: 30-35%, Si:Mg ratio less than 2, lot size 50,000 tonnes, \$/tonne	49-51*	0%	14 May 19
Nickel sulfate min 21%, max: 22.5%; cobalt 10ppm max, China ex-works, yuan/tonne	24,300-24,800*	-1.6% ▼	14 May 19
Lead			
Lead concentrate spot treatment charge (TC) high silver CIF China, \$/tonne	40-60*	0%	26 Apr 19
Lead concentrate spot treatment charge (TC) low silver CIF China, \$/tonne	15-35*	-23.08% ▼	26 Apr 19
Lead concentrate (TC) high silver, annual benchmark, \$/tonne	98*	0%	05 Apr 18
Lead concentrate (TC) low silver, annual benchmark, \$/tonne	99*	0%	15 Mar 18
Zinc			
UK: Special high grade, delivered monthly average price £/tonne	2,397*	1.4% ▲	01 May 19
Zinc concentrate spot treatment charge (TC) CIF Asia-Pacific \$/tonne	260-290*	-4.35% ▼	26 Apr 19
Zinc concentrate spot treatment charge (TC) delivered North China yuan/tonne	6,600-6,900*	0.75% ▲	26 Apr 19
Zinc concentrate spot treatment charge (TC) delivered South China yuan/tonne	6,400-6,600*	0.78% ▲	26 Apr 19
Shanghai bonded zinc stocks, tonnes	93,500-100,500*	11.49% ▲	01 May 19

† week-on-week change

continued >



PRECIOUS METALS			
	Price	Change [†]	Assessed
Iridium			
MB free market: min 99.9%, \$/troy oz in-warehouse	1,410-1,510*	0%	17 May 19
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	1,480	0%	17 May 19
Engelhard base price: \$/troy oz	1,485	0%	17 May 19
Palladium			
European free market: min 99.9%, \$/troy oz in-warehouse	1,319-1,340.5*	2.49% ▲	17 May 19
Engelhard base price: \$/troy oz	1,339	1.36% ▲	17 May 19
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	1,329	1.06% ▲	17 May 19
Platinum			
European free market: min 99.9%, \$/troy oz in-warehouse	823-842*	-2.8% ▼	17 May 19
Engelhard base price: \$/troy oz	834	-3.14% ▼	17 May 19
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	832	-3.48% ▼	17 May 19
Rhodium			
European free market: min 99.9%, \$/troy oz in-warehouse	2,785-2,935*	-1.38% ▼	17 May 19
Engelhard base price: \$/troy oz	2,900	-1.69% ▼	17 May 19
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	2,890	-1.53% ▼	17 May 19
Ruthenium			
European free market: min 99.9%, \$/troy oz in-warehouse	225-270*	0%	17 May 19
Engelhard base price: \$/troy oz	270	0%	17 May 19
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	267	0%	17 May 19
MINOR METALS			
	Price	Change [†]	Assessed
Antimony			
MB free market Regulus, min 99.65%, max Se 50 ppm, max 100 ppm Bi, \$/tonne in-warehouse Rotterdam	6,900-7,150*	-1.06% ▼	17 May 19
MMTA Standard Grade II, \$/tonne in-warehouse Rotterdam	6,800-7,000*	-1.43% ▼	17 May 19
MB Chinese free market MMTA Standard Grade II, delivered duty-paid yuan/tonne	40,000-41,500*	-4.12% ▼	15 May 19
Arsenic			
MB free market \$/lb	1.20-1.5*	0%	10 May 19
Bismuth			
MB free market \$/lb	3.30-3.5*	-2.86% ▼	17 May 19
MB China domestic, min 99.99%, yuan/tonne	41,000-44,000*	-3.95% ▼	17 May 19
Cadmium			
MB free market min 99.95% cents/lb	125-133*	0%	17 May 19
MB free market min 99.99% cents/lb	128-141*	0%	17 May 19
Chromium			
MB free market alumino-thermic min 99% \$/tonne	8,100-8,400*	-0.6% ▼	17 May 19
Cobalt			
MB free market alloy-grade \$/lb	17-17.70*	-0.86% ▼	17 May 19
MB free market standard-grade \$/lb	16.25-16.80*	-0.75% ▼	17 May 19
MB high-grade, weighted average of all confirmed international trades, \$/lb	17.06*	-0.58% ▼	17 May 19
MB low-grade, weighted average of all confirmed international trades, \$/lb	16.64*	0.48% ▲	15 May 19
MB China domestic, min 99.8% yuan/tonne	248,000-270,000*	-2.26% ▼	17 May 19
Cobalt hydroxide index min 30% Co, cif China, \$/lb	10.40*	6.01% ▲	30 Apr 19

	Price	Change	Assessed
Cobalt hydroxide payable indicator, min 30% Co, cif China, % payable of Fastmarkets' standard-grade cobalt price (low-end)	67-69*	0%	15 May 19
Cobalt tetroxide min 72.6% Co delivered China yuan/tonne	180,000-190,000*	-2.63% ▼	17 May 19
Cobalt sulfate, Co 20.5% min, China ex-works, yuan/tonne	46,000-48,000*	-4.08% ▼	17 May 19
Cobalt sulfate, Co 20.5% min, adjustment to low-grade cobalt low-end price, exw China, \$/lb	-3.23--2.66*	35.09% ▲	17 May 19
Gallium			
MB free market \$/kg	153-160*	-3.1% ▼	17 May 19
MB China domestic, min 99.99%, yuan/kg	950-980*	-0.52% ▼	15 May 19
Germanium			
Germanium dioxide MB free market \$/kg	950-1,150*	0%	17 May 19
Germanium metal \$/kg Rotterdam	1,250-1,350*	-5.8% ▼	17 May 19
Germanium metal MB China domestic, min 99.999%, yuan/kg	7,500-8,100*	0%	15 May 19
Hafnium			
Hafnium 1% Zr max, in-warehouse global locations, \$/kg	900-1,050*	0%	10 May 19
Indium			
MB free market \$/kg	170-200*	-1.33% ▼	17 May 19
MB China domestic, min 99.99% yuan/kg	1,120-1,160*	-1.3% ▼	15 May 19
Magnesium			
European free market \$ per tonne	2,600-2,700*	0%	17 May 19
China free market min 99.8% Mg, fob China main ports, \$ per tonne	2,500-2,550*	-1.17% ▼	17 May 19
MB Chinese free market min 99% Mg, ex-works yuan/tonne	16,600-16,700*	0%	17 May 19
Manganese flake			
MB free market 99.7%, \$/tonne	2,010-2,100*	-1.2% ▼	17 May 19
Mercury			
MB free market \$ per flask	2,400-2,700*	0%	10 May 19
Rhenium in-warehouse Rotterdam duty paid			
Metal pellets, min 99.9% \$/lb	650-715*	0%	10 May 19
APR catalytic grade \$/kg Re	1,300-1,500*	-2.78% ▼	10 May 19
Selenium			
MB free market \$/lb	9-11*	0%	17 May 19
MB China domestic, min 99.9%, yuan/kg	140-180*	-3.03% ▼	17 May 19
Silicon			
Grade 441, min 99% Si in-warehouse Rotterdam, €/tonne	1,820-1,920*	0%	17 May 19
Grade 553, min 98.5% Si in-warehouse Rotterdam, €/tonne	1,700-1,800*	-1.55% ▼	17 May 19
US free market cents/lb	108-112*	-2.22% ▼	10 May 19
Export from mainland China min 98.5%, \$/tonne fob	1,430-1,500*	-1.51% ▼	17 May 19
Tellurium			
MB free market 99.9-99.99%, \$/kg	51-65*	0%	17 May 19
MB China domestic, min 99.99%, yuan/kg	390-420*	-1.22% ▼	17 May 19
Titanium			
MB free market ferro-titanium 70% (max 4.5% Al) \$/kg Ti d/d Europe	5.20-5.5*	0%	15 May 19
Titanium ores \$/tonne			
Rutile conc min 95% TiO2 bagged, fob/Aus	1,150-1,350	0%	16 May 19
Rutile bulk conc min 95% TiO2 fob/Aus	1,100-1,200	9.52% ▲	16 May 19
Ilmenite concentrate, 47-49% TiO2 cif China	180-190	5.71% ▲	16 May 19
† week-on-week change			continued >



NOBLE ALLOYS & ORES			
	Price	Change [†]	Assessed
Molybdenum molybdc oxide			
Europe drummed molybdc oxide \$/lb Mo	12.15-12.20*	-1.22% ▼	17 May 19
US canned molybdc oxide \$/lb Mo	12.30-12.5*	0%	16 May 19
Ferro-molybdenum			
Basis 65% min, in-warehouse Rotterdam \$/kg Mo	28-28.30*	-2.76% ▼	17 May 19
US free market 65-70% Mo \$/lb in-warehouse Pittsburgh	13.10-13.40*	-0.38% ▼	16 May 19
Tungsten			
European free market APT \$/mtu	270-280*	0%	17 May 19
Export from mainland China APT Chinese No1 grade, min 88.5% W03, S/mtu fob	262-274*	0%	15 May 19
MB Chinese free market concentrate 65% W03 in-warehouse China yuan/tonne	94,000-96,000*	0%	15 May 19
Ferro-tungsten			
Basis 75% W min \$/kg W in-warehouse Rotterdam duty-unpaid	32.5-33.5*	-2.22% ▼	17 May 19
Vanadium			
Ferro-vanadium basis 78% min, fob, China \$/kg V	35-39*	-18.68% ▼	16 May 19
Ferro-vanadium basis 78% min, free delivery duty paid consumer plant, 1st grade, Western Europe \$/kg V	35-36*	-5.52% ▼	17 May 19
US free market ferro-vanadium \$/lb in-warehouse Pittsburgh	21-22*	-4.44% ▼	16 May 19
Vanadium pentoxide 98% min, fob, China \$/lb V205	7.90-8.30*	-16.49% ▼	16 May 19
Vanadium pentoxide min 98%, in-warehouse Rotterdam \$/lb V205	7.20-7.5*	-13.02% ▼	17 May 19
BULK ALLOYS			
	Price	Change [†]	Assessed
Ferro-chrome \$/lb Cr			
China import charge chrome 50% Cr index, cif Shanghai, duty-unpaid	0.80*	-2.44% ▼	17 May 19
Ferro-Chrome European Benchmark Indicator, Lumpy Cr charge basis 52% (and high carbon), \$ per lb	1.09*	-1.8% ▼	17 May 19
Spot 6-8% C basis 50% Cr delivered duty paid China yuan/tonne	6,700-6,900*	-1.45% ▼	17 May 19
Contract 6-8% C basis 50% Cr delivered duty paid China yuan/tonne	6,900-7,100*	0%	17 May 19
Lumpy Cr charge basis 52% Cr (and high carbon) quarterly	1.2*	7.14% ▲	01 Apr 19
High carbon 6-8.5% C basis 60-70% Cr max 1.5% Si, major European destinations	0.89-0.96*	-3.14% ▼	17 May 19
0.10% C average 65-70% Cr	1.85-1.95*	-2.56% ▼	17 May 19
European low carbon in-warehouse 0.06% C max - 65% Cr	1.90-2*	-2.99% ▼	17 May 19
Low phosphorous Cr min 65% C max 7% Si max 1% p max 0.015% Ti max 0.05%	0.98-1.06*	-1.92% ▼	17 May 19
High-carbon ferro-chrome 57-65% Cr, cif duty-unpaid Japan, \$/lb	0.82-0.85*	0%	16 May 19
High carbon ferro-chrome 57-65% Cr, cif duty-unpaid South Korea, \$/lb	0.81-0.83*	0%	16 May 19
US free market low carbon duty-paid fob Pittsburgh			
US free market in-warehouse Pittsburgh 6-8% C basis 60-65% Cr max 2% Si	1.080-1.180*	0%	16 May 19
0.05% C - 65% min Cr	2.12-2.18*	-1.15% ▼	16 May 19
0.10% C - 62% min Cr	1.94-1.96*	0%	16 May 19
0.15% C - 60% min Cr	1.87-1.90*	0%	16 May 19

	Price	Change	Assessed
Chrome ore \$/tonne			
<i>Chrome ore cif main Chinese ports</i>			
South African UG2 chrome ore concs, index basis 42%	163*	-2.4% ▼	17 May 19
Turkish lumpy 40-42% cfr main Chinese ports	205-215*	-6.67% ▼	17 May 19
<i>Chrome Ore inventories at the main ports of Tianjin, Qinzhou, Lianyungang and Shanghai, million tonnes</i>			
	2.47-2.54*	6.82% ▲	13 May 19
Ferro-manganese			
basis 78% Mn (scale pro rata) standard 7.5% C €/tonne	1,050-1,100*	0%	17 May 19
US free market 78% Mn standard 7.5% C \$/long ton in-warehouse Pittsburgh	1,350-1,400*	0%	16 May 19
US free market medium carbon duty-paid fob Pittsburgh, 80% min Mn 1.5% max C \$/lb	1.13-1.15*	0%	16 May 19
MB Chinese free market min 65% Mn max 7.0% C in-warehouse China yuan/tonne	6,600-6,700*	0%	17 May 19
Manganese ore			
44% Mn index, cif Tianjin \$/dmu of metal contained	6.18*	-2.37% ▼	17 May 19
37% Mn index, fob Port Elizabeth \$/dmu of metal contained	5.05*	-2.13% ▼	17 May 19
37% Mn index, cif Tianjin \$/dmu of metal contained	5.75*	-1.2% ▼	17 May 19
base 37% Mn port index, range 35-39%, fot Tianjin yuan/dmtu	45.70*	-0.22% ▼	17 May 19
base 44% Mn port index, range 42-48%, fot Tianjin yuan/dmtu	49.40*	-2.37% ▼	17 May 19
Inventories at the main ports of Tianjin and Qinzhou, million tonnes	3.80-3.90*	15.27% ▲	13 May 19
Ferro-nickel			
China premium, 26-32% nickel contained, cif China, \$/tonne	-200--100*	-18.92% ▼	29 Apr 19
Ferro-silicon			
Lumpy basis 75% Si (scale pro rata), major European destinations, €/tonne	1,000-1,050*	0%	17 May 19
US free market \$/lb in-warehouse Pittsburgh lumpy basis 75% Si - imported	0.88-0.93*	0%	16 May 19
Export from mainland China, min 75% Si, 7.5% C, \$/tonne, fob	1,130-1,180*	-1.7% ▼	17 May 19
MB Chinese free market min 75% Si, in-warehouse China, yuan/tonne	5,900-6,100*	-1.64% ▼	17 May 19
Silico-manganese			
Lumpy basis 65-75% Mn basis 15-19% Si (scale pro rata), major European destinations, €/tonne	970-1,020*	0%	17 May 19
US free market \$/lb in-warehouse Pittsburgh	0.64-0.65*	0.78% ▲	16 May 19
MB Chinese free market min 65% Mn max 17% Si in-warehouse duty-paid China yuan/tonne	7,000-7,100*	0%	17 May 19
65% min Mn 16% min Si \$/tonne fob India	1,030-1,050*	-0.95% ▼	17 May 19

† week-on-week change

continued >



CARBON STEEL - EUROPE			
	Price	Change [†]	Assessed
Northern Europe imports			
<i>Fastmarkets MB's assessment of cfr prices for imported, non-EU origin, commercial-quality carbon steel, € per tonne cfr main EU port</i>			
Rebar	465-495*	0%	15 May 19
Wire rod (mesh quality)	500-510*	0%	15 May 19
Plate (8-40mm)	550-560*	0%	15 May 19
Hot rolled coil	465-470*	0%	15 May 19
Cold rolled coil	560-570*	0%	15 May 19
Hot-dip galvanized coil	590-600*	0%	15 May 19
Southern Europe imports			
<i>Fastmarkets MB's assessment of cfr prices for imported, non-EU origin, commercial-quality carbon steel, € per tonne cfr main EU port</i>			
Rebar	465-495*	0%	15 May 19
Wire rod (mesh quality)	500-510*	0%	15 May 19
Plate (8-40mm)	510-520*	-1.9% ▼	15 May 19
Hot rolled coil	460-465*	0%	15 May 19
Cold rolled coil	540-550*	0%	15 May 19
Hot-dip galvanized coil	590-600*	0%	15 May 19
Southern Europe exports			
<i>Fastmarkets MB's assessment of Southern Europe mills' prices for export outside Southern Europe of commercial-quality carbon steel, € per tonne fob main Southern European port</i>			
Rebar	465-480*	-1.05% ▼	15 May 19
Wire rod (mesh quality)	470-485*	-2.05% ▼	15 May 19
Northern Europe domestic			
<i>Fastmarkets MB's assessment of prices within the EU (excluding the UK) for commercial-quality carbon steel of EU origin, € per tonne delivered basis point</i>			
Rebar	525-545*	-0.47% ▼	15 May 19
Wire rod (mesh quality)	515-535*	-2.33% ▼	15 May 19
Sections (medium)	600-630*	-0.81% ▼	15 May 19
Beams	590-620*	0%	15 May 19
Southern Europe domestic			
<i>Fastmarkets MB's assessment of prices within the EU (excluding the UK) for commercial-quality carbon steel of EU origin, € per tonne delivered basis point</i>			
Rebar	500-510*	0%	15 May 19
Wire rod (mesh quality)	515-535*	-2.33% ▼	15 May 19
Sections (medium)	610-635*	0%	15 May 19
Beams	615-625*	0%	15 May 19
Central Europe domestic € per tonne ex-works			
Hot rolled coil	470-480*	0%	15 May 19
Poland domestic zloty per tonne ex-works			
Rebar	2,160-2,240*	-0.23% ▼	17 May 19
Northern Europe € per tonne ex-works			
Plate (8-40mm)	580-590*	0%	15 May 19
Hot rolled coil	480-490*	-2.02% ▼	15 May 19
Cold rolled coil	570-580*	-2.54% ▼	15 May 19
Hot-dip galvanized coil	570-590*	-1.69% ▼	15 May 19
Southern Europe € per tonne ex-works			
Plate (8-40mm)	520-540*	-0.93% ▼	15 May 19
Hot rolled coil	440-460*	-1.64% ▼	15 May 19
Cold rolled coil	530-550*	0%	15 May 19
Hot-dip galvanized coil	530-550*	0%	15 May 19

CARBON STEEL - CIS			
	Price	Change [†]	Assessed
CIS exports (Black Sea)			
<i>Fastmarkets MB's assessment of CIS mills' prices for export outside the CIS of commercial-quality carbon steel, \$ per tonne fob stowed main Black Sea port</i>			
Billet index	418*	-0.48% ▼	17 May 19
Slab	450-460*	-4.21% ▼	13 May 19
Rebar	460-460*	-1.6% ▼	13 May 19
Wire rod (mesh)	495-510*	-0.5% ▼	13 May 19
Heavy plate (10-50mm)	560-585*	-2.55% ▼	13 May 19
Hot rolled coil	460-480*	-2.59% ▼	13 May 19
Cold rolled coil	535-545*	-1.64% ▼	13 May 19
Russia domestic			
<i>Fastmarkets MB's assessment of prices within Russia for commercial-quality carbon steel, rubles per tonne, carriage paid to (cpt) inc VAT</i>			
Rebar	39,000-39,200*	0%	13 May 19
Hot rolled sheet	43,000-44,500*	0%	13 May 19
Cold rolled sheet	49,300-51,000*	0%	13 May 19
Plate	43,500-45,000*	0.57% ▲	13 May 19
CARBON STEEL - MIDDLE EAST			
	Price	Change [†]	Assessed
Turkish exports			
<i>Fastmarkets MB's assessment of Turkish mills' prices for export of commercial-quality carbon steel, \$ per tonne fob main Turkish port</i>			
Billet	420-425*	-1.17% ▼	16 May 19
Rebar	450-460*	-2.15% ▼	16 May 19
Wire rod (mesh quality)	500-505*	0%	16 May 19
Merchant bars	550-555*	0%	16 May 19
Structural pipe	570-590*	0%	08 May 19
Hot rolled coil	500-510*	0%	17 May 19
Hot dip galvanized	645-655*	0%	17 May 19
Turkish domestic			
<i>Fastmarkets MB's assessment of prices within Turkey for commercial-quality carbon steel of Turkish origin, \$ per tonne ex-works</i>			
Billet	430-440*	-1.69% ▼	16 May 19
Hot rolled coil	505-520*	1.49% ▲	17 May 19
Cold rolled coil	600-610*	1.68% ▲	17 May 19
Hot dip galvanized	650-670*	1.54% ▲	17 May 19
Prepainted galvanized	745-760*	0.33% ▲	17 May 19
<i>Fastmarkets MB's assessment of prices within Turkey for commercial-quality carbon steel of Turkish origin, TRY per tonne ex-works 18% VAT included</i>			
Rebar	3,250-3,350*	-2.22% ▼	16 May 19
Wire rod (mesh quality)	3,500-3,660*	-1.92% ▼	16 May 19
Turkish imports			
<i>Fastmarkets MB's assessment of prices for imported commercial-quality carbon steel, \$ per tonne cfr main Turkish port</i>			
Billet	420-430*	-1.16% ▼	16 May 19
Hot rolled coil	480-505*	1.03% ▲	17 May 19
Cold rolled coil	550-560*	0%	17 May 19
UAE imports			
<i>Fastmarkets MB's assessment of prices for imported commercial-quality carbon steel, \$ per tonne cfr Jebel Ali</i>			
Billet	450-480*	0%	14 May 19
Rebar	520-525*	0.29% ▲	14 May 19
Hot rolled coil	545-555*	-0.9% ▼	14 May 19
Cold rolled coil	615-620*	-1.2% ▼	14 May 19
Hot dip galvanized coil	700-760*	-0.68% ▼	14 May 19
Saudi Arabia imports			
<i>Fastmarkets MB's assessment of prices for imported commercial-quality carbon steel, \$ per tonne cfr</i>			
Hot rolled coil	540-550*	-1.8% ▼	14 May 19

† week-on-week change

continued >



	Price	Change	Assessed
UAE domestic			
<i>Fastmarkets MB's assessment of prices within UAE for commercial-quality carbon steel of UAE origin, dirhams per tonne ex-works</i>			
Rebar	2,000-2,007*	0%	14 May 19
Iran exports			
<i>Fastmarkets MB's assessment of prices quoted by Iranian suppliers for commercial-quality carbon steel to overseas buyers, \$ per tonne fob Iranian ports</i>			
Billet	380-385*	0%	15 May 19
Slab	385-390*	-0.64% ▼	15 May 19
Egyptian domestic			
<i>Fastmarkets MB's assessment of prices within Egypt for commercial-quality carbon steel of Egyptian origin, EE per tonne ex-works</i>			
Rebar	11,580-11,980*	-0.08% ▼	16 May 19
Egyptian import			
<i>Fastmarkets MB's assessment of prices for imported commercial-quality carbon steel, \$ per tonne cfr main port</i>			
Billet	445-445*	0.56% ▲	16 May 19
CARBON STEEL - LATIN AMERICA			
	Price	Change†	Assessed
Latin American exports			
<i>Fastmarkets MB's assessment of Latin American mills' prices for export outside Latin America of commercial-quality carbon steel, \$ per tonne fob stowed main Latin American port</i>			
Billet	440-450*	0%	17 May 19
Slab, Brazil	510-520*	-2.83% ▼	17 May 19
Wire rod mesh quality	560-570*	0%	17 May 19
Heavy plate over 10mm	600-610*	0%	17 May 19
Hot rolled coil (dry)	540-545*	0%	17 May 19
Cold rolled coil	590-600*	0%	17 May 19
South America imports			
<i>Fastmarkets MB's assessment of cfr prices for imported, commercial-quality carbon steel, \$ per tonne cfr main ports</i>			
Plate	580-590*	0%	17 May 19
Hot rolled coil	535-550*	-1.36% ▼	17 May 19
Cold rolled coil	600-615*	-1.22% ▼	17 May 19
Galvanized coil	645-660*	-1.88% ▼	17 May 19
Argentina domestic \$ per tonne ex-works			
<i>Fastmarkets MB's assessment of prices within Argentina for commercial-quality carbon steel, \$ per tonne</i>			
Hot rolled coil	720-725*	-3.99% ▼	10 May 19
Cold rolled coil	815-820*	-4.39% ▼	10 May 19
Galvanized coil	1,045-1,125*	-3.98% ▼	10 May 19
Rebar	850-860*	0%	10 May 19
Brazil domestic			
<i>Fastmarkets MB's assessment of prices within Brazil for commercial-quality carbon steel, Reais per tonne ex-works</i>			
Hot rolled coil	2,560-2,610*	0%	03 May 19
Cold rolled coil	2,800-2,840*	0.89% ▲	03 May 19
Hot dip galvanized coil	3,295-3,390*	0%	03 May 19
<i>Fastmarkets MB's assessment of prices within Brazil for commercial-quality carbon steel, Reais per tonne delivered</i>			
Rebar	2,600-2,720*	2.9% ▲	03 May 19
CARBON STEEL - NAFTA			
	Price	Change†	Assessed
US imports			
<i>Fastmarkets MB's assessment of prices for imported, non-Nafta origin, commercial-quality carbon steel, \$ per short ton cfr port Houston</i>			
Rebar	670-690*	0%	15 May 19
Merchant bars	730-740*	-2% ▼	26 Apr 19

	Price	Change	Assessed
Wire rod (low carbon)	680-700*	-8.37% ▼	16 Apr 19
Medium sections	780-790*	-1.88% ▼	25 Apr 19
Medium plate	780-840*	-2.41% ▼	15 May 19
Hot rolled coil (commodity)	580-620*	-6.25% ▼	15 May 19
Cold rolled coil	730-780*	-1.95% ▼	15 May 19
Hot dipped galvanized 0.012-0.015, G30	980-1,000*	-1% ▼	15 May 19
ERW linepipe (X42)	1,100-1,140*	-3.86% ▼	30 Apr 19
OCTG API5CT - casing J55	1,015-1,085*	-1.41% ▼	30 Apr 19
US domestic			
<i>Fastmarket AMM's assessment of prices within the USA for commercial-quality carbon steel of US or Canadian origin, \$ per short ton, delivery terms as indicated</i>			
Rebar (fob mill)	680-700*	-0.72% ▼	15 May 19
Plate (fob mill)	890-890*	-1.11% ▼	10 May 19
Hot rolled sheet Midwest index (fob mill)	630-630*	-1.5% ▼	16 May 19
Cold rolled sheet (fob mill)	770-770*	-3.75% ▼	16 May 19
Hot-dip galvanized (base) Midwest (fob mill)	780-780*	-3.7% ▼	16 May 19
OCTG API5CT - casing J55 (fob mill)	1,150-1,200*	-3.49% ▼	30 Apr 19
<i>Fastmarket AMM's assessment of prices within the USA for commercial-quality carbon steel of US or Canadian origin, \$ per hundredweight, delivery terms as indicated</i>			
Merchant bar 3 x 3 1/4 angle (fob mill)	37.5-37.5*	0%	26 Apr 19
CARBON STEEL - ASIA			
	Price	Change†	Assessed
China exports			
<i>Fastmarkets MB's assessment of Chinese mills prices for export of commercial-quality carbon steel, \$ per tonne fob main China port</i>			
Rebar index	527-527*	-1.91% ▼	17 May 19
Wire rod (mesh quality)	530-535*	-2.74% ▼	14 May 19
Heavy plate	535-542*	-0.74% ▼	14 May 19
Hot rolled coil index	521-521*	-0.6% ▼	17 May 19
Cold rolled coil	555-565*	-1.32% ▼	14 May 19
Galvanized coil 1mm	610-620*	-0.81% ▼	14 May 19
Eastern China domestic			
<i>Fastmarkets MB's assessment of prices in eastern China for commercial-quality carbon steel of Chinese origin, yuan per tonne ex-warehouse</i>			
Rebar	4,030-4,060*	-0.61% ▼	17 May 19
Wire rod (mesh)	4,090-4,110*	0.37% ▲	17 May 19
Sections	3,810-3,940*	-0.26% ▼	17 May 19
Plate	3,990-4,090*	-0.49% ▼	17 May 19
Hot rolled coil (min 2mm)	4,000-4,020*	-0.74% ▼	17 May 19
Cold rolled coil (0.5 - 2 mm)	4,200-4,270*	-1.4% ▼	17 May 19
Hot-dip galvanized coil	4,690-4,700*	-0.84% ▼	17 May 19
Northern China domestic			
<i>Fastmarkets MB's assessment of prices in northern China for commercial-quality carbon steel of Chinese origin (Tangshan), yuan per tonne ex-works</i>			
Billet	3,560-3,560*	-0.56% ▼	17 May 19
<i>Fastmarkets MB's assessment of prices in northern China for commercial-quality carbon steel of Chinese origin, yuan per tonne ex-warehouse</i>			
Hot rolled coil	3,870-3,890*	-0.77% ▼	17 May 19
Rebar	3,910-4,000*	-0.5% ▼	17 May 19
Southern China domestic			
<i>Fastmarkets MB's assessment of prices in southern China for commercial-quality carbon steel of Chinese origin, yuan per tonne ex-warehouse</i>			
Rebar	4,030-4,060*	0.62% ▲	17 May 19
Wire rod (mesh)	4,200-4,230*	0%	17 May 19
Sections	4,090-4,110*	0.61% ▲	17 May 19
Plate	4,240-4,290*	-0.23% ▼	17 May 19
Hot rolled coil (min 2mm)	3,960-4,000*	-1.12% ▼	17 May 19
Cold rolled coil (0.5 - 2 mm)	4,350-4,370*	-1.36% ▼	17 May 19
Hot-dip galvanized coil	4,850-4,890*	-0.71% ▼	17 May 19
† week-on-week change			continued >



	Price	Change	Assessed
Southeast Asia imports			
<i>Fastmarkets MB's assessment of prices in Southeast Asia for commercial-quality carbon steel \$ per tonne cfr</i>			
Billet	450-455*	-1.09% ▼	17 May 19
Slab (Asia/East Asia)	460-470*	-2.11% ▼	13 May 19
Hot rolled coil (Vietnam)	530-540*	0%	13 May 19
Rebar (Singapore)	490-490*	-2.97% ▼	13 May 19
Wire rod (low carbon)	543-560*	0%	13 May 19
Indian exports			
<i>Fastmarkets MB's assessment of Indian mills' prices for export of commercial-quality carbon steel, \$ per tonne fob main India port</i>			
Billet	420-430*	-7.1% ▼	17 May 19
Plate (12-40mm)	510-525*	-3.72% ▼	17 May 19
Hot rolled coil (commodity)	515-520*	-0.96% ▼	17 May 19
Hot-dip galvanized coil	705-710*	0%	17 May 19
Indian imports			
<i>Fastmarkets MB's assessment of prices for imported, non-EU origin, commercial-quality carbon steel, \$ per tonne cfr main India port</i>			
Plate (20-60mm)	560-565*	-3.43% ▼	17 May 19
Hot rolled coil (commodity)	545-550*	-1.79% ▼	17 May 19
Hot rolled coil (CR grade)	565-570*	0%	17 May 19
Cold rolled coil	625-630*	0%	17 May 19
Indian domestic			
<i>Fastmarkets MB's assessment of prices within India for commercial-quality carbon steel, rupees per tonne ex-works</i>			
Billet	31,000-31,200*	-0.64% ▼	17 May 19
Heavy plate	40,500-41,000*	0%	17 May 19
Hot rolled coil	40,000-40,500*	-1.23% ▼	17 May 19
Cold rolled coil	46,000-46,500*	-1.07% ▼	17 May 19
DRI	19,300-19,500*	-1.02% ▼	17 May 19
Hot-dip galvanized coil	49,500-50,000*	-1% ▼	17 May 19
Rebar	34,700-34,900*	-0.85% ▼	17 May 19
STAINLESS STEEL			
	Price	Change†	Assessed
Asia import			
\$/tonne cif East Asian port			
Grade 304 2mm CR coil 2B	1,930-1,990*	-0.76% ▼	15 May 19
Grade 304 hot rolled coil	1,830-1,900*	-0.8% ▼	15 May 19
China domestic			
yuan/tonne, in-warehouse			
Grade 304 2mm CR coil	14,000-14,100*	-1.4% ▼	15 May 19
Grade 430 2mm CR coil	8,100-8,150*	-1.22% ▼	15 May 19
EU domestic			
2mm 304 cold rolled stainless sheet, €/tonne			
N.Europe Base price	925-985*	0%	17 May 19
Alloy surcharge	1,410-1,450*	0%	17 May 19
N.Europe transaction	2,240-2,300*	0%	17 May 19
2mm 316 cold rolled stainless sheet, €/tonne			
Base price	1,270-1,320*	0%	17 May 19
Alloy surcharge	2,162-2,218*	0%	17 May 19
304 stainless steel bright bar, €/tonne			
Base price	1,000-1,060*	0%	17 May 19
Alloy surcharge	1,749-1,789*	0%	17 May 19

	Price	Change	Assessed
US domestic			
<i>Fastmarkets AMM's appraisal of prices within the USA for commercial-quality stainless steel of US or Canadian origin, \$ per hundredweight, fob</i>			
Grade 304 coiled plate	114-114*	-0.87% ▼	10 May 19
Grade 316 coiled plate	156-156*	0%	10 May 19
Grade 304 cold rolled sheet	128-128*	0%	10 May 19
Grade 316L cold rolled sheet	168-168*	0%	10 May 19
Raw materials index			
EU domestic stainless steel \$ per tonne			
304 Europe raw materials index	1,227.10*	-4.11% ▼	13 May 19
IRON ORE			
	Price	Change†	Assessed
65% Fe Brazilian Index CFR Qingdao (MBIOI-65-BZ-Index) \$/tonne	115.60*	3.68% ▲	17 May 19
Lump premium CFR Qingdao (MBIOI-LP Index) cents per dmtu	33*	0%	17 May 19
Iron ore index (62% Fe)	101.71*	4.6% ▲	17 May 19
Iron ore index (62% LA)	104.48*	3.96% ▲	17 May 19
58% Fe Iron Ore Index (MBIOI-58) CFR Qingdao on a 58% fe basis Daily Price \$/dry metric tonne	85.12*	2.43% ▲	17 May 19
High grade Premium (MBIOI-58P) CFR Qingdao on a 58% basis low alumina, low phosphorous Daily Price \$/dry metric tonne	7*	100% ▲	17 May 19
Iron Ore Implied 58% Fe high specification price	92.12*	6.37% ▲	17 May 19
Iron Ore product differential - PBF delivered Qingdao, China CFR \$/tonne	-1.81*	37.12% ▲	17 May 19
Iron ore 62% Fe Pilbara Blend Fines (MBIOI-PBF) \$/tonne	99.90*	4.15% ▲	17 May 19
Iron Ore 62% Fe China port price index	716*	4.68% ▲	17 May 19
Implied 62% Fe China Port Price \$ per tonne	95.63*	3.98% ▲	17 May 19
Iron ore pellet index cfr Qingdao (65% Fe)	129.93*	1.05% ▲	17 May 19
Iron ore concentrate index cfr Qingdao (66% Fe)	109.99*	2.66% ▲	17 May 19
Iron ore implied pellet premium CFR Qingdao US\$/tonne	32.27*	-1.74% ▼	17 May 19
Iron ore implied pellet premium over the Fastmarkets MB 65% Fe Brazilian iron ore index cfr Qingdao US\$/tonne	17.53*	-4.52% ▼	17 May 19
Iron ore DR-grade pellet premium index Middle East reference, \$/dmt	67*	-16.77% ▼	30 Apr 19
Metal Bulletin Indicator for US\$/% Al MBIOI Al-VIU cfr Qingdao	-4.81*	10.83% ▲	13 May 19
Metal Bulletin Indicator for US\$/% Fe in iron ore fines cfr Qingdao	1.53*	0.66% ▲	13 May 19
Iron Ore Fines 65% Fe, % Fe value in use cfr Qingdao \$/dry metric tonne	2.01*	-1.47% ▼	13 May 19
Metal Bulletin Indicator for US\$/% Si MBIOI Si-VIU cfr Qingdao	-1.30*	-10.34% ▼	13 May 19
Iron Ore Fines 62% Fe, 0.01% Phosphorous value in use MBIOI Phos-VIU cfr Qingdao US cent per dry metric tonne	-1.35*	0%	13 May 19
† week-on-week change			

continued >



COKING COAL			
\$ per metric tonne			
	Price	Change†	Assessed
Premium hard coking coal index cfr China	211.33*	0.73% ▲	17 May 19
Hard coking coal index cfr China	191.96*	-1.3% ▼	17 May 19
Premium hard coking coal index fob Australia	212.18*	0.4% ▲	17 May 19
Hard coking coal index fob Australia	179.09*	-0.73% ▼	17 May 19
China hard coking coal Shanxi spot market domestic delivered yuan/tonne	1,430-1,800*	2.22% ▲	17 May 19
65% CSR coke \$/tonne fob China	320-330*	0%	14 May 19
Low Vol PCI Index \$ per dry metric tonne cfr Jingtang	136.36*	0%	17 May 19
Low Vol PCI Index \$ per dry metric tonne fob DBCT	129.18*	0%	17 May 19
FERROUS SCRAP			
	Price	Change†	Assessed
UK ferrous scrap domestic			
<i>The following is Fastmarket MB's evaluation of UK prices for processed scrap delivered to consumers within the month listed. Prices may vary according to region and destination, and should be read in conjunction with editorial comment on the Ferrous scrap pages.</i>			
£/tonne			
Cut grades			
OA plate and structural	145-170*	-8.7% ▼	15 May 19
1&2 old steel	125-150*	-9.84% ▼	15 May 19
12A/C new production heavy and shovellable steel	170-195*	-7.59% ▼	15 May 19
12D new production heavy and shovellable steel	175-200*	-7.41% ▼	15 May 19
Bales and cuttings			
4A new steel bales	175-200*	-7.41% ▼	15 May 19
4C new steel bales	165-190*	-7.79% ▼	15 May 19
8A new loose light cuttings	160-190*	-7.89% ▼	15 May 19
8B new loose light cuttings	145-175*	-8.57% ▼	15 May 19
Turnings			
UK inter-merchant 7B heavy steel turnings	105-125*	-11.54% ▼	15 May 19
Cast iron			
9A/10 heavy and light cast iron	125-150*	-9.84% ▼	15 May 19
9B/C cylinder block scrap	145-170*	-8.7% ▼	15 May 19
11A cast iron borings	70-90*	-15.79% ▼	15 May 19
<i>Prices relate to new UK scrap specifications</i>			
<i>Please see metalbulletin.com for full explanation of price changes</i>			
UK intermerchant weekly price			
£/tonne			
5C loose old light	75-95*	-5.56% ▼	17 May 19
UK ferrous scrap export			
<i>Fastmarkets MB's assessment \$ fob main UK port</i>			
HMS 1&2 (80:20 mix)	259-271*	-0.75% ▼	17 May 19
Shredded	264-276*	-0.74% ▼	17 May 19
Indian imports			
<i>Fastmarkets MB's assessment \$/tonne cfr Nhava Sheva</i>			
MB index cfr India shredded	319.79*	-1.61% ▼	17 May 19
HMS 1&2 (80:20 mix)	290-315*	-1.63% ▼	17 May 19
Alloy steel scrap domestic			
<i>UK wholesale merchants' stainless (£/tonne)</i>			
18/8 solids	800-850*	-5.71% ▼	17 May 19
18/8 turnings	615-725*	-10.07% ▼	17 May 19
316 solids	1,240-1,280*	-1.95% ▼	17 May 19
316 turnings	1,055-1,090*	-1.83% ▼	17 May 19
12-13% Cr solids	150-210*	-7.69% ▼	17 May 19
16-17% Cr solids	210-240*	-4.26% ▼	17 May 19

	Price	Change	Assessed
Cif Europe stainless € per tonne			
18/8 solids	990-1,030*	-0.98% ▼	17 May 19
18/8 turnings	890-925*	-1.09% ▼	17 May 19
316 solids	1,530-1,550*	-0.65% ▼	17 May 19
316 turnings	1,375-1,395*	-0.72% ▼	17 May 19
Rotterdam export			
<i>Fastmarkets MB's assessment \$/tonne fob Rotterdam</i>			
MB index fob Rotterdam HMS 1&2 (80:20)	263.22*	-3.55% ▼	17 May 19
HMS 1&2 (75:25 mix)	264-266*	0.19% ▲	17 May 19
Shredded	274-276*	0.18% ▲	17 May 19
Turkish import			
<i>Fastmarkets MB's assessment \$/tonne cfr main Turkish ports</i>			
MB index cfr Turkey HMS 1&2 (80:20) (North Europe material)	285.86*	-1.37% ▼	17 May 19
MB index cfr Turkey HMS 1&2 (80:20) (United States material)	293.03*	-1.34% ▼	17 May 19
HMS 1&2 (75:25 mix)	283-285*	0.18% ▲	17 May 19
Shredded	291-295*	-0.68% ▼	17 May 19
Turkish domestic			
<i>Fastmarkets MB's assessment delivered</i>			
Melting scrap from shipbreaking (\$/tonne)	295-300*	-5.56% ▼	13 May 19
Auto bundle scrap (Turkish lira/tonne)	1,700-1,905*	0.98% ▲	13 May 19
USA export			
<i>Fastmarket AMM ferrous scrap export index \$/tonne East Coast fob New York</i>			
HMS 1&2 (80:20)	274*	-3.52% ▼	15 May 19
Shredded	279*	-4.86% ▼	15 May 19
USA domestic			
<i>Fastmarkets AMM Midwest index \$/gross ton delivered mill</i>			
No1 heavy melting scrap	261.44*	-10.53% ▼	10 May 19
No1 busheling	312.25*	-10.91% ▼	10 May 19
Shredded	290.32*	-9.21% ▼	10 May 19
China domestic			
<i>yuan/tonne delivered mill</i>			
Heavy scrap	2,580-2,750*	-0.74% ▼	17 May 19
Taiwan import			
<i>\$/tonne cfr main port</i>			
HMS 1&2 (80:20 mix) (USA material)	272-275*	-1.8% ▼	17 May 19
Vietnam import			
<i>\$/tonne cfr southern Vietnam</i>			
HMS 1&2	315-320*	0%	17 May 19
Germany domestic			
<i>€/tonne composite sales price ex-yard, source: BDSV</i>			
No E2/8 (new steel scrap)	254.60	-0.55% ▼	01 Apr 19
No E1 (old steel scrap)	224.5	-1.92% ▼	01 Apr 19
No E3 (old thick steel scrap)	252.80	-0.2% ▼	01 Apr 19
No E40 (shredded steel scrap)	258.10	0.16% ▲	01 Apr 19
No E5 (steel turnings)	201.80	-0.69% ▼	01 Apr 19
<i>Fastmarkets MB's assessment €/tonne delivered at mill</i>			
Grade E40 (shredded steel scrap)	265-275	-3.57% ▼	17 May 19
No E8 (thin new production steel scrap)	265-280	-3.54% ▼	17 May 19
No E3 (old thick scrap)	260-275	-2.73% ▼	17 May 19
Italy domestic			
<i>Fastmarkets MB's assessment €/tonne delivered at mill</i>			
No E3 (old thick scrap)	250-270	-2.8% ▼	17 May 19
No E8 (thin new production steel)	270-285	-3.48% ▼	17 May 19
No E40 (shredded steel scrap)	270-285	-2.63% ▼	17 May 19

† week-on-week change

continued >



SCRAP SUBSTITUTES			
	Price	Change [†]	Assessed
EU imports \$/tonne			
Pig iron imports cif Italy	355-360*	0%	16 May 19
Hot-briquetted iron cfr Italian ports	285-290*	0%	16 May 19
Brazil exports \$/tonne, delivery terms as stated			
Hot briquetted iron Venezuela	205-210*	0%	17 May 19
Pig iron fob Vitoria/Rio Brazil	320-322*	-1.23% ▼	17 May 19
Pig iron fob Ponta da Maderia Brazil	342-342*	-2.56% ▼	17 May 19
US imports \$/tonne cfr Gulf of Mexico			
Pig iron	355-355*	-0.7% ▼	17 May 19
CIS exports \$/tonne fob main port			
Pig iron Baltic Sea	365-370*	0%	16 May 19
Pig iron Black Sea	330-335*	-1.48% ▼	16 May 19

NON-FERROUS SCRAP EUROPE			
	Price	Change [†]	Assessed
Aluminium			
European free market Fastmarkets MB assessment €/tonne			
Floated frag	990-1,040*	-1.46% ▼	17 May 19
Cast	890-910*	-2.17% ▼	17 May 19
Mixed turnings 6%	740-790*	-1.29% ▼	17 May 19
France per 1000kg			
Pure cuttings	1,400-1,420	0%	14 May 19
Old rolled	580-600	0%	14 May 19
Commercial cast	600-620	0%	14 May 19
<i>Source: Lettre d'Information Metaux</i>			
Italy per 1000kg			
Pure cuttings	1,065-1,095	0%	10 May 19
Old mixed scrap	1,505-1,535	0%	10 May 19
Commercial cast	890-945	0%	10 May 19
<i>Source: Assomet</i>			
Copper			
France per 1000kg			
Electro cuttings	4,900-4,950	-2.96% ▼	14 May 19
No 1 bright wire	4,750-4,770	-1.86% ▼	14 May 19
Mixed (96%)	4,250-4,300	-4.47% ▼	14 May 19
Brass plate cuttings 70/30	3,600-3,700	-4.2% ▼	14 May 19
Brass turnings	3,150-3,200	-1.55% ▼	14 May 19
Mixed brass	2,850-2,950	-1.69% ▼	14 May 19
<i>Source: Lettre d'Information Metaux</i>			
Italy per 1000kg			
Electrolytic dd EN 12861-S-Cu-2	5,075-5,235	-2.09% ▼	10 May 19
Enamelled wire EN 12861-S-Cu-3	4,953-5,115	-2.14% ▼	10 May 19
New from tubes, strips etc EN 12861-S-Cu-4	4,977-5,205	-2.11% ▼	10 May 19
Old from tubes, strips etc 12861-S-Cu-7	4,805-4,975	-2.2% ▼	10 May 19
EN12861-S-Cu-Zn-1-A-Cu 63.5%	3,845-3,925	-7% ▼	10 May 19
Mixed from valves/taps EN 12861-S-Cu-Zn-6	3,245-3,575	-3.12% ▼	10 May 19
Several 95% m/m 12861-S-Cu-Zn-7	3,295-3,375	-3.19% ▼	10 May 19
<i>Source: Assomet</i>			

UK NON-FERROUS SCRAP			
	Price	Change [†]	Assessed
Aluminium - actual price			
<i>£ per tonne</i>			
Group 1 pure 99% & Litho	1,260-1,310*	0%	15 May 19
Commercial pure cuttings	930-970*	0%	15 May 19
Clean HE9 extrusions	1,260-1,310*	0%	15 May 19
Loose old rolled cuttings	650-675*	-1.12% ▼	15 May 19
Baled old rolled	730-750*	0%	15 May 19
Commercial cast	750-800*	0%	15 May 19
Cast wheels	1,080-1,100*	-2.24% ▼	15 May 19
Commercial turnings	550-580*	-0.88% ▼	15 May 19
Group 7 turnings	445-460*	-1.63% ▼	15 May 19
Fastmarkets MB and LME aluminium scrap discounts			
<i>£ per tonne</i>			
Group 1 pure 99% & Litho	61-111*	7.5% ▲	15 May 19
Commercial pure cuttings	401-441*	1.45% ▲	15 May 19
Clean HE9 extrusions	61-111*	7.5% ▲	15 May 19
Loose old rolled cuttings	418-443*	18.92% ▲	15 May 19
Baled old rolled	343-363*	20.89% ▲	15 May 19
Commercial cast	293-343*	23.74% ▲	15 May 19
Cast wheels	-7-13*	-103.61% ▼	15 May 19
Commercial turnings	513-543*	14.29% ▲	15 May 19
Group 7 turnings	633-648*	11.98% ▲	15 May 19
Titanium			
<i>\$/lb cif</i>			
Turnings, unprocessed type 90/6/4 (0.5% Sn max)	1.10-1.30*	2.13% ▲	15 May 19
Turnings, unprocessed 90/6/4 (over 0.5% max 2% Sn)	1.05-1.10*	0%	15 May 19
Copper scrap discount			
<i>cents/lb</i>			
No 2 copper (birch/cliff) imported into China 94-96% cif China	37-42*	12.86% ▲	29 Apr 19

† week-on-week change

continued >



NON-FERROUS FOUNDRY INGOTS			
	Price	Change ¹	Assessed
Aluminium UK £/tonne			
Fastmarkets MB free market			
LM24 pressure diecasting ingot	1,340-1,390*	0%	15 May 19
LM6/LM25 gravity diecasting ingot	1,650-1,690*	-0.6% ▼	15 May 19
NB: prices expressed delivered consumer works, LM series as specified in BS1490			
Aluminium Europe			
Fastmarkets MB free market			
Duty paid delivered works pressure diecasting ingot price (DIN226/A380) - €/tonne	1,380-1,430*	-0.71% ▼	17 May 19
Aluminum US \$/lb delivered Midwest			
A380.1 alloy	0.79-0.80*	0%	16 May 19
AFFIMET €/tonne			
AS12	3,494	-0.99% ▼	01 May 19
AS12 UN	2,465	0%	01 May 19
AS9 U3	1,840	0%	01 May 19
AS5 U3	2,190	0%	01 May 19
Reflects generally larger traded lots			
Aluminium bronze £/tonne UK			
AB1 ex-works	4,900	-2% ▼	14 May 19
AB2 ex-works	4,950	-1.98% ▼	14 May 19
Source: C.F. Booth Ltd			
Brass UK £/tonne			
SCB3 ex-works	4,100	-1.2% ▼	14 May 19
High tensile HTB1 ex-works	4,290	-1.15% ▼	14 May 19
Source: C.F. Booth Ltd			
Gunmetal UK £/tonne			
LG2 85/5/5/5 ex-works	4,700	0%	14 May 19
LG4 87/7/3/3 ex-works	5,400	-0.92% ▼	14 May 19
G1 1.15 PB ex-works	6,190	0%	14 May 19
Source: C.F. Booth Ltd			
Phosphor bronze UK £/tonne			
PB1 ex-works	6,800	0%	14 May 19
Source: C.F. Booth Ltd			
Phosphor copper £/tonne			
10% P ex-works	6,080	0%	14 May 19
15% P ex-works	6,130	0%	14 May 19
Source: C.F. Booth Ltd			
Zinc alloys UK £/tonne			
Brock Metal Co contract alloy price (delivered UK)			
Brock Metal ZL3	2,749	-3.34% ▼	01 May 19
Brock Metal ZL5	2,776	-3.34% ▼	01 May 19



Monthly averages: April

BASE METALS			
		Low	High
Aluminium			
Aluminium P1020A, in-warehouse Rotterdam premium, duty unpaid, spot \$/tonne		85.85	95.85
Aluminium P1020A, in-warehouse Rotterdam duty paid, spot \$/tonne		139.44	149.44
Alumina			
Index fob Australia		386.39	
Copper			
US High-grade cathode premium indicator, \$/tonne		154.32	170.86
Nickel			
Free market in warehouse premium			
Europe \$/tonne	Uncut cathodes	198	228
	4x4 cathodes	450	500
	Briquettes	232	262
Tin			
European free market			
Spot Premium 99.9%, \$/tonne		410	450
Kuala Lumpur (ex-smelter), \$/tonne		20,566.36	
MINOR METALS			
Antimony			
MB free market Regulus 99.65%, max Se 50ppm, in warehouse, \$/tonne		7,012.5	7,318.75
MMTA Standard grade II, \$/tonne		6,968.75	7,281.25
Bismuth			
MB free market min. 99.99%, tonne lots, in warehouse, \$/lb		3.35	3.80
Cadmium			
MB free market			
min 99.95%, in warehouse, cents/lb		133	142.25
min 99.99%, in warehouse cents/lb		136.75	145.25
Cobalt			
MB free market			
Alloy Grade, in warehouse, \$/lb		16.36	17.34
Standard Grade, in warehouse, \$/lb		15.36	16.58
Gallium			
MB free market			
MB free market, \$/kg		153	173
Germanium			
Dioxide MB free market min 99.99%, \$/kg		950	1,150
Metal, Rotterdam, \$/kg		1,320	1,440
Indium			
MB free market ingots, min 99.97%, in warehouse, \$/kg		187.5	212.5
Magnesium			
MB free market min 99.8%, \$/tonne		2,640	2,740
China free market min 99.8%, \$/tonne		2,572.5	2,612.5

		Low	High
Mercury			
MB free market min 99.99%, in warehouse, \$/flask		2,400	2,700
Selenium			
MB free market min 99.5% in warehouse, \$/lb		9	11
Silicon			
Grade 441, min 99% Si in-warehouse Rotterdam, €/tonne		1,820	1,920
Titanium			
Ferro-Titanium, 70% (max 4.5% Al), d/d Europe, \$/kg		5.18	5.5
ORES & ALLOYS			
		Low	High
Molybdenum			
Free market in warehouse Europe drummed molybdioxide \$/lb Mo		12.08	12.19
US canned molybdic oxide \$/lb Mo		12.03	12.21
Ferro-molybdenum			
basis 65% min, in-warehouse Rotterdam, \$/kg Mo		28.67	28.95
Tungsten			
European free market APT, \$/mtu		270	281.5
Ferro-tungsten			
basis 75% W min, \$/kg		35.56	36.56
Vanadium			
min 98%, in-warehouse Rotterdam, V2O5, \$/lb		9.81	10.88
Ferro-vanadium			
basis 78% min, free delivery duty paid consumer plant, 1st grade Western Europe, \$/kg V		45	47
US Free market 70-80%, \$/lb		24.25	26.5
PRECIOUS METALS			
Gold			
London \$/troy oz	Morning	1,287.65	
	Afternoon	1,286.45	
London £/troy oz	Morning	987.42	
	Afternoon	986.89	
\$/troy oz	Handy/Harman	1,285.91	
Palladium			
Morning \$/troy oz		1,388.70	
Afternoon \$/troy oz		1,389.30	
Platinum: per troy oz			
Morning \$/troy oz		887.40	
Afternoon \$/troy oz		886.30	
Rhodium			
European free market min 99.9% in-warehouse, \$/troy oz		2,798	3,035.75
Silver			
London			
spot pence/troy oz		1,153.25	
spot cents/troy oz		1,504.20	
Handy/Harman cents/troy oz		1,505.51	

† week-on-week change

continued >



FOUNDRY INGOTS			
	Low	High	
Aluminium			
LM24, £/tonne	1,357.5	1,407.5	
LM6/LM25, £/tonne	1,677.5	1,717.5	
Aluminium Europe €/tonne	1,422.5	1,470	
Phosphor Bronze			
PB1 ex-works, £/tonne	6,888		
Zinc Alloy			
ZL3, £/tonne	2,844		
EXCHANGE RATES (CLOSING RATES)			
\$/£	1.30		
\$/yen	111.61		
\$/€	1.12		
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LONDON METAL EXCHANGE			
High, low and average April (20 days) LME averages are mean of buyers and sellers except for settlement and 3 months sellers.			
	Jan-Apr 2019 Low \$	High \$	April average \$
Aluminium (\$)			
Cash	1,775.25	1,922.5	1,848.56
3 months	1,813.5	1,944.25	1,867.93
Settlement	1,775.5	1,923	1,848.98
3 months seller	1,814	1,944.5	1,868.28
Copper Grade A (\$)			
Cash	5,810.75	6,571	6,444.5
3 months	5,836	6,532.5	6,454.69
Settlement	5,811	6,572	6,445.10
3 months seller	5,837	6,533	6,455.5
Copper Grade A (£)			
Settlement	4,508.36	5,000.76	4,942.89
3 months seller	4,506.43	4,980.18	4,928.04
Lead (\$)			
Cash	1,901	2,153.5	1,948.26
3 months	1,916.5	2,164.5	1,966.84
Settlement	1,902	2,154	1,948.85
3 months seller	1,918	2,165	1,967.43
Lead (£)			
Settlement	1,459.02	1,626.25	1,494.57
3 months seller	1,464.91	1,628.19	1,501.87
Nickel (\$)			
Cash	10,437.5	13,607.5	12,815.13
3 months	10,527.5	13,655	12,903.5
Settlement	10,440	13,610	12,819
3 months seller	10,530	13,660	12,910.5
Tin (\$)			
Cash	19,495	21,912.5	20,670.75
3 months	19,472.5	21,700	20,542.25
Settlement	19,500	21,925	20,683.75
3 months seller	19,475	21,725	20,559.5

	Jan-Apr 2019 Low \$	High \$	April average \$
Zinc (\$)			
Cash	2,461	3,017	2,937.96
3 months	2,395.5	2,948.5	2,846.05
Settlement	2,462	3,018	2,938.75
3 months seller	2,396	2,949	2,846.48
Cobalt (\$)			
Cash	29,500	46,000	33,593.75
3 months	29,500	50,000	33,587.5
Settlement	30,000	47,000	33,977.5
3 months seller	30,000	51,000	34,000
Aluminium Alloy (\$)			
Cash	1,300	1,517.5	1,351.99
3 months	1,355	1,525	1,390.25
Settlement	1,305	1,520	1,356.5
3 months seller	1,360	1,530	1,396.25
Nasaa (\$)			
Cash	1,255	1,535	1,310.15
3 months	1,280	1,565	1,348.5
Settlement	1,260	1,536	1,313.20
3 months seller	1,285	1,570	1,354.75

LME SETTLEMENT CONVERSION RATES

\$/£	1.30
\$/yen	111.62
\$/€	1.12