

Prices

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NEW YORK FUTURES

	Price	Change [†]	Assessed
Comex: Copper high grade cents/lb			
Settlement	317.70	-1.14% ▼	18 Jan 18
Open interest	283,847	-2.29% ▼	17 Jan 18
Stocks (short ton)	213,072	0.37% ▲	17 Jan 18
Comex: Gold \$/troy oz			
Settlement	1,326	0.41% ▲	18 Jan 18
Open interest	596,189	5.07% ▲	17 Jan 18
Stocks (troy oz)	9,477,089	2.93% ▲	17 Jan 18
Nymex: Palladium \$/troy oz			
Settlement	1,093.30	1.58% ▲	18 Jan 18
Stocks (troy oz)	40,690	0% ▲	17 Jan 18
Nymex: Platinum \$/troy oz			
Settlement	1,005	1.83% ▲	18 Jan 18
Stocks (troy oz)	189,520	-1.14% ▼	17 Jan 18
Comex: Silver cents/troy oz			
Settlement	1,689.30	-0.01% ▼	18 Jan 18
Open interest	194,981	-0.85% ▼	17 Jan 18

SHANGHAI FUTURES

	Price	Change [†]	Assessed
Aluminium yuan/tonne	14,670	-1.68% ▼	19 Jan 18
Copper yuan/tonne	53,620	-1.58% ▼	19 Jan 18
Nickel cathode yuan/tonne	96,280	-1.61% ▼	19 Jan 18
Tin ingot yuan/tonne	142,620	-0.55% ▼	19 Jan 18
Zinc yuan/tonne	26,095	-0.7% ▼	19 Jan 18
Steel rebar month 1 yuan/tonne	3,900	-11.2% ▼	19 Jan 18
Steel rebar month 2 yuan/tonne	3,914	-0.56% ▼	19 Jan 18
Steel rebar month 3 yuan/tonne	3,955	1.33% ▲	19 Jan 18
Weekly stocks deliverable			
Aluminium (tonnes)	783,759	1.27% ▲	19 Jan 18
Copper (tonnes)	176,233	5.26% ▲	19 Jan 18
Nickel cathode (tonnes)	57,165	-0.4% ▼	19 Jan 18
Tin ingot (tonnes)	5,002	-5.94% ▼	19 Jan 18
Zinc (tonnes)	79,342	0.37% ▲	19 Jan 18
Steel rebar (tonnes)	18,034	100.2% ▲	19 Jan 18

DAILY METAL AND STEEL

London forward LME settlement prices. All prices per tonne, unless otherwise stated, in LME warehouse, EU duty, if any paid for buyers account

	Price	Change [†]	Assessed
Aluminium high grade \$			
Cash official	2,255-2,256	1.85% ▲	19 Jan 18
Cash unofficial	2,234-2,236	3.3% ▲	18 Jan 18
3 months official	2,253-2,254	1.38% ▲	19 Jan 18
3 months unofficial	2,230-2,232	2.57% ▲	18 Jan 18
LME Tapo notional average price (NAP)	2,201.38	0.11% ▲	18 Jan 18
LME stocks (tonnes)	1,091,850	0.46% ▲	18 Jan 18
Aluminium alloy (A380. 1/DIN/D12S) \$			
LME cash official	1,830-1,840	3.09% ▲	19 Jan 18
LME cash unofficial	1,819.5-1,829.5	1.9% ▲	18 Jan 18
LME 3 months official	1,845-1,855	3.06% ▲	19 Jan 18
LME 3 months unofficial	1,835-1,845	1.94% ▲	18 Jan 18
LME stocks (tonnes)	14,580	0% ▲	18 Jan 18

	Price	Change	Assessed
N. American special aluminium alloy			
LME cash official	1,910-1,920	2.27% ▲	19 Jan 18
LME cash unofficial	1,879.5-1,889.5	1.54% ▲	18 Jan 18
LME 3 months official	1,930-1,940	2.38% ▲	19 Jan 18
LME 3 months unofficial	1,900-1,910	1.87% ▲	18 Jan 18
LME stocks (tonnes)	187,340	0.27% ▲	18 Jan 18
Copper grade A \$			
LME cash official	7,078-7,079	0.12% ▲	19 Jan 18
LME cash unofficial	7,036-7,038	-0.61% ▼	18 Jan 18
LME 3 months official	7,119-7,120	0.13% ▲	19 Jan 18
LME 3 months unofficial	7,079-7,081	-0.52% ▼	18 Jan 18
LME Tapo notional average price (NAP)	7,107.96	-0.3% ▼	18 Jan 18
LME stocks (tonnes)	211,650	3.69% ▲	18 Jan 18
Lead \$			
LME cash official	2,605-2,608	2.8% ▲	19 Jan 18
LME cash unofficial	2,593-2,595	1.31% ▲	18 Jan 18
LME 3 months official	2,605-2,610	3.1% ▲	19 Jan 18
LME 3 months unofficial	2,598-2,600	1.72% ▲	18 Jan 18
LME stocks (tonnes)	139,250	-1.99% ▼	18 Jan 18
Nickel \$			
LME cash official	12,590-12,595	-0.57% ▼	19 Jan 18
LME cash unofficial	12,425-12,450	-1% ▼	18 Jan 18
LME 3 months official	12,605-12,610	-0.63% ▼	19 Jan 18
LME 3 months unofficial	12,475-12,500	-0.99% ▼	18 Jan 18
LME stocks (tonnes)	361,500	-1.23% ▼	18 Jan 18
Tin \$			
LME cash official	20,665-20,685	2.04% ▲	19 Jan 18
LME cash unofficial	20,465-20,515	1.8% ▲	18 Jan 18
LME 3 months official	20,550-20,575	1.44% ▲	19 Jan 18
LME 3 months unofficial	20,425-20,475	1.8% ▲	18 Jan 18
LME stocks (tonnes)	1,980	-6.38% ▼	18 Jan 18
Zinc special high grade \$			
LME cash official	3,462.5-3,463	1.28% ▲	19 Jan 18
LME cash unofficial	3,406.5-3,408.5	0.19% ▲	18 Jan 18
LME 3 months official	3,431-3,432	1.33% ▲	19 Jan 18
LME 3 months unofficial	3,381-3,383	0.18% ▲	18 Jan 18
LME stocks (tonnes)	179,975	-0.1% ▼	18 Jan 18
Cobalt min 99.3%			
LME cash official	80,000-80,500	6.64% ▲	19 Jan 18
LME 3 months official	80,000-80,500	6.64% ▲	19 Jan 18
LME stocks (tonnes)	554	-3.15% ▼	18 Jan 18
Molybdenum \$			
LME cash official	15,500-16,000	0% ▲	19 Jan 18
LME 3 months official	15,500-16,000	0% ▲	19 Jan 18
LME stocks (tonnes)	0	0% ▲	18 Jan 18

† week-on-week change

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	Price	Change	Assessed
Gold \$/troy oz			
London morning	1,335.80	0.22% ▲	19 Jan 18
London afternoon	1,334.95	0.61% ▲	19 Jan 18
Handy/Harman	1,332.20	0.69% ▲	18 Jan 18
Silver per troy oz			
London spot pence	1,227	-2.31% ▼	19 Jan 18
London spot cents	1,704	-0.47% ▼	19 Jan 18
Handy/Harman	1,702	0.27% ▲	18 Jan 18
Palladium \$/troy oz			
London morning	1,106	2.22% ▲	18 Jan 18
London afternoon	1,107	2.69% ▲	18 Jan 18
Platinum \$/troy oz			
London morning	999	2.36% ▲	18 Jan 18
London afternoon	1,003	2.24% ▲	18 Jan 18
Kuala Lumpur tin market			
Tin \$/tonne	20,370	1.29% ▲	19 Jan 18
ICDX			
Tin PB300 settlement price \$/tonne	19,750	-0.15% ▼	19 Jan 18
Tin PB300 volume, tonnes	26	-86.1% ▼	19 Jan 18

RAND FIXING PRICES

Rand fixing prices per tonne for London Metal Exchange trade

	Price	Change [†]	Assessed
Copper	85,756.42	-2.09% ▼	19 Jan 18
Aluminium	27,329.64	-0.4% ▼	19 Jan 18
Lead	31,593.83	0.57% ▲	19 Jan 18
Zinc	41,951.47	-0.98% ▼	19 Jan 18
Nickel	152,578.35	-2.79% ▼	19 Jan 18
Tin	250,582.23	-0.23% ▼	19 Jan 18

EXCHANGE RATES

	Price	Change [†]	Assessed
LME settlement conversion rates			
\$/£	1.3864	1.7% ▲	19 Jan 18
\$/¥	110.6800	-0.44% ▼	19 Jan 18
\$/€	1.2256	1.01% ▲	19 Jan 18
Closing rates, midpoint			
\$/£	1.3885	2.59% ▲	18 Jan 18
\$/¥	110.9550	-0.4% ▼	18 Jan 18
\$/€	1.2239	1.6% ▲	18 Jan 18
£/€	1.1344	0.96% ▲	18 Jan 18
\$/CNY	6.4254	-1.28% ▼	18 Jan 18

BASE METALS ARBITRAGE

	Price	Change [†]	Assessed
Aluminium			
Import arbitrage, \$/tonne	-515.90*	20.24% ▲	19 Jan 18
Import arbitrage, RMB/tonne	-3,306.67*	18.76% ▲	19 Jan 18
Copper			
Import arbitrage, \$/tonne	-82.48*	-9.19% ▼	19 Jan 18
Import arbitrage, RMB/tonne	-528.65*	-10.31% ▼	19 Jan 18
Nickel			
Import arbitrage, \$/tonne	-344.28*	-41.03% ▼	19 Jan 18
Import arbitrage, RMB/tonne	-2,206.69*	-41.76% ▼	19 Jan 18
Zinc			
Import arbitrage, \$/tonne	-146.57*	-21.04% ▼	19 Jan 18
Import arbitrage, RMB/tonne	-939.47*	-22.01% ▼	19 Jan 18

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	160-190*	-12.5% ▼	03 May 17
Rotterdam, Grade A, cathode, cif, \$/tonne	45.0-50.0*	0%	16 Jan 18
North European warrants, Grade A cathode, in-warehouse, \$/tonne	5.0-15.0*	0%	16 Jan 18
Leghorn, copper low-high premium, Grade A, cathode, cif, \$/tonne	57.5-62.5*	0%	16 Jan 18
Leghorn, copper average premium, Grade A, cathode, cif, \$/tonne	60*	0%	16 Jan 18
South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne	60.0-65.0*	0%	16 Jan 18
South Korea, copper average premium, Grade A, cathode, cif, \$/tonne	62.5*	0%	16 Jan 18
Southeast Asian warrants, Grade A cathode, in-warehouse, \$ per tonne	5.0-10.0*	0%	16 Jan 18
Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne	65.0-78.0*	-3.38% ▼	19 Jan 18
Shanghai, copper average premium, Grade A, cathode, in-warehouse, \$/tonne	72*	-1.37% ▼	19 Jan 18
Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne	60.0-72.0*	-2.22% ▼	19 Jan 18
Shanghai, copper average premium, Grade A, cathode, cif, \$/tonne	66*	-1.49% ▼	19 Jan 18
MB free market US: High-grade cathode premium indicator, \$/tonne	115.7-126.8*	0%	16 Jan 18
Aluminium			
Aluminium P1020A, in-whs Rotterdam duty unpaid, spot low-high, \$/tonne	95.0-102.0*	3.14% ▲	19 Jan 18
Aluminium P1020A, in-warehouse Rotterdam duty unpaid, spot weighted average, \$/tonne	99*	3.12% ▲	19 Jan 18
Aluminium P1020A, cif Korea (Gwangyang or Busan), spot low-high, \$/tonne	90-103*	0%	16 Jan 18
Aluminium P1020A, cif Korea (Gwangyang or Busan), spot weighted average, \$/tonne	96*	0%	16 Jan 18
Aluminium P1020A, Southeast Asian warrants, in-warehouse, \$/tonne	5.0-15.0*	0%	16 Jan 18
Aluminium P1020A, cif Shanghai, spot low-high, \$/tonne	90.0-100.0*	0%	16 Jan 18
Aluminium P1020A, cif Shanghai, spot weighted average, \$/tonne	95*	0%	16 Jan 18
Aluminium P1020A, cif main Japanese ports, spot low-high, \$/tonne	95.0-105.0*	2.56% ▲	16 Jan 18
Aluminium P1020A, cif main Japanese ports, spot weighted average, \$/tonne	98*	0%	16 Jan 18
Aluminium ingot ADC 12 spot, main Japanese ports, \$/tonne	1,990*	0%	17 Jan 18
Aluminium P1020A, cif main Japanese ports, quarterly, \$/tonne	103.0-103.0*	8.99% ▲	14 Dec 17
Aluminium extrusion billet premium 6063 cif Japan, yearly, \$/tonne	140.0-150.0*	-6.45% ▼	12 Jan 18
Aluminium P1020A, in-warehouse Rotterdam duty-paid, spot \$/tonne	160.0-169.0*	1.86% ▲	19 Jan 18
Aluminium 6063 extrusion billet, in-whs Rotterdam duty-paid, spot, \$/tonne	340.0-360.0*	0%	05 Jan 18
Aluminium P1020A, delivered US midwest, spot, \$/lb	0.103-0.108*	9.09% ▲	16 Jan 18
Aluminium P1020A, delivered Sao Paulo region, spot, \$/tonne	230.0-240.0*	0%	16 Jan 18

† week-on-week change

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	Price	Change	Assessed
Aluminium P1020A, cif Brazilian main ports duty-unpaid, spot, \$/tonne	160.0-170.0*	0%	16 Jan 18
Aluminium 6063 + 6060 extrusion billet, cif Brazilian main ports, spot (premium over LME cash), \$/tonne	280.0-300.0*	0%	19 Jan 18
Lead			
North European warrants, min 99.97% ingots, in-warehouse, \$/tonne	10.0-15.0*	0%	16 Jan 18
Southeast Asian warrants, min 99.97% ingots, in-warehouse, \$/tonne	15.0-20.0*	0%	16 Jan 18
USA lead premium 99.97%, delivered domestic, \$/lb	0.09-0.11*	0%	16 Jan 18
USA lead premium 99.97%, delivered domestic, cents/lb	9-11*	0%	16 Jan 18
USA lead premium 99.99%, delivered domestic, cents/lb	11-13*	2.13% ▲	16 Jan 18
Nickel			
Shanghai, nickel low-high premium, 99.8% purity in-warehouse, \$/tonne	290.0-310.0*	0%	16 Jan 18
Shanghai, nickel average premium, 99.8% purity in-warehouse, \$/tonne	300*	0%	16 Jan 18
Shanghai, nickel low-high premium, 99.8% purity, full plate, cif, \$/tonne	250.0-280.0*	-8.62% ▼	16 Jan 18
Shanghai, nickel premium, 99.8% purity full plate, cif, \$/tonne	265*	-8.62% ▼	16 Jan 18
Southeast Asian warrants, min 99.80% full plates, in-warehouse, \$/tonne	120-200*	0%	16 Jan 18
Southeast Asian warrants, min 99.80% briquettes, in-warehouse, \$/tonne	10-20*	0%	16 Jan 18
uncut cathodes premium indicator	220.0-270.0*	0%	16 Jan 18
4x4 cathodes premium indicator	345.0-420.0*	0%	16 Jan 18
briquettes premium indicator	275.0-315.0*	0%	16 Jan 18
US: melting premium indicator, \$/lb	0.250-0.350*	5.26% ▲	16 Jan 18
Tin			
MB European free market			
Spot premium 99.9%, \$/tonne	310-340*	3.17% ▲	16 Jan 18
Spot premium 99.85%, \$/tonne	250-300*	0%	16 Jan 18
United States New York spot, cents/lb	957-958	1.38% ▲	18 Jan 18
Zinc			
North European warrants, min 99.995% SHG ingots, \$/tonne	80.0-90.0*	0%	16 Jan 18
MB EU: Special high grade, fca Rotterdam, \$/tonne	135.0-145.0*	0%	16 Jan 18
Malaysia in-warehouse, 99.995% SHG ingots, \$/tonne	80.0-85.0*	0%	16 Jan 18
Singapore, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne	80.0-85.0*	0%	16 Jan 18
Singapore, zinc average premium, 99.995% purity, in-warehouse, \$/tonne	83*	0%	16 Jan 18
Shanghai, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne	135.0-145.0*	0%	16 Jan 18
Shanghai, zinc average premium, 99.995% purity, in-warehouse, \$/tonne	140*	0%	16 Jan 18
MB US: Special high grade, \$/lb	0.080-0.090*	0%	16 Jan 18

BASE METALS			
	Price	Change*	Assessed
Alumina			
MB Chinese free market, metallurgical grade, delivered duty paid, RMB/tonne	2,800.0-2,900.0*	1.79% ▲	18 Jan 18
Alumina Index fob Australia	385.03*	0.27% ▲	19 Jan 18
Alumina Index fob Brazil	7.07*		18 Jan 18
Alumina Index fob Brazil, inferred Brazil price \$ per dry metric ton	392.10*		19 Jan 18
Bauxite			
fob Kamsar, Guinea \$/tonne per dmtu	38*	0%	18 Jan 18
fob Trombetas, Brazil \$/tonne per dmtu	38*	0%	18 Jan 18
Copper & Brass			
Producer premium			
Aurubis European Grade A cathode ex-works \$/tonne	86.0	0%	20 Oct 17
Codelco: Contract 2016 Grade A cathode (average)	88.0	7.32% ▲	27 Oct 17
Germany: (VDM) Electro, €/tonne wirebar (DEL):	5,842.3-5,867.8	-3%	17 Jan 18
cathodes:	5,800.0-5,870.0	-2.83% ▼	17 Jan 18
South Africa: Palabora copper rod 7.90mm, Rand/tonne	102,109.940	-6.89% ▼	02 Jan 18
Copper concentrate Asia-Pacific Index RC import, US cents/lb (twice monthly on 15th and last day of month)	8.10-8.10*	1.5%	15 Jan 18
Copper concentrate Asia-Pacific Index TC import, \$/dmt (twice monthly on 15th and last day of month)	81-81*	1.5%	15 Jan 18
Shanghai bonded copper stocks, tonnes	468,000-478,000*	0.64% ▲	15 Jan 18
Nickel			
Nickel pig iron high grade NPI content 10-15% contract price delivered duty paid China RMB per nickel unit price	970-990*	0%	16 Jan 18
Nickel pig iron high grade NPI content 10-15% spot price China RMB per nickel unit price	990-1,010*	2.04% ▲	16 Jan 18
Nickel ore			
Laterite ore with 1.5% nickel content cif China, \$/tonne	34-36*	0%	16 Jan 18
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	50-52*	2%	16 Jan 18
Lead			
Germany: (VDM) virgin soft, €/tonne	2,220-2,260	-2.61% ▼	17 Jan 18
European automotive battery premium free market (Eurobat)			
in-warehouse Rotterdam €/tonne			
Soft lead (average)	152.98*	-1.33% ▼	01 Dec 17
Ca/Ca grid grid lead (average)	438.17*	-0.37% ▼	01 Dec 17
Connector lead (average)	580.46*	0.27% ▲	01 Dec 17
For an explanation of these premiums, see http://www.eurobat.org/statistics			
Zinc			
Germany: (VDM) virgin, €/tonne	2,980-2,980	0%	17 Jan 18
UK: Special high grade, delivered monthly average price £/tonne	2,606*	0.12% ▲	02 Jan 18

† week-on-week change

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PRECIOUS METALS			
	Price	Change [†]	Assessed
Iridium			
MB free market: min 99.9%, \$/troy oz in-warehouse	925-1,025*	0%	19 Jan 18
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	970	0%	19 Jan 18
Engelhard base price: \$/troy oz	990	0%	19 Jan 18
Palladium			
European free market: min 99.9%, \$/troy oz in-warehouse	1,107-1,118*	2.3%	▲ 19 Jan 18
Engelhard base price: \$/troy oz	1,114	1.55%	▲ 19 Jan 18
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	1,118	2.19%	▲ 19 Jan 18
Platinum			
European free market: min 99.9%, \$/troy oz in-warehouse	1,003-1,017*	2.07%	▲ 19 Jan 18
Engelhard base price: \$/troy oz	1,008	1.31%	▲ 19 Jan 18
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	1,016	1.7%	▲ 19 Jan 18
Rhodium			
European free market: min 99.9%, \$/troy oz in-warehouse	1,645-1,745*	-0.29%	▼ 19 Jan 18
Engelhard base price: \$/troy oz	1,700	0%	19 Jan 18
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	1,690	0%	19 Jan 18
Ruthenium			
European free market: min 99.9%, \$/troy oz in-warehouse	175-215*	0%	19 Jan 18
Engelhard base price: \$/troy oz	195	0%	19 Jan 18
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	195	2.63%	▲ 19 Jan 18

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	8,100-8,400*	0.61%	▲ 19 Jan 18
MMTA Standard Grade II, \$/tonne in-warehouse Rotterdam	8,100-8,400*	0.61%	▲ 19 Jan 18
MB Chinese free market MMTA Standard Grade II, delivered duty paid RMB/tonne	52,000-52,500*	0%	17 Jan 18
Arsenic			
MB free market \$/lb	0.90-1.25*	0%	19 Jan 18
Bismuth			
MB free market \$/lb	5-5.40*	0%	19 Jan 18
MB China domestic, min 99.99%, RMB/tonne	69,000-71,000*	0.36%	▲ 19 Jan 18
Cadmium			
MB free market min 99.95% cents/lb	97-105*	0%	19 Jan 18
MB free market min 99.99% cents/lb	99-108*	0%	19 Jan 18
Chromium			
MB free market alumino-thermic min 99% \$/tonne	8,050-8,350*	0.61%	▲ 19 Jan 18
Cobalt			
MB free market high-grade \$/lb	37-38.05*	0.4%	▲ 19 Jan 18
MB free market low-grade \$/lb	36.75-37.40*	1.02%	▲ 19 Jan 18
MB high-grade, weighted average of all confirmed international trades, \$/lb	37.79*	2.05%	▲ 19 Jan 18
MB low-grade, weighted average of all confirmed international trades, \$/lb	37.32*	1.11%	▲ 19 Jan 18
MB China domestic, min 99.8% RMB/tonne	570,000-600,000*	2.63%	▲ 19 Jan 18
Cobalt tetroxide min 72.6% Co delivered China RMB/tonne	410,000-430,000*	2.44%	▲ 19 Jan 18

	Price	Change	Assessed
Gallium			
MB free market \$/kg	175-195*	7.25%	▲ 19 Jan 18
MB China domestic, min 99.99%, RMB/kg	1,000-1,150*	2.38%	▲ 17 Jan 18
Germanium			
Germanium dioxide MB free market \$/kg	850-975*	7.35%	▲ 19 Jan 18
Germanium metal \$/kg Rotterdam	1,350-1,450*	5.66%	▲ 19 Jan 18
Germanium metal MB China domestic, min 99.999%, RMB/kg	10,000-10,200*	4.94%	▲ 17 Jan 18
Hafnium			
Hafnium 1% Zr max, in-warehouse global locations, \$/kg	850-950*	0%	19 Jan 18
Indium			
MB free market \$/kg	270-300*	0.88%	▲ 19 Jan 18
MB China domestic, min 99.99% RMB/kg	1,750-1,850*	4.35%	▲ 17 Jan 18
Indium Corp ingots min 99.97% \$/kg fob	440	-40.94%	▼ 26 Jun 15
Magnesium			
European free market \$ per tonne	2,300-2,400*	0%	19 Jan 18
China free market min 99.8% Mg, fob			
China main ports, \$ per tonne	2,300-2,350*	0.65%	▲ 19 Jan 18
MB Chinese free market min 99% Mg, ex-works RMB/tonne	14,600-14,800*	1.38%	▲ 19 Jan 18
Manganese flake			
MB free market \$/tonne	1,900-2,000*	0.13%	▲ 19 Jan 18
Mercury			
MB free market \$ per flask	2,000-2,500*	21.62%	▲ 19 Jan 18
Rhenium in-warehouse Rotterdam duty paid			
Metal pellets, min 99.9% \$/lb	700-750*	5.84%	▲ 19 Jan 18
APR catalytic grade \$/kg Re	1,450-1,600*	0%	19 Jan 18
Selenium			
MB free market \$/lb	18-19.5*	2.74%	▲ 19 Jan 18
MB China domestic, min 99.9%, RMB/kg	270-300*	2.7%	▲ 19 Jan 18
Selenium dioxide, MB China domestic, min 98%, RMB/kg	180-190*	1.37%	▲ 19 Jan 18
Silicon			
Grade 441, min 99% Si in-warehouse Rotterdam, €/tonne	2,215-2,325*	0%	19 Jan 18
Grade 553, min 98.5% Si in-warehouse Rotterdam, €/tonne	2,150-2,200*	0%	19 Jan 18
US free market cents/lb	140-142*	2.55%	▲ 10 Jan 18
Export from mainland China min 98.5%, \$/tonne fob	1,940-1,980*	2.35%	▲ 19 Jan 18
Tellurium			
MB free market \$/kg	35-50*	0%	19 Jan 18
MB China domestic, min 99.99%, RMB/kg	430-460*	-3.26%	▼ 19 Jan 18
Titanium			
MB free market ferro-titanium 70% (max 4.5% Al) \$/kg Ti d/d Europe	5-5.5*	0.96%	▲ 17 Jan 18
Titanium ores \$/tonne			
Rutile conc min 95% TiO2 bagged, fob/Aus	770-850	0%	18 Jan 18
Rutile bulk conc min 95% TiO2 fob/Aus	710-770	0%	18 Jan 18
Ilmenite bulk conc min 54% TiO2 fob/Aus	160-185	0%	11 Jan 18

† week-on-week change

continued ➤

NOBLE ALLOYS & ORES			
	Price	Change†	Assessed
Molybdenum molybdc oxide			
Europe drummed molybdc oxide \$/lb Mo	11.70-12*	6.04% ▲	19 Jan 18
US canned molybdc oxide \$/lb Mo	11.75-12*	6.5% ▲	18 Jan 18
Ferro-molybdenum			
Basis 65% min, in-warehouse Rotterdam \$/kg Mo	29-29.70*	9.31% ▲	19 Jan 18
US free market 65-70% Mo \$/lb in-warehouse Pittsburgh	12.70-13*	4.68% ▲	18 Jan 18
MB Chinese free market concentrate 45% Mo in-warehouse China RMB/mtu	1,590-1,620*	1.9% ▲	17 Jan 18
Tungsten			
European free market APT \$/mtu	310-318*	0.48% ▲	12 Jan 18
Export from mainland China APT Chinese No1 grade, min 88.5% WO3, S/mtu fob	311-315*	-0.79% ▼	17 Jan 18
MB Chinese free market concentrate 65% WO3 in-warehouse China RMB/tonne	111,000-113,000*-1.75%	▼	17 Jan 18
Ferro-tungsten			
Basis 75% W min \$/kg W in-warehouse Rotterdam duty unpaid	38.90-39.5*	2.22% ▲	19 Jan 18
China export min 75% \$/kg W, fob China	38-39*	0%	17 Jan 18
Vanadium			
Ferro-vanadium basis 78% min, free delivery duty paid consumer plant, 1st grade, Western Europe \$/kg V	58-62*	8.11% ▲	19 Jan 18
US free market ferro-vanadium \$/lb in-warehouse Pittsburgh	26-27.5*	11% ▲	18 Jan 18
Vanadium pentoxide min 98%, in-warehouse Rotterdam \$ per lb V2O5	12.25-12.5*	5.77% ▲	19 Jan 18
Zircon			
Foundry grade bulk \$/tonne fob Australia	950-1,000	0%	18 Jan 18
Premium bulk \$/tonne fob Australia	1,170-1,270	0%	18 Jan 18
BULK ALLOYS			
	Price	Change†	Assessed
Ferro-chrome \$/lb Cr			
China import charge chrome 50% Cr index, cif Shanghai, duty unpaid	0.94*	2.17% ▲	19 Jan 18
Ferro-Chrome European Benchmark Indicator, Lumpy Cr charge basis 52% (and high carbon), \$ per lb	1.31*	7.38% ▲	19 Jan 18
Spot 6-8% C basis 50% Cr delivered duty paid China RMB/tonne	7,700-8,000*	1.95% ▲	19 Jan 18
Contract 6-8% C basis 50% Cr delivered duty paid China RMB/tonne	7,100-7,300*	0%	19 Jan 18
Lumpy Cr charge basis 52% Cr (and high carbon) quarterly	1.18*	-15.11% ▼	01 Jan 18
6-8% C basis 60% Cr max 1.5% Si	1.28-1.40*	3.08% ▲	19 Jan 18
0.10% C average 60-70% Cr	2.23-2.33*	0%	12 Jan 18
European low carbon in-warehouse 0.06% C max - 65% Cr	2.30-2.40*	0%	12 Jan 18
Low phosphorous Cr min 65% C max 7% Si max 1% p max 0.015% Ti max 0.05%	1.35-1.40*	0%	12 Jan 18
Japan import 8-9% C, basis 60% Cr, cif Japan, duty unpaid \$/lb contained chrome	0.95-1.01*	5.38% ▲	18 Jan 18
South Korea import 8-9% C, basis 60% Cr, cif South Korea, duty unpaid \$/lb contained chrome	0.94-1*	2.65% ▲	18 Jan 18
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	1.400-1.480*	0%	18 Jan 18
0.05% C - 65% min Cr	2.30-2.35*	0%	18 Jan 18
0.10% C - 62% min Cr	2.25-2.29*	0.44% ▲	18 Jan 18
0.15% C - 60% min Cr	2.15-2.22*	0%	18 Jan 18

	Price	Change	Assessed
Chrome ore \$/tonne			
<i>Chrome ore cif main Chinese ports</i>			
South African UG2 chrome ore concs, index basis 42%	218*	2.35% ▲	19 Jan 18
Turkish lumpy 40-42% cfr main Chinese ports	310-320*	0%	19 Jan 18
Ferro-manganese			
basis 78% Mn (scale pro rata) standard 7.5% C €/tonne	1,070-1,125*	-0.23% ▼	19 Jan 18
US free market 78% Mn standard 7.5% C \$/long ton in-warehouse Pittsburgh	1,500-1,550*	3.39% ▲	18 Jan 18
US free market medium carbon duty paid fob Pittsburgh, 80% min Mn 1.5% max C \$/lb	1.08-1.10*	0%	18 Jan 18
MB Chinese free market min 65% Mn max 7.0% C in-warehouse China RMB/tonne	7,400-7,600*	-7.98% ▼	19 Jan 18
Manganese ore			
44% Mn, cif Tianjin \$/dmtu of metal contained	6.87*	0.15% ▲	19 Jan 18
37% Mn, fob Port Elizabeth \$/dmtu of metal contained	5.91*	-1.99% ▼	19 Jan 18
Inventories at the main ports of Tianjin and Qinzhou, million tonnes	1.65-1.70*	-9.46% ▼	10 Jan 18
Ferro-nickel			
China premium, 26-32% nickel contained, cif China, \$/tonne	170-350*	48.57% ▲	25 Dec 17
Ferro-silicon			
Lumpy basis 75% Si (scale pro rata) €/tonne	1,680-1,750*	0%	19 Jan 18
US free market \$/lb in-warehouse Pittsburgh lumpy basis 75% Si - imported	1.08-1.12*	0%	18 Jan 18
Export from mainland China, min 75% Si, 7.5% C, \$/tonne, fob	1,600-1,750*	-1.47% ▼	19 Jan 18
MB Chinese free market min 75% Si, in-warehouse China, RMB/tonne	7,500-8,500*	-3.03% ▼	19 Jan 18
Silico-manganese			
Lumpy basis 65-75% Mn basis 15-19% Si (scale pro rata) €/tonne	1,025-1,075*	0%	19 Jan 18
US free market \$/lb in-warehouse Pittsburgh	0.65-0.67*	2.33% ▲	18 Jan 18
MB Chinese free market min 65% Mn max 17% Si in-warehouse China RMB/tonne	8,200-8,500*	3.73% ▲	19 Jan 18
65% min Mn 16% min Si \$/tonne fob India	1,200-1,250*	0%	19 Jan 18

† week-on-week change

continued ➤

CARBONSTEEL - EUROPE

	Price	Change†	Assessed
Northern Europe imports			
<i>Metal Bulletin's appraisal of cfr prices for imported, non-EU origin, commercial-quality carbon steel, € per tonne cfr main EU port</i>			
Rebar	530-535*	0.47% ▲	17 Jan 18
Wire rod (mesh quality)	535-540*	0%	17 Jan 18
Plate (8-40mm)	540-560*	1.85% ▲	17 Jan 18
Hot rolled coil	530-545*	0.47% ▲	17 Jan 18
Cold rolled coil	600-610*	2.54% ▲	17 Jan 18
Hot-dip galvanized coil	670-675*	-0.37% ▼	17 Jan 18

Southern Europe imports

<i>Metal Bulletin's appraisal of cfr prices for imported, non-EU origin, commercial-quality carbon steel, € per tonne cfr main EU port</i>			
Rebar	510-520*	1.98% ▲	17 Jan 18
Wire rod (mesh quality)	520-525*	0%	17 Jan 18
Plate (8-40mm)	530-550*	1.89% ▲	17 Jan 18
Hot rolled coil	530-540*	0.47% ▲	17 Jan 18
Cold rolled coil	610-615*	2.08% ▲	17 Jan 18
Hot-dip galvanized coil	660-670*	-0.75% ▼	17 Jan 18

Southern Europe exports

<i>Metal Bulletin's appraisal of Southern Europe mills' prices for export outside Southern Europe of commercial-quality carbon steel, € per tonne fob main Southern European port</i>			
Rebar	490-510*	2.56% ▲	17 Jan 18
Wire rod (mesh quality)	505-515*	2%	17 Jan 18

Northern Europe domestic

<i>Metal Bulletin's appraisal of prices within the EU (excluding the UK) for commercial-quality carbon steel of EU origin, € per tonne delivered basis point</i>			
Rebar	550-570*	0.9% ▲	17 Jan 18
Wire rod (mesh quality)	545-565*	0%	17 Jan 18
Sections (medium)	640-660*	0%	17 Jan 18
Beams	620-650*	0.79% ▲	17 Jan 18

Southern Europe domestic

<i>Metal Bulletin's appraisal of prices within the EU (excluding the UK) for commercial-quality carbon steel of EU origin, € per tonne delivered basis point</i>			
Rebar	530-550*	2.86% ▲	17 Jan 18
Wire rod (mesh quality)	520-550*	2.39% ▲	17 Jan 18
Sections (medium)	610-645*	-0.79% ▼	17 Jan 18
Beams	620-650*	0.79% ▲	17 Jan 18

Central Europe domestic € per tonne ex-works

Hot rolled coil	520-530*	0%	17 Jan 18
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Poland domestic zloty per tonne ex-works

Rebar	2,320-2,350*	2.86% ▲	19 Jan 18
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Northern Europe € per tonne ex-works

Plate (8-40mm)	580-590*	0.86% ▲	17 Jan 18
Hot rolled coil	540-550*	0%	17 Jan 18
Cold rolled coil	610-640*	0%	17 Jan 18
Hot-dip galvanized coil	650-680*	0%	17 Jan 18

Southern Europe € per tonne ex-works

Plate (8-40mm)	550-560*	4.72% ▲	17 Jan 18
Hot rolled coil	520-540*	0.47% ▲	17 Jan 18
Cold rolled coil	600-630*	1.65% ▲	17 Jan 18
Hot-dip galvanized coil	610-640*	0%	17 Jan 18

CARBONSTEEL - NORTH AFRICA

	Price	Change†	Assessed
Algeria imports			
<i>Metal Bulletin's appraisal of cfr prices for imported, EU origin, commercial-quality carbon steel, € per tonne cfr main port</i>			
Rebar	515-525*	4.52% ▲	17 Jan 18

CARBONSTEEL - CIS

	Price	Change†	Assessed
CIS exports (Black Sea)			
<i>Metal Bulletin's appraisal 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	520*	1.17% ▲	15 Jan 18
Slab	530-535*	4.93% ▲	15 Jan 18
Rebar	560-565*	1.81% ▲	15 Jan 18
Wire rod (mesh)	580-585*	2.19% ▲	15 Jan 18
Heavy plate (10-50mm)	590-640*	5.13% ▲	15 Jan 18
Hot rolled coil	570-595*	6.39% ▲	15 Jan 18
Cold rolled coil	605-640*	2.47% ▲	15 Jan 18

CIS domestic

<i>Metal Bulletin's appraisal of prices within Russia for commercial-quality carbon steel of CIS origin, rubles per tonne, carriage paid to (cpt) inc VAT</i>			
Rebar	35,000-35,500*	8.46% ▲	15 Jan 18
Hot rolled sheet	40,000-40,500*	5.23% ▲	15 Jan 18
Cold rolled sheet	47,000-47,500*	10.72% ▲	15 Jan 18
Plate	42,000-42,500*	9.03% ▲	15 Jan 18

CARBONSTEEL - MIDDLE EAST

	Price	Change†	Assessed
Turkish exports			
<i>Metal Bulletin's appraisal of Turkish mills' prices for export of commercial-quality carbon steel, \$ per tonne fob main Turkish port</i>			
Billet	540-545*	-0.91% ▼	18 Jan 18
Rebar	565-570*	-2.16% ▼	18 Jan 18
Wire rod (mesh quality)	580-585*	-0.43% ▼	18 Jan 18
Merchant bars	590-600*	0%	18 Jan 18
Structural pipe	670-680*	4.65% ▲	10 Jan 18
Hot rolled coil	610-625*	2.07% ▲	19 Jan 18

Turkish domestic

<i>Metal Bulletin's appraisal of prices within Turkey for commercial-quality carbon steel of Turkish origin, \$ per tonne ex-works</i>			
Billet	540-545*	-0.91% ▼	18 Jan 18
Rebar	570-575*	0.26% ▲	18 Jan 18
Wire rod (mesh quality)	600-605*	0.67% ▲	18 Jan 18
Hot rolled coil	620-630*	0%	19 Jan 18
Cold rolled coil	690-700*	0.36% ▲	19 Jan 18
Hot dip galvanized	795-800*	0%	19 Jan 18
Prepainted galvanized	865-870*	0%	19 Jan 18

Turkish imports

<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr main Turkish port</i>			
Billet	520-530*	-0.47% ▼	18 Jan 18
Hot rolled coil	595-600*	-2.05% ▼	19 Jan 18
Cold rolled coil	650-655*	-1.51% ▼	19 Jan 18

UAE imports

<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr Jebel Ali</i>			
Billet	520-522*	-1.04% ▼	16 Jan 18
Rebar	565-570*	0%	16 Jan 18
Hot rolled coil	580-590*	-4.1% ▼	16 Jan 18
Cold rolled coil	630-640*	-6.62% ▼	16 Jan 18
Hot dip galvanized coil	740-750*	-1.97% ▼	16 Jan 18

Saudi Arabia imports

<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr</i>			
Rebar	560-565*	0%	16 Jan 18
Hot rolled coil	615-620*	0.82% ▲	16 Jan 18

† week-on-week change

continued ➤

	Price	Change	Assessed
UAE domestic			
<i>Metal Bulletin's appraisal of prices within UAE for commercial-quality carbon steel of UAE origin, dirhams per tonne ex-works</i>			
Rebar	2,332-2,340*	4.05% ▲	16 Jan 18
Iran imports			
<i>Metal Bulletin's appraisal of prices quoted by overseas suppliers for commercial-quality carbon steel to Iranian buyers, \$ per tonne cfr Iranian northern ports</i>			
Cold rolled coil	595-640*	0%	17 Jan 18
Hot rolled coil	565-600*	0%	17 Jan 18
Hot dip galvanized coil	640-685*	0%	13 Dec 17
Egyptian domestic			
<i>Metal Bulletin's appraisal of prices within Egypt for commercial-quality carbon steel of Egyptian origin, EE per tonne ex-works</i>			
Rebar	11,950-11,980*	0%	18 Jan 18
Egyptian import			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr main port</i>			
Billet	510-530*	-4.15% ▼	18 Jan 18

CARBONSTEEL - LATIN AMERICA

	Price	Change†	Assessed
Latin American exports			
<i>Metal Bulletin's appraisal 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	510-520*	0%	19 Jan 18
Slab, Brazil	530-540*	3.88% ▲	19 Jan 18
Rebar	560-565*	0%	19 Jan 18
Wire rod mesh quality	560-565*	0%	19 Jan 18
Heavy plate over 10mm	570-575*	0%	19 Jan 18
Hot rolled coil (dry)	570-580*	0%	19 Jan 18
Cold rolled coil	670-685*	0%	19 Jan 18
Galvanized coil	800-810*	0%	19 Jan 18
South America imports			
<i>Metal Bulletin's appraisal of cfr prices for imported, commercial-quality carbon steel, \$ per tonne cfr main ports</i>			
Plate	600-610*	0%	19 Jan 18
Hot rolled coil	610-615*	-0.81% ▼	19 Jan 18
Cold rolled coil	650-660*	-0.76% ▼	19 Jan 18
Galvanized coil	715-720*	-0.35% ▼	19 Jan 18
Argentina domestic \$ per tonne ex-works			
<i>Metal Bulletin's appraisal of prices within Argentina for commercial-quality carbon steel, \$ per tonne</i>			
Hot rolled coil	720-735*	1.75% ▲	05 Jan 18
Cold rolled coil	840-845*	1.51% ▲	05 Jan 18
Galvanized coil	1,070-1,170*	2.28% ▲	05 Jan 18
Rebar	840-850*	0%	05 Jan 18
Brazil domestic			
<i>Metal Bulletin's appraisal of prices within Brazil for commercial-quality carbon steel, Reais per tonne ex-works</i>			
Hot rolled coil	2,300-2,400*	-34.81% ▼	05 Jan 18
Cold rolled coil	2,600-2,700*	-29.43% ▼	05 Jan 18
Hot dip galvanized coil	2,800-3,040*	-26.08% ▼	05 Jan 18
<i>Metal Bulletin's appraisal of prices within Brazil for commercial-quality carbon steel, Reais per tonne delivered</i>			
Rebar	2,200-2,400*	-36.02% ▼	05 Jan 18

CARBONSTEEL - NAFTA

	Price	Change†	Assessed
US imports			
<i>Metal Bulletin's appraisal of prices for imported, non-Nafta origin, commercial-quality carbon steel, \$ per short ton cfr port Houston</i>			
Rebar	562-576*	-1.9% ▼	17 Jan 18
Merchant bars	600-640*	0%	29 Dec 17
Wire rod (low carbon)	572-600*	-0.76% ▼	10 Jan 18
Medium sections	600-635*	0%	28 Dec 17
Medium plate	625-630*	0%	10 Jan 18
Hot rolled coil (commodity)	630-670*	10.17% ▲	10 Jan 18
Cold rolled coil	720-760*	5.71% ▲	10 Jan 18
Hot dipped galvanized 0.012-0.015, G30	900-965*	0%	10 Jan 18
ERW linepipe (X42)	810-830*	1.23% ▲	26 Dec 17
CTG API5CT - casing J55	815-850*	-1.19% ▼	26 Dec 17
US domestic			
<i>AMM's appraisal 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)	620-640*	6.78% ▲	17 Jan 18
Wire rod (mesh quality fob mill)	600-600*	0%	10 Jan 18
Plate (fob mill)	710-710*	2.9% ▲	12 Jan 18
Hot rolled sheet index (fob mill)	706-706*	3.94% ▲	18 Jan 18
Cold rolled sheet (fob mill)	880-880*	2.33% ▲	18 Jan 18
Hot-dip galvanized (base) Midwest (fob mill)	860-860*	1.18% ▲	18 Jan 18
OCTG API5CT - casing J55 (fob mill)	925-975*	-2.56% ▼	26 Dec 17
<i>AMM's appraisal 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)	30.25-30.25*	0%	29 Dec 17

CARBONSTEEL - ASIA

	Price	Change†	Assessed
China exports			
<i>Metal Bulletin's appraisal of Chinese mills prices for export of commercial-quality carbon steel, \$ per tonne fob main China port</i>			
Rebar index	561-561*	0.8% ▲	19 Jan 18
Wire rod (mesh quality)	550-570*	-1.32% ▼	16 Jan 18
Heavy plate	555-560*	-1.76% ▼	16 Jan 18
Hot rolled coil index	569-569*	-0.19% ▼	19 Jan 18
Cold rolled coil	610-615*	-0.81% ▼	16 Jan 18
Galvanized coil 1mm	670-675*	-0.37% ▼	16 Jan 18
Eastern China domestic			
<i>Metal Bulletin's appraisal of prices in eastern China for commercial-quality carbon steel of Chinese origin, yuan per tonne ex-warehouse</i>			
Rebar	3,800-3,850*	0.53% ▲	19 Jan 18
Wire rod (mesh)	3,880-3,920*	-1.27% ▼	19 Jan 18
Sections	4,080-4,120*	-0.12% ▼	19 Jan 18
Plate	4,020-4,050*	-1.22% ▼	19 Jan 18
Hot rolled coil (min 2mm)	4,040-4,080*	-2.87% ▼	19 Jan 18
Cold rolled coil (0.5 - 2 mm)	4,700-4,750*	-1.36% ▼	19 Jan 18
Hot-dip galvanized coil	4,900-4,950*	-3.34% ▼	19 Jan 18
Northern China domestic			
<i>Metal Bulletin's appraisal 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*	-0.84% ▼	19 Jan 18
<i>Metal Bulletin's appraisal of prices in northern China for commercial-quality carbon steel of Chinese origin, yuan per tonne ex-warehouse</i>			
Hot rolled coil	3,920-3,960*	-2.23% ▼	19 Jan 18
Rebar	3,750-3,820*	-2.32% ▼	19 Jan 18

† week-on-week change

continued ➤

	Price	Change	Assessed
Southern China domestic			
<i>Metal Bulletin's appraisal of prices in southern China for commercial-quality carbon steel of Chinese origin, yuan per tonne ex-warehouse</i>			
Rebar	4,100-4,160*	-0.48% ▼	19 Jan 18
Wire rod (mesh)	4,000-4,050*	-0.62% ▼	19 Jan 18
Sections	4,230-4,250*	-0.82% ▼	19 Jan 18
Plate	4,130-4,180*	-2.81% ▼	19 Jan 18
Hot rolled coil (min 2mm)	4,120-4,150*	-1.43% ▼	19 Jan 18
Cold rolled coil (0.5 - 2 mm)	4,640-4,680*	-2.92% ▼	19 Jan 18
Hot-dip galvanized coil	5,100-5,150*	-0.1% ▼	19 Jan 18
Southeast Asia imports			
<i>Metal Bulletin's appraisal of prices in Southeast Asia for commercial-quality carbon steel \$ per tonne cfr</i>			
Billet	530-545*	-0.46% ▼	15 Jan 18
Slab (Asia/East Asia)	520-535*	1.93% ▲	15 Jan 18
Hot rolled coil (Vietnam)	575-585*	0.87% ▲	15 Jan 18
Rebar (Singapore)	555-565*	-2.61% ▼	15 Jan 18
Wire rod (low carbon)	570-580*	-3.36% ▼	15 Jan 18
Indian exports			
<i>Metal Bulletin's appraisal of Indian mills' prices for export of commercial-quality carbon steel, \$ per tonne fob main India port</i>			
Billet	505-515*	-0.97% ▼	19 Jan 18
Plate (12-40mm)	560-575*	1.79% ▲	19 Jan 18
Hot rolled coil (commodity)	620-625*	0%	19 Jan 18
Hot-dip galvanized coil	785-800*	0%	19 Jan 18
Indian imports			
<i>Metal Bulletin's appraisal of prices for imported, non-EU origin, commercial-quality carbon steel, \$ per tonne cfr main India port</i>			
Plate (20-60mm)	595-610*	-0.41% ▼	19 Jan 18
Hot rolled coil (commodity)	630-635*	-0.39% ▼	19 Jan 18
Hot rolled coil (CR grade)	570-585*	2.67% ▲	19 Jan 18
Cold rolled	570-575*	0%	19 Jan 18
Indian domestic			
<i>Metal Bulletin's appraisal of prices within India for commercial-quality carbon steel, rupees per tonne ex-works</i>			
Billet	32,300-32,500*	1.25% ▲	19 Jan 18
Heavy plate	40,000-40,500*	0%	19 Jan 18
Hot rolled coil	41,750-42,250*	0%	19 Jan 18
Cold rolled coil	46,500-47,000*	0%	19 Jan 18
DRI	21,500-21,700*	1.89% ▲	19 Jan 18
Hot-dip galvanized coil	51,000-51,500*	0%	19 Jan 18
Rebar	34,300-34,500*	1.18% ▲	19 Jan 18

STEELBENCHMARKER™ PRICES

	Price	Change†	Assessed
Region: USA east of the Mississippi			
Standard plate (\$/metric tonne)	807	2.67% ▲	08 Jan 18
Standard plate (\$/short ton)	732	2.66% ▲	08 Jan 18
Hot rolled coil (\$/metric tonne)	726	3.27% ▲	08 Jan 18
Hot rolled coil (\$/short ton)	658	3.13% ▲	08 Jan 18
Cold rolled coil (\$/metric tonne)	906	0.55% ▲	08 Jan 18
Cold rolled coil (\$/short ton)	822	0.61% ▲	08 Jan 18
Region: Mainland China			
Rebar	531	-9.54% ▼	08 Jan 18
Standard plate	545	-1.09% ▼	08 Jan 18
Hot rolled coil	549	-1.61% ▼	08 Jan 18
Cold rolled coil	644	0.47% ▲	08 Jan 18
Region: World export market			
Hot rolled coil (\$/metric tonne)	578	0%	08 Jan 18

STAINLESS STEEL

	Price	Change†	Assessed
Asia import			
\$ /tonne cif East Asian port			
Grade 304 2mm CR coil 2B	2,150-2,210*	1.87% ▲	17 Jan 18
Grade 304 HR sheet	2,010-2,100*	-0.96% ▼	17 Jan 18
China domestic			
yuan/tonne, in-warehouse			
Grade 304 2mm CR coil	14,500-15,200*	-1.33% ▼	18 Jan 18
Grade 430 2mm CR coil	9,600-9,700*	0%	18 Jan 18
EU export			
€/tonne fob N.European port			
Min 100 tonne lot			
Grade 304 2mm CR sheet	2,300-2,421*	0%	19 Jan 18
EU domestic			
2mm 304 cold rolled stainless steel, €/tonne			
N.Europe Base price	1,060-1,120*	0%	19 Jan 18
Alloy surcharge	1,240-1,301*	0%	19 Jan 18
2mm 316 cold rolled stainless steel, €/tonne			
Base price	1,345-1,430*	-0.54% ▼	19 Jan 18
Alloy surcharge	1,768-1,864*	0%	19 Jan 18
304 stainless steel bright bar, €/tonne			
Base price	990-1,040*	-0.49% ▼	19 Jan 18
Alloy surcharge	1,530-1,580*	0%	19 Jan 18
US domestic			
AMM's appraisal of prices within the USA for commercial-quality stainless steel of US or Canadian origin, \$ per hundredweight, fob			
Grade 304 coiled plate	107-107*	-3.17% ▼	10 Jan 18
Grade 316 coiled plate	143-143*	-2.73% ▼	10 Jan 18
Grade 304 cold rolled sheet	122-122*	-2.8% ▼	10 Jan 18
Grade 316L cold rolled sheet	156-156*	-2.5% ▼	10 Jan 18
Raw materials index			
EU domestic stainless steel \$ per tonne			
304 Europe raw materials index	1,438.02*	1.01% ▲	15 Jan 18

CHINA IRON ORE

<i>cfr main China port \$ per dry metric tonne</i>			
	Price	Change†	Assessed
Iron ore index (62% Fe)	76.75*	-1.67% ▼	19 Jan 18
Iron ore pellet index cfr Qingdao (65% Fe)	120.26*	-0.07% ▼	19 Jan 18
Iron ore concentrate index cfr Qingdao (66% Fe)	96.82*	-3.98% ▼	19 Jan 18
Metal Bulletin Indicator for US\$/% Fe in iron ore fines cfr Qingdao	1.08*	10.2% ▲	02 Jan 18

IRAN IRON ORE

<i>cfr China US \$ per tonne</i>			
	Price	Change†	Assessed
Iron ore fines index (60% Fe)	66.87-66.87*	3.1% ▲	03 Jan 18

COKING COAL

<i>\$ per metric tonne</i>			
	Price	Change†	Assessed
Premium hard coking coal cfr China	212.66-212.66*	0.69% ▲	19 Jan 18
Hard coking coal cfr China	192.59-192.59*	1.26% ▲	19 Jan 18
Premium hard coking coal fob Australia	232.13-232.13*	-10.3% ▼	19 Jan 18
Hard coking coal fob Australia	187.29-187.29*	-0.23% ▼	19 Jan 18
China hard coking coal Shanxi spot market domestic delivered yuan/tonne	1,495-1,850*	0%	19 Jan 18
65% CSR coke \$/tonne fob Tianjin	350-360*	-2.07% ▼	16 Jan 18

† week-on-week change

continued >

FERROUS SCRAP				
	Price	Change†		Assessed
UK ferrous scrap domestic				
<i>The following is Metal Bulletin'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>				
<i>£/tonne</i>				
Cut grades				
OA plate and structural	210-235*	9.88%	▲	16 Jan 18
1&2 old steel	190-215*	10.96%	▲	16 Jan 18
12A/C new production heavy and shovellable steel	215-240*	7.06%	▲	16 Jan 18
12D new production heavy and shovellable steel	220-245*	6.9%	▲	16 Jan 18
Bales and cuttings				
4A new steel bales	220-245*	6.9%	▲	16 Jan 18
4C new steel bales	210-235*	7.23%	▲	16 Jan 18
8A new loose light cuttings	205-235*	7.32%	▲	16 Jan 18
8B new loose light cuttings	190-220*	7.89%	▲	16 Jan 18
Turnings				
UK inter-merchant 7B heavy steel turnings	165-185*	9.38%	▲	16 Jan 18
Cast iron				
9A/10 heavy and light cast iron	190-215*	8%	▲	16 Jan 18
9B/C cylinder block scrap	210-235*	7.23%	▲	16 Jan 18
11A cast iron borings	130-150*	12%	▲	16 Jan 18
<i>Prices relate to new UK scrap specifications</i>				
<i>Please see MB.com for full explanation of price changes</i>				
UK intermerchant weekly price				
<i>£/tonne</i>				
5C loose old light	110-135*	-3.92%	▼	19 Jan 18
UK ferrous scrap export				
<i>MB assessment \$ fob main UK port</i>				
HMS 1&2 (80:20 mix)	336-338*	-4.26%	▼	19 Jan 18
Shredded	341-343*	-4.2%	▼	19 Jan 18
Indian imports				
<i>MB assessment \$/tonne cfr Nhava Sheva</i>				
MB index cfr India shredded	371.63*	-2.32%	▼	19 Jan 18
HMS 1&2 (80:20 mix)	330-345*	-2.17%	▼	19 Jan 18
Alloy steel scrap domestic				
<i>UK wholesale merchants' stainless (£/tonne)</i>				
18/8 solids	900-940*	-5.15%	▼	19 Jan 18
18/8 turnings	765-800*	-5.15%	▼	19 Jan 18
12-13% Cr solids	230-250*	0%		19 Jan 18
16-17% Cr solids	240-280*	0%		19 Jan 18
Cif Europe stainless € per tonne				
18/8 solids	1,100-1,120*	-0.89%	▼	19 Jan 18
18/8 turnings	990-1,010*	-0.74%	▼	19 Jan 18
Rotterdam export				
<i>MB assessment \$/tonne fob Rotterdam</i>				
MB index fob Rotterdam HMS 1&2 (80:20)	345.17*	-0.79%	▼	19 Jan 18
HMS 1&2 (70:30 mix)	328-330*	-3.52%	▼	19 Jan 18
Shredded	338-340*	-3.42%	▼	19 Jan 18
Turkish import				
<i>MB assessment \$/tonne cfr main Turkish ports</i>				
MB index cfr Turkey HMS 1&2 (80:20) (North Europe material)	352.89*	-3.84%	▼	19 Jan 18
MB index cfr Turkey HMS 1&2 (80:20) (United States material)	363.11*	-4.07%	▼	19 Jan 18
HMS 1&2 (75:25 mix)	347-349*	-3.33%	▼	19 Jan 18
Shredded	358-365*	-4.99%	▼	19 Jan 18

	Price	Change		Assessed
Turkish domestic				
<i>MB assessment delivered</i>				
Melting scrap from shipbreaking (\$/tonne)	365-365*	1.25%	▲	15 Jan 18
Auto bundle scrap (Turkish lira/tonne)	1,260-1,400*	2.31%	▲	15 Jan 18
USA export				
<i>AMM ferrous scrap export index \$/tonne East Coast fob New York</i>				
HMS 1&2 (80:20)	347*	0%		17 Jan 18
Shredded	352*	0%		17 Jan 18
USA domestic				
<i>AMM Midwest index \$/gross ton delivered mill</i>				
No1 heavy melting scrap	308.13*	12.1%	▲	10 Jan 18
No1 busheling	370.29*	6.52%	▲	10 Jan 18
Shredded	329.55*	10.96%	▲	10 Jan 18
China domestic				
<i>yuan/tonne delivered mill</i>				
Heavy scrap	2,300-2,530*	-6.21%	▼	19 Jan 18
Taiwan import				
<i>\$/tonne cfr main port</i>				
HMS 1&2 (80:20 mix) (USA material)	348-360*	-0.28%	▼	19 Jan 18
Germany domestic				
<i>€/tonne composite sales price ex-yard, source: BDSV</i>				
No E2/8 (new steel scrap)	262.60	6.53%	▲	01 Dec 17
No E1 (old steel scrap)	240	7.33%	▲	01 Dec 17
No E3 (old thick steel scrap)	261.5	6.17%	▲	01 Dec 17
No E40 (shredded steel scrap)	262.20	4.63%	▲	01 Dec 17
No E5 (steel turnings)	214.40	4.89%	▲	01 Dec 17
<i>MB assessment €/tonne delivered at mill</i>				
Grade E40 (shredded steel scrap)	285-295	2.65%	▲	12 Jan 18
No E8 (thin new production steel scrap)	285-290	2.68%	▲	12 Jan 18
No E3 (old thick scrap)	280-295	3.6%	▲	12 Jan 18
Italy domestic				
<i>MB assessment €/tonne delivered at mill</i>				
No E3 (old thick scrap)	290	5.26%	▲	12 Jan 18
No E8 (thin new production steel)	315	4.07%	▲	12 Jan 18

SCRAP SUBSTITUTES

	Price	Change†		Assessed
EU imports \$/tonne				
Pig iron imports cif Italy	400-405*	0%		18 Jan 18
Latin American exports \$/tonne, delivery terms as stated				
Hot briquetted iron Venezuela	225-230*	0%		19 Jan 18
Pig iron fob Vitoria/Rio	370-375*	2.05%	▲	19 Jan 18
Pig iron fob Ponta da Maderia	390-395*	1.29%	▲	19 Jan 18
US imports \$/tonne cfr Gulf of Mexico				
Pig iron	400-405*	1.26%	▲	19 Jan 18
CIS exports \$/tonne fob main port				
Pig iron Baltic Sea	395-400*	0.63%	▲	18 Jan 18
Pig iron Black Sea	360-380*	-1.33%	▼	18 Jan 18
China domestic yuan/tonne delivered warehouse				
Pig iron	3,000-3,050*	-3.2%	▼	19 Jan 18

† week-on-week change

continued ➤

NON-FERROUS SCRAP EUROPE

	Price	Change†	Assessed
Aluminium			
European free market MB assessment €/tonne			
Floated frag	1,300-1,330*	0.38% ▲	19 Jan 18
Cast	1,200-1,270*	0.41% ▲	19 Jan 18
Mixed turnings 6%	1,130-1,175*	0.22% ▲	19 Jan 18
Germany per 1000kg			
Pure cuttings	1,370-1,470	-1.73% ▼	17 Jan 18
Commercial cast	1,230-1,350	1.18% ▲	17 Jan 18
H9 extrusions	1,750-1,800	-1.11% ▼	17 Jan 18
Alloy turnings	1,070-1,150	-0.45% ▼	17 Jan 18
<i>Source: VDM</i>			
France per 1000kg			
Pure cuttings	1,640-1,650	-0.3% ▼	16 Jan 18
Old rolled	800-830	1.24% ▲	16 Jan 18
Commercial cast	1,000-1,020	0%	16 Jan 18
<i>Source: Lettre d'Information Metaux</i>			
Italy per 1000kg			
Pure cuttings	1,125-1,225	0.43% ▲	12 Jan 18
Old mixed scrap	1,495-1,595	0.65% ▲	12 Jan 18
Commercial cast	1,035-1,085	0.47% ▲	12 Jan 18
<i>Source: Assomet</i>			
Copper			
Germany per 1000kg			
Copper wire (berry)	5,500-5,590	-3.48% ▼	17 Jan 18
Heavy copper	4,920-5,060	-3.85% ▼	17 Jan 18
Heavy brass	3,490-3,550	-2.76% ▼	17 Jan 18
Brass turnings (MS 58)	3,940-4,060	-2.2% ▼	17 Jan 18
Brass sheet (MS 63)	4,120-4,250	-1.88% ▼	17 Jan 18
<i>Source: Verein Deutscher Metallhandler</i>			
France per 1000kg			
Electro cuttings	5,200-5,250	-1.79% ▼	16 Jan 18
No 1 bright wire	4,800-4,850	-1.83% ▼	16 Jan 18
Mixed (96%)	4,700-4,760	-2.17% ▼	16 Jan 18
Brass plate cuttings 70/30	3,950-4,000	-1.24% ▼	16 Jan 18
Brass turnings	3,400-3,450	0%	16 Jan 18
Mixed brass	3,350-3,400	0%	16 Jan 18
<i>Source: Lettre d'Information Metaux</i>			
Italy per 1000kg			
Electrolytic dd EN 12861-S-Cu-2	5,525-5,685	-1.84% ▼	12 Jan 18
Enamelled wire EN 12861-S-Cu-3	5,360-5,522	-1.89% ▼	12 Jan 18
New from tubes, strips etc EN 12861-S-Cu-4	5,415-5,643	-1.86% ▼	12 Jan 18
Old from tubes, strips etc 12861-S-Cu-7	5,200-5,370	-1.95% ▼	12 Jan 18
EN12861-S-Cu-Zn-1-A-Cu 63.5%	4,477-4,562	-1.55% ▼	12 Jan 18
Mixed from valves/taps EN 12861-S-Cu-Zn-6	3,655-3,985	-1.8% ▼	12 Jan 18
Several 95% m/m 12861-S-Cu-Zn-7	3,735-3,813	-1.82% ▼	12 Jan 18
<i>Source: Assomet</i>			

STEEL BENCHMARKER™ SCRAP PRICES

	Price	Change†	Assessed
Region: USA, east of the Mississippi			
Shredded scrap (\$/metric tonne) **	339	4.31% ▲	08 Jan 18
Shredded scrap (\$/gross ton) **	345	4.55% ▲	08 Jan 18
No 1 heavy melting scrap (\$/metric tonne)	305	7.02% ▲	08 Jan 18
No 1 heavy melting scrap (\$/gross ton)	310	6.9% ▲	08 Jan 18
No 1 busheling scrap (\$/metric tonne)	379	3.84% ▲	08 Jan 18
No 1 busheling scrap (\$/gross ton)	385	3.77% ▲	08 Jan 18
**For shredded scrap the region is for all but the West Coast			

UK NON-FERROUS SCRAP

	Price	Change†	Assessed
Aluminium - actual price			
£ per tonne			
Group 1 pure 99% & Litho	1,420-1,470*	0.17% ▲	17 Jan 18
Commercial pure cuttings	1,180-1,230*	0%	17 Jan 18
Clean HE9 extrusions	1,410-1,460*	0%	17 Jan 18
Loose old rolled cuttings	880-920*	0%	17 Jan 18
Baled old rolled	950-970*	0%	17 Jan 18
Commercial cast	1,030-1,080*	0%	17 Jan 18
Cast wheels	1,270-1,300*	0%	17 Jan 18
Commercial turnings	700-750*	0%	17 Jan 18
Group 7 turnings	610-650*	0%	17 Jan 18

MB and LME aluminium scrap discounts

£ per tonne			
Group 1 pure 99% & Litho	134-184*	-6.19% ▼	17 Jan 18
Commercial pure cuttings	374-424*	-1.97% ▼	17 Jan 18
Clean HE9 extrusions	144-194*	-4.52% ▼	17 Jan 18
Loose old rolled cuttings	452-492*	-4.45% ▼	17 Jan 18
Baled old rolled	402-422*	-5.07% ▼	17 Jan 18
Commercial cast	292-342*	-6.49% ▼	17 Jan 18
Cast wheels	72-102*	-20.18% ▼	17 Jan 18
Commercial turnings	587-672*	-1.72% ▼	17 Jan 18
Group 7 turnings	722-762*	-2.88% ▼	17 Jan 18

Titanium

\$/lb cif			
Turnings, unprocessed type 90/6/4 (0.5% Sn max)	1-1.05*	0%	17 Jan 18
Turnings, unprocessed 90/6/4 (over 0.5% max 2% Sn)	0.90-0.95*	0%	17 Jan 18

Copper scrap discount

cents/lb			
No 2 copper (birch/cliff) imported into China 94-96% cif China	32-33*	0%	25 Dec 17

† week-on-week change

continued ➤

NON-FERROUS FOUNDRY INGOTS

	Price	Change ¹	Assessed
Aluminium UK £/tonne			
MB free market			
LM24 pressure diecasting ingot	1,615-1,665*	0.31% ▲	17 Jan 18
LM6/LM25 gravity diecasting ingot	1,805-1,855*	0.14% ▲	17 Jan 18
NB: prices expressed delivered consumer works, LM series as specified in BS1490			
Aluminium Europe			
MB free market			
Duty paid delivered works pressure diecasting ingot price (DIN226/A380) - €/tonne	1,810-1,860*	0.55% ▲	19 Jan 18
Aluminum US \$/lb delivered Midwest			
A380.1 alloy	0.97-0.99*	0%	18 Jan 18
AFFIMET €/tonne			
AS12	3,739	0%	01 Jan 18
AS12 UN	2,920	22.95% ▲	01 Jan 18
AS9 U3	2,295	1.77% ▲	01 Jan 18
AS5 U3	2,645	1.54% ▲	01 Jan 18
Reflects generally larger traded lots			
VDM €/1000 kg delivered			
DIN 226	2,420-2,520	0%	17 Jan 18
DIN 231	2,500-2,600	0%	17 Jan 18
DIN 311	2,480-2,580	0%	17 Jan 18
Aluminium bronze £/tonne UK			
AB1 ex-works	5,100	-1.92% ▼	16 Jan 18
AB2 ex-works	5,150	-1.9% ▼	16 Jan 18
Source: C.F. Booth Ltd			
Brass UK £/tonne			
SCB3 ex-works	4,150	-1.66% ▼	16 Jan 18
High tensile HTB1 ex-works	4,450	-1.55% ▼	16 Jan 18
Source: C.F. Booth Ltd			
Gunmetal UK £/tonne			
LG2 85/5/5/5 ex-works	4,840	-2.02% ▼	16 Jan 18
LG4 87/7/3/3 ex-works	5,440	-1.81% ▼	16 Jan 18
G1 1.15 PB ex-works	6,180	-1.59% ▼	16 Jan 18
Source: C.F. Booth Ltd			
Phosphor bronze UK £/tonne			
PB1 ex-works	6,650	-1.48% ▼	16 Jan 18
Source: C.F. Booth Ltd			
Phosphor copper £/tonne			
10% P ex-works	6,300	-1.56% ▼	16 Jan 18
15% P ex-works	6,350	-1.55% ▼	16 Jan 18
Source: C.F. Booth Ltd			
Zinc alloys UK £/tonne			
Brock Metal Co contract alloy price (delivered UK)			
Brock Metal ZL3	3,062	4.4% ▲	01 Jan 18
Brock Metal ZL5	3,091	4.43% ▲	01 Jan 18

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BASE METALS

	Low	High
Aluminium		
Aluminium P1020A, in-warehouse Rotterdam premium, duty unpaid, spot \$/tonne	90.63	97.42
Aluminium P1020A, in-warehouse Rotterdam duty paid, spot \$/tonne	158	165
Alumina		
Index fob Australia	411.01	
Copper		
US High-grade cathode premium indicator, \$/tonne	115.74	126.77
Nickel		
Free market in warehouse premium		
Europe \$/tonne		
Uncut cathodes	200	250
4x4 cathodes	325	400
Briquettes	272.5	302.5
US		
Melting \$/lb	0.25	0.31
Tin		
European free market		
Spot Premium 99.9%, \$/tonne	292.5	342.5
Spot premium 99.85%, \$/tonne	282.5	303.75
Kuala Lumpur (ex-smelter), \$/tonne	19,367.89	

MINOR METALS

Antimony		
MB free market Regulus 99.65%, max Se 50ppm, in warehouse, \$/tonne	8,000	8,322.22
MMTA Standard grade II, \$/tonne	8,000	8,322.22
Bismuth		
MB free market min. 99.99%, tonne lots, in warehouse, \$/lb	5.10	5.40
Cadmium		
MB free market		
min 99.95%, in warehouse, cents/lb	98	106
min 99.99%, in warehouse cents/lb	100	109
Cobalt		
MB free market		
High Grade, in warehouse, \$/lb	34.33	36.08
Low Grade, in warehouse, \$/lb	33.52	35.33
Germanium Dioxide		
MB free market min 99.99%, \$/kg	733.89	813.89
Rotterdam, \$/kg	1,161.11	1,311.11
Indium		
MB free market ingots, min 99.97%, in warehouse, \$/kg	248.33	271.11
Magnesium		
MB free market min 99.8%, \$/tonne	2,270	2,370
China free market min 99.8%, \$/tonne	2,340	2,384
Mercury		
MB free market min 99.99%, in warehouse, \$/flask	1,600	1,700

	Low	High
Selenium		
MB free market min 99.5% in warehouse, \$/lb	17.5	18.96
Silicon		
Grade 441, min 99% Si in-warehouse Rotterdam, €/tonne	2,215	2,325
Titanium		
Ferro-Titanium, 70% (max 4.5% Al), d/d Europe, \$/kg	4.85	5.60

ORES & ALLOYS

	Low	High
Molybdenum		
Free market in warehouse Europe drummed molybdic oxide \$/lb Mo	9.37	9.51
US canned molybdic oxide \$/lb Mo	9.43	9.64
Ferro-molybdenum		
basis 65% min, in-warehouse Rotterdam, \$/kg Mo	23.27	23.94
Tungsten		
European free market APT, \$/mtu	293.40	300.40
Ferro-tungsten		
basis 75% W min, \$/kg	36.92	37.88
Vanadium		
min 98%, in-warehouse Rotterdam, V2O5, \$/lb	9.10	9.57
Ferro-vanadium		
basis 78% min, free delivery duty paid consumer plant, 1st grade Western Europe, \$/kg V	42.56	43.67
US Free market 70-80%, \$/lb	20.24	21

PRECIOUS METALS

Gold		
London \$/troy oz	Morning	1,265.67
	Afternoon	1,261.26
London £/troy oz	Morning	944.14
	Afternoon	941.20
\$/troy oz	Handy/Harman	1,264.45
Palladium		
Morning \$/troy oz	1,020.58	
Afternoon \$/troy oz	1,018.71	
Platinum: per troy oz		
Morning \$/troy oz	907.42	
Afternoon \$/troy oz	904.76	
Rhodium		
European free market min 99.9% in-warehouse, \$/troy oz	1,545.53	1,647.11
Silver		
London		
spot pence/troy oz	1,205.42	
spot cents/troy oz	1,616.08	
Handy/Harman cents/troy oz	1,616.5	

† week-on-week change

continued ➤

FOUNDRY INGOTS		
	Low	High
Aluminium		
LM24, £/tonne	1,610	1,660
LM6/LM25, £/tonne	1,801.25	1,855
Aluminium Europe α/tonne	1,748	1,804
Phosphor Bronze		
PB1 ex-works, £/tonne	6,650	
Zinc Alloy		
ZL3, £/tonne	2,933	

EXCHANGE RATES (CLOSING RATES)	
\$/£	1.34
\$/yen	112.99
\$/€	1.18

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Metal Bulletin monthly average prices are calculated on those price quotations formulated during the month.

LONDON METAL EXCHANGE			
High, low and average December (19 days) LME averages are mean of buyers and sellers except for settlement and 3 months sellers.			
	Jan-Dec 2017		December average
	Low	High	
	\$	\$	\$
Aluminium (\$)			
Cash	1,700.5	2,245.5	2,070.38
3 months	1,688.25	2,256.75	2,086.88
Settlement	1,701	2,246	2,070.74
3 months seller	1,688.5	2,257	2,087.34
Copper Grade A (\$)			
Cash	5,465.75	7,215.5	6,800.63
3 months	5,490.5	7,251.25	6,838.08
Settlement	5,466	7,216	6,801.16
3 months seller	5,491	7,251.5	6,839.03
Copper Grade A (£)			
Settlement	4,215.29	5,373.77	5,072.39
3 months seller	4,217.78	5,379.45	5,083.94
Lead (\$)			
Cash	2,006.75	2,586	2,508.20
3 months	2,021	2,592.5	2,506.78
Settlement	2,007	2,586.5	2,508.82
3 months seller	2,022	2,593	2,507.45
Lead (£)			
Settlement	1,575.55	1,954.87	1,871.19
3 months seller	1,575.54	1,955.53	1,864.03
Nickel (\$)			
Cash	8,712.5	12,827.5	11,405.66
3 months	8,775	12,882.5	11,459.47
Settlement	8,715	12,830	11,409.21
3 months seller	8,780	12,885	11,463.95
Tin (\$)			
Cash	18,757.5	21,295	19,432.11
3 months	18,755	21,212.5	19,353.29
Settlement	18,760	21,300	19,440
3 months seller	18,760	21,225	19,364.21

	Jan-Dec 2017		December average
	Low	High	
	\$	\$	\$
Zinc (\$)			
Cash	2,434.25	3,369.75	3,192.04
3 months	2,450.25	3,306.5	3,188.09
Settlement	2,434.5	3,370	3,192.47
3 months seller	2,450.5	3,309	3,188.71
Cobalt (\$)			
Cash	32,750	75,250	72,360.53
3 months	32,750	75,250	72,305.26
Settlement	33,000	75,500	72,589.47
3 months seller	33,000	75,500	72,544.74
Molybdenum (\$)			
Cash	15,000	17,250	15,750
3 months	15,000	17,250	15,763.16
Settlement	15,250	17,500	16,000
3 months seller	15,250	17,500	16,026.32
Aluminium Alloy (\$)			
Cash	1,540	1,915	1,802.63
3 months	1,560	1,930	1,817.63
Settlement	1,545	1,920	1,807.63
3 months seller	1,565	1,935	1,822.63
Nasaa (\$)			
Cash	1,695	1,990.25	1,845.67
3 months	1,725	2,007.5	1,860.53
Settlement	1,700	1,990.5	1,847.97
3 months seller	1,730	2,010	1,864.29

LME SETTLEMENT CONVERSION RATES	
\$/£	1.34
\$/yen	112.91
\$/€	1.18