

## Prices

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### NEW YORK FUTURES

	Price	Change <sup>†</sup>	Assessed
<b>Comex: Copper high grade cents/lb</b>			
Settlement	321.35	-0.89% ▼	11 Jan 18
Open interest	290,493	-0.72% ▼	10 Jan 18
Stocks (short ton)	212,281	0.49% ▲	10 Jan 18
<b>Comex: Gold \$/troy oz</b>			
Settlement	1,320.60	0.09% ▲	11 Jan 18
Open interest	567,435	10.79% ▲	10 Jan 18
Stocks (troy oz)	9,207,445	-0.29% ▼	10 Jan 18
<b>Nymex: Palladium \$/troy oz</b>			
Settlement	1,076.25	-1.69% ▼	11 Jan 18
Stocks (troy oz)	40,690	0%	10 Jan 18
<b>Nymex: Platinum \$/troy oz</b>			
Settlement	986.90	2.15% ▲	11 Jan 18
Stocks (troy oz)	191,710	-0.65% ▼	10 Jan 18
<b>Comex: Silver cents/troy oz</b>			
Settlement	1,689.40	-1.72% ▼	11 Jan 18
Open interest	196,660	2.57% ▲	10 Jan 18

### SHANGHAI FUTURES

	Price	Change <sup>†</sup>	Assessed
Aluminium yuan/tonne	14,920	-0.6% ▼	12 Jan 18
Copper yuan/tonne	54,480	-0.38% ▼	12 Jan 18
Nickel cathode yuan/tonne	97,860	0.58% ▲	12 Jan 18
Tin ingot yuan/tonne	143,410	0.19% ▲	12 Jan 18
Zinc yuan/tonne	26,280	0.77% ▲	12 Jan 18
Steel rebar month 1 yuan/tonne	4,392	4.77% ▲	12 Jan 18
Steel rebar month 2 yuan/tonne	3,936	-1.08% ▼	12 Jan 18
Steel rebar month 3 yuan/tonne	3,903	-1.11% ▼	12 Jan 18
<b>Weekly stocks deliverable</b>			
Aluminium (tonnes)	773,941	1.01% ▲	12 Jan 18
Copper (tonnes)	167,429	4.36% ▲	12 Jan 18
Nickel cathode (tonnes)	57,395	17.32% ▲	12 Jan 18
Tin ingot (tonnes)	5,318	-0.06% ▼	12 Jan 18
Zinc (tonnes)	79,051	2.16% ▲	12 Jan 18
Steel rebar (tonnes)	9,008	0%	12 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 <sup>†</sup>	Assessed
<b>Aluminium high grade \$</b>			
Cash official	2,214-2,215	0.42% ▲	12 Jan 18
Cash unofficial	2,162.5-2,164.5	-2.76% ▼	11 Jan 18
3 months official	2,222.5-2,223	-0.09% ▼	12 Jan 18
3 months unofficial	2,174-2,176	-2.9% ▼	11 Jan 18
LME Tapo notional average price (NAP)	2,198.94	-1.94% ▼	11 Jan 18
LME stocks (tonnes)	1,086,875	-1.15% ▼	11 Jan 18
<b>Aluminium alloy (A380. 1/DIN/D12S) \$</b>			
LME cash official	1,775-1,785	-1.39% ▼	12 Jan 18
LME cash unofficial	1,785.5-1,795.5	-0.83% ▼	11 Jan 18
LME 3 months official	1,790-1,800	-1.37% ▼	12 Jan 18
LME 3 months unofficial	1,800-1,810	-0.82% ▼	11 Jan 18
LME stocks (tonnes)	14,580	1.96% ▲	11 Jan 18

	Price	Change	Assessed
<b>N. American special aluminium alloy</b>			
LME cash official	1,870-1,875	0%	12 Jan 18
LME cash unofficial	1,851-1,861	-1.95% ▼	11 Jan 18
LME 3 months official	1,885-1,895	-0.26% ▼	12 Jan 18
LME 3 months unofficial	1,865-1,875	-2.09% ▼	11 Jan 18
LME stocks (tonnes)	186,840	-0.72% ▼	11 Jan 18
<b>Copper grade A \$</b>			
LME cash official	7,070-7,070.5	-0.37% ▼	12 Jan 18
LME cash unofficial	7,079-7,081	-0.86% ▼	11 Jan 18
LME 3 months official	7,110-7,111	-0.43% ▼	12 Jan 18
LME 3 months unofficial	7,116-7,118	-0.93% ▼	11 Jan 18
LME Tapo notional average price (NAP)	7,129.5	-0.51% ▼	11 Jan 18
LME stocks (tonnes)	204,125	0.13% ▲	11 Jan 18
<b>Lead \$</b>			
LME cash official	2,535-2,536	-2.09% ▼	12 Jan 18
LME cash unofficial	2,559.5-2,561.5	-0.78% ▼	11 Jan 18
LME 3 months official	2,528-2,530	-2.17% ▼	12 Jan 18
LME 3 months unofficial	2,554-2,556	-0.89% ▼	11 Jan 18
LME stocks (tonnes)	142,075	0.11% ▲	11 Jan 18
<b>Nickel \$</b>			
LME cash official	12,660-12,670	1.34% ▲	12 Jan 18
LME cash unofficial	12,550-12,575	0.2% ▲	11 Jan 18
LME 3 months official	12,685-12,690	1.48% ▲	12 Jan 18
LME 3 months unofficial	12,600-12,625	0.2% ▲	11 Jan 18
LME stocks (tonnes)	365,994	0.25% ▲	11 Jan 18
<b>Tin \$</b>			
LME cash official	20,250-20,275	1.22% ▲	12 Jan 18
LME cash unofficial	20,115-20,140	0.62% ▲	11 Jan 18
LME 3 months official	20,265-20,275	1.72% ▲	12 Jan 18
LME 3 months unofficial	20,075-20,100	0.75% ▲	11 Jan 18
LME stocks (tonnes)	2,115	-9.42% ▼	11 Jan 18
<b>Zinc special high grade \$</b>			
LME cash official	3,418-3,420	0.71% ▲	12 Jan 18
LME cash unofficial	3,400-3,402	0.77% ▲	11 Jan 18
LME 3 months official	3,386-3,387	0.58% ▲	12 Jan 18
LME 3 months unofficial	3,375-3,377	0.66% ▲	11 Jan 18
LME stocks (tonnes)	180,150	-0.1% ▼	11 Jan 18
<b>Cobalt min 99.3%</b>			
LME cash official	75,000-75,500	0%	12 Jan 18
LME 3 months official	75,000-75,500	0%	12 Jan 18
LME stocks (tonnes)	572	-3.38% ▼	11 Jan 18
<b>Molybdenum \$</b>			
LME cash official	15,500-16,000	0%	12 Jan 18
LME 3 months official	15,500-16,000	0%	12 Jan 18
LME stocks (tonnes)	0	0%	11 Jan 18

<sup>†</sup> week-on-week change

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	Price	Change	Assessed
<b>Gold \$/troy oz</b>			
London morning	1,332.90	1.14% ▲	12 Jan 18
London afternoon	1,326.80	0.73% ▲	12 Jan 18
Handy/Harman	1,323.05	0.65% ▲	11 Jan 18
<b>Silver per troy oz</b>			
London spot pence	1,256	-0.79% ▼	12 Jan 18
London spot cents	1,712	-0.2% ▼	12 Jan 18
Handy/Harman	1,697.5	-1.34% ▼	11 Jan 18
<b>Palladium \$/troy oz</b>			
London morning	1,082	-1.46% ▼	11 Jan 18
London afternoon	1,078	-2% ▼	11 Jan 18
<b>Platinum \$/troy oz</b>			
London morning	976	2.41% ▲	11 Jan 18
London afternoon	981	2.29% ▲	11 Jan 18
<b>Kuala Lumpur tin market</b>			
Tin \$/tonne	20,110	1.11% ▲	12 Jan 18
<b>ICDX</b>			
Tin PB300 settlement price \$/tonne	19,780	-1.22% ▼	12 Jan 18
Tin PB300 volume, tonnes	187	434.29% ▲	12 Jan 18

## RAND FIXING PRICES

Rand fixing prices per tonne for London Metal Exchange trade

	Price	Change†	Assessed
<b>Copper</b>	87,585.82	0.33% ▲	12 Jan 18
<b>Aluminium</b>	27,438.31	1.14% ▲	12 Jan 18
<b>Lead</b>	31,414.70	-1.39% ▼	12 Jan 18
<b>Zinc</b>	42,365.25	1.42% ▲	12 Jan 18
<b>Nickel</b>	156,949.63	2.08% ▲	12 Jan 18
<b>Tin</b>	251,156.56	1.99% ▲	12 Jan 18

## EXCHANGE RATES

	Price	Change†	Assessed
<b>LME settlement conversion rates</b>			
\$/£	1.3632	0.57% ▲	12 Jan 18
\$/¥	111.1700	-1.84% ▼	12 Jan 18
\$/€	1.2134	0.72% ▲	12 Jan 18
<b>Closing rates, midpoint</b>			
\$/£	1.3535	-0.12% ▼	11 Jan 18
\$/¥	111.4050	-1.21% ▼	11 Jan 18
\$/€	1.2046	-0.25% ▼	11 Jan 18
£/€	1.1236	0.12% ▲	11 Jan 18
\$/CNY	6.585	0.17% ▲	11 Jan 18

## BASE METALS ARBITRAGE

	Price	Change†	Assessed
<b>Aluminium</b>			
Import arbitrage, \$/tonne	-429.05*	-12.76% ▼	12 Jan 18
Import arbitrage, RMB/tonne	-2,784.43*	-12.95% ▼	12 Jan 18
<b>Copper</b>			
Import arbitrage, \$/tonne	-90.83*	-18.08% ▼	12 Jan 18
Import arbitrage, RMB/tonne	-589.43*	-18.26% ▼	12 Jan 18
<b>Nickel</b>			
Import arbitrage, \$/tonne	-583.83*	5.65% ▲	12 Jan 18
Import arbitrage, RMB/tonne	-3,788.88*	5.41% ▲	12 Jan 18
<b>Zinc</b>			
Import arbitrage, \$/tonne	-185.63*	21.08% ▲	12 Jan 18
Import arbitrage, RMB/tonne	-1,204.67*	20.81% ▲	12 Jan 18

## MB BASE METAL PREMIUMS

All prices \$/tonne unless otherwise stated

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	Price	Change†	Assessed
<b>Copper</b>			
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%	09 Jan 18
North European warrants, Grade A cathode, in-warehouse, \$/tonne	5.0-15.0*	0%	09 Jan 18
Leghorn, copper low-high premium, Grade A, cathode, cif, \$/tonne	57.5-62.5*	14.29% ▲	09 Jan 18
Leghorn, copper average premium, Grade A, cathode, cif, \$/tonne	60*	9.09% ▲	09 Jan 18
South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne	60.0-65.0*	0%	09 Jan 18
South Korea, copper average premium, Grade A, cathode, cif, \$/tonne	62.5*	0%	09 Jan 18
Southeast Asian warrants, Grade A cathode, in-warehouse, \$ per tonne	5.0-10.0*	0%	09 Jan 18
Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne	68.0-80.0*	-1.33% ▼	12 Jan 18
Shanghai, copper average premium, Grade A, cathode, in-warehouse, \$/tonne	73*	-2.67% ▼	12 Jan 18
Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne	60.0-75.0*	-2.88% ▼	12 Jan 18
Shanghai, copper average premium, Grade A, cathode, cif, \$/tonne	67*	-2.9% ▼	12 Jan 18
MB free market US: High-grade cathode premium indicator, \$/tonne	115.7-126.8*	0%	09 Jan 18
<b>Aluminium</b>			
Aluminium P1020A, in-whs Rotterdam duty unpaid, spot low-high, \$/tonne	92.0-99.0*	0%	12 Jan 18
Aluminium P1020A, in-warehouse Rotterdam duty unpaid, spot weighted average, \$/tonne	96*	0%	12 Jan 18
Aluminium P1020A, cif Korea (Gwangyang or Busan), spot low-high, \$/tonne	90-103*	1.58% ▲	09 Jan 18
Aluminium P1020A, cif Korea (Gwangyang or Busan), spot weighted average, \$/tonne	96*	0%	09 Jan 18
Aluminium P1020A, Southeast Asian warrants, in-warehouse, \$/tonne	5.0-15.0*	0%	09 Jan 18
Aluminium P1020A, cif Shanghai, spot low-high, \$/tonne	90.0-100.0*	0%	09 Jan 18
Aluminium P1020A, cif Shanghai, spot weighted average, \$/tonne	95*	0%	09 Jan 18
Aluminium P1020A, cif main Japanese ports, spot low-high, \$/tonne	90.0-105.0*	0%	09 Jan 18
Aluminium P1020A, cif main Japanese ports, spot weighted average, \$/tonne	98*	0%	09 Jan 18
Aluminium ingot ADC 12 spot, main Japanese ports, \$/tonne	1,990*	2.3% ▲	10 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	158.0-165.0*	0%	12 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	0.095-0.098*	1.85% ▲	09 Jan 18
Aluminium P1020A, delivered Sao Paulo region, spot, \$/tonne	230.0-240.0*	0%	09 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%	09 Jan 18
Aluminium 6063 + 6060 extrusion billet, cif Brazilian main ports, spot (premium over LME cash), \$/tonne	280.0-300.0*	-1.69% ▼	15 Dec 17
<b>Lead</b>			
North European warrants, min 99.97% ingots, in-warehouse, \$/tonne	10.0-15.0*	0%	09 Jan 18
Southeast Asian warrants, min 99.97% ingots, in-warehouse, \$/tonne	15.0-20.0*	0%	09 Jan 18
USA lead premium 99.97%, delivered domestic, \$/lb	0.09-0.11*	0%	09 Jan 18
USA lead premium 99.97%, delivered domestic, cents/lb	9-11*	0%	09 Jan 18
USA lead premium 99.99%, delivered domestic, cents/lb	11-12.5*	0%	09 Jan 18
<b>Nickel</b>			
Shanghai, nickel low-high premium, 99.8% purity in-warehouse, \$/tonne	290.0-310.0*	0%	09 Jan 18
Shanghai, nickel average premium, 99.8% purity in-warehouse, \$/tonne	300*	0%	09 Jan 18
Shanghai, nickel low-high premium, 99.8% purity, full plate, cif, \$/tonne	280.0-300.0*	0%	09 Jan 18
Shanghai, nickel premium, 99.8% purity full plate, cif, \$/tonne	290*	0%	09 Jan 18
Southeast Asian warrants, min 99.80% full plates, in-warehouse, \$/tonne	120-200*	0%	09 Jan 18
Southeast Asian warrants, min 99.80% briquettes, in-warehouse, \$/tonne	10-20*	0%	09 Jan 18
uncut cathodes premium indicator	220.0-270.0*	8.89% ▲	09 Jan 18
4x4 cathodes premium indicator	345.0-420.0*	5.52% ▲	09 Jan 18
briquettes premium indicator	275.0-315.0*	1.72% ▲	09 Jan 18
US: melting premium indicator, \$/lb	0.250-0.320*	0%	09 Jan 18
<b>Tin</b>			
<b>MB European free market</b>			
Spot premium 99.9%, \$/tonne	300-330*	1.61% ▲	09 Jan 18
Spot premium 99.85%, \$/tonne	250-300*	0%	09 Jan 18
United States New York spot, cents/lb	944-945	0.85% ▲	11 Jan 18
<b>Zinc</b>			
North European warrants, min 99.995% SHG ingots, \$/tonne	80.0-90.0*	0%	09 Jan 18
MB EU: Special high grade, fca Rotterdam, \$/tonne	135.0-145.0*	0%	09 Jan 18
Malaysia in-warehouse, 99.995% SHG ingots, \$/tonne	80.0-85.0*	0%	09 Jan 18
Singapore, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne	80.0-85.0*	0%	09 Jan 18
Singapore, zinc average premium, 99.995% purity, in-warehouse, \$/tonne	83*	0%	09 Jan 18
Shanghai, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne	135.0-145.0*	-1.75% ▼	09 Jan 18
Shanghai, zinc average premium, 99.995% purity, in-warehouse, \$/tonne	140*	-1.41% ▼	09 Jan 18
MB US: Special high grade, \$/lb	0.080-0.090*	0%	09 Jan 18

BASE METALS			
	Price	Change†	Assessed
<b>Alumina</b>			
MB Chinese free market, metallurgical grade, delivered duty paid, RMB/tonne	2,700.0-2,900.0*	0%	11 Jan 18
Alumina Index fob Australia	384*	-2.34% ▼	12 Jan 18
Alumina Index fob Brazil	3.73*		04 Jan 18
Alumina Index fob Brazil, inferred Brazil price \$ per dry metric ton	387.73*		12 Jan 18
<b>Bauxite</b>			
fob Kamsar, Guinea \$/tonne per dmtu	38*	0%	04 Jan 18
fob Trombetas, Brazil \$/tonne per dmtu	38*	0%	04 Jan 18
<b>Copper &amp; Brass</b>			
<b>Producer premium</b>			
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):	6,023.2-6,049.3	-0.9% ▼	10 Jan 18
cathodes:	5,980.0-6,030.0	-0.91% ▼	10 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)	7.98-7.98*	-6.78% ▼	29 Dec 17
Copper concentrate Asia-Pacific Index TC import, \$/dmt (twice monthly on 15th and last day of month)	79.80-79.80*	-6.78% ▼	29 Dec 17
Shanghai bonded copper stocks, tonnes	465,000-475,000*	4.44% ▲	02 Jan 18
<b>Nickel</b>			
Nickel pig iron high grade NPI content 10-15% contract price delivered duty paid China RMB per nickel unit price	970-990*	1.03% ▲	09 Jan 18
Nickel pig iron high grade NPI content 10-15% spot price China RMB per nickel unit price	970-990*	1.29% ▲	09 Jan 18
<b>Nickel ore</b>			
Laterite ore with 1.5% nickel content cif China, \$/tonne	34-36*	4.48% ▲	09 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	49-51*	1.01% ▲	09 Jan 18
<b>Lead</b>			
Germany: (VDM) virgin soft, €/tonne	2,280-2,320	1.77% ▲	10 Jan 18
<b>European automotive battery premium free market (Eurobat)</b>			
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 <a href="http://www.eurobat.org/statistics">http://www.eurobat.org/statistics</a>			
<b>Zinc</b>			
Germany: (VDM) virgin, €/tonne	2,980-2,980	2.41% ▲	10 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 <sup>†</sup>	Assessed
<b>Iridium</b>			
MB free market: min 99.9%, \$/troy oz in-warehouse	925-1,025*	0%	12 Jan 18
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	970	0%	12 Jan 18
Engelhard base price: \$/troy oz	990	0%	12 Jan 18
<b>Palladium</b>			
European free market: min 99.9%, \$/troy oz in-warehouse	1,078-1,097*	-1.23% ▼	12 Jan 18
Engelhard base price: \$/troy oz	1,097	-0.9% ▼	12 Jan 18
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	1,094	-1.08% ▼	12 Jan 18
<b>Platinum</b>			
European free market: min 99.9%, \$/troy oz in-warehouse	980-999*	2.7% ▲	12 Jan 18
Engelhard base price: \$/troy oz	995	2.79% ▲	12 Jan 18
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	999	3.63% ▲	12 Jan 18
<b>Rhodium</b>			
European free market: min 99.9%, \$/troy oz in-warehouse	1,650-1,750*	-0.87% ▼	12 Jan 18
Engelhard base price: \$/troy oz	1,700	-1.45% ▼	12 Jan 18
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	1,690	-0.59% ▼	12 Jan 18
<b>Ruthenium</b>			
European free market: min 99.9%, \$/troy oz in-warehouse	175-215*	5.41% ▲	12 Jan 18
Engelhard base price: \$/troy oz	195	0%	12 Jan 18
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	190	0%	12 Jan 18
<b>MINOR METALS</b>			
	Price	Change <sup>†</sup>	Assessed
<b>Antimony</b>			
MB free market Regulus, min 99.65%, max Se 50 ppm, max 100 ppm Bi, \$/tonne in-warehouse Rotterdam	8,050-8,350*	0.31% ▲	12 Jan 18
MMTA Standard Grade II, \$/tonne in-warehouse Rotterdam	8,050-8,350*	0.31% ▲	12 Jan 18
MB Chinese free market MMTA Standard Grade II, delivered duty paid RMB/tonne	52,000-52,500*	0%	10 Jan 18
<b>Arsenic</b>			
MB free market \$/lb	0.90-1.25*	0%	05 Jan 18
<b>Bismuth</b>			
MB free market \$/lb	5-5.40*	-0.95% ▼	12 Jan 18
MB China domestic, min 99.99%, RMB/tonne	69,000-70,500*	0%	12 Jan 18
<b>Cadmium</b>			
MB free market min 99.95% cents/lb	97-105*	0%	12 Jan 18
MB free market min 99.99% cents/lb	99-108*	0%	12 Jan 18
<b>Chromium</b>			
MB free market alumino-thermic min 99% \$/tonne	8,000-8,300*	3.82% ▲	12 Jan 18
<b>Cobalt</b>			
MB free market high-grade \$/lb	36.95-37.80*	0.67% ▲	12 Jan 18
MB free market low-grade \$/lb	36-37.40*	1.24% ▲	12 Jan 18
MB high-grade, weighted average of all confirmed international trades, \$/lb	37.03*	-0.13% ▼	12 Jan 18
MB low-grade, weighted average of all confirmed international trades, \$/lb	36.91*	1.32% ▲	12 Jan 18
MB China domestic, min 99.8% RMB/tonne	550,000-590,000*	2.24% ▲	12 Jan 18
Cobalt tetroxide min 72.6% Co delivered China RMB/tonne	400,000-420,000*	3.8% ▲	12 Jan 18

	Price	Change	Assessed
<b>Gallium</b>			
MB free market \$/kg	165-180*	2.99% ▲	12 Jan 18
MB China domestic, min 99.99%, RMB/kg	1,000-1,100*	3.96% ▲	10 Jan 18
<b>Germanium</b>			
Germanium dioxide MB free market \$/kg	800-900*	6.25% ▲	12 Jan 18
Germanium metal \$/kg Rotterdam	1,250-1,400*	3.92% ▲	12 Jan 18
Germanium metal MB China domestic, min 99.999%, RMB/kg	9,200-10,050*	2.39% ▲	10 Jan 18
<b>Hafnium</b>			
Hafnium 1% Zr max, in-warehouse global locations, \$/kg	850-950*	-5.26% ▼	05 Jan 18
<b>Indium</b>			
MB free market \$/kg	265-300*	6.6% ▲	12 Jan 18
MB China domestic, min 99.99% RMB/kg	1,650-1,800*	10.22% ▲	10 Jan 18
Indium Corp ingots min 99.97% \$/kg fob	440	-40.94% ▼	26 Jun 15
<b>Magnesium</b>			
European free market \$ per tonne	2,300-2,400*	0%	12 Jan 18
China free market min 99.8% Mg, fob			
China main ports, \$ per tonne	2,290-2,330*	3.36% ▲	12 Jan 18
MB Chinese free market min 99% Mg, ex-works RMB/tonne	14,400-14,600*	0.69% ▲	12 Jan 18
<b>Manganese flake</b>			
MB free market \$/tonne	1,895-2,000*	0%	12 Jan 18
<b>Mercury</b>			
MB free market \$ per flask	1,700-2,000*	12.12% ▲	05 Jan 18
<b>Rhenium in-warehouse Rotterdam duty paid</b>			
Metal pellets, min 99.9% \$/lb	635-735*	0%	05 Jan 18
APR catalytic grade \$/kg Re	1,450-1,600*	0%	05 Jan 18
<b>Selenium</b>			
MB free market \$/lb	17.5-19*	0%	12 Jan 18
MB China domestic, min 99.9%, RMB/kg	260-295*	2.78% ▲	12 Jan 18
Selenium dioxide, MB China domestic, min 98%, RMB/kg	180-185*	2.82% ▲	12 Jan 18
<b>Silicon</b>			
Grade 441, min 99% Si in-warehouse Rotterdam, €/tonne	2,215-2,325*	0%	12 Jan 18
Grade 553, min 98.5% Si in-warehouse Rotterdam, €/tonne	2,150-2,200*	0%	12 Jan 18
US free market cents/lb	140-142*	2.55% ▲	10 Jan 18
Export from mainland China min 98.5%, \$/tonne fob	1,880-1,950*	0%	12 Jan 18
<b>Tellurium</b>			
MB free market \$/kg	35-50*	-5.56% ▼	12 Jan 18
MB China domestic, min 99.99%, RMB/kg	450-470*	-2.13% ▼	12 Jan 18
<b>Titanium</b>			
MB free market ferro-titanium 70% (max 4.5% Al) \$/kg Ti d/d Europe	4.80-5.60*	0%	10 Jan 18
<b>Titanium ores \$/tonne</b>			
Rutile conc min 95% TiO2 bagged, fob/Aus	770-850	0%	11 Jan 18
Rutile bulk conc min 95% TiO2 fob/Aus	710-770	0%	11 Jan 18
Ilmenite bulk conc min 54% TiO2 fob/Aus	160-185	0%	11 Jan 18

† week-on-week change

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NOBLE ALLOYS & ORES			
	Price	Change†	Assessed
<b>Molybdenum molybdc oxide</b>			
Europe drummed molybdc oxide \$/lb Mo	11.05-11.30*	-1.11% ▼	12 Jan 18
US canned molybdc oxide \$/lb Mo	11-11.30*	1.13% ▲	11 Jan 18
<b>Ferro-molybdenum</b>			
Basis 65% min, in-warehouse Rotterdam \$/kg Mo	26.5-27.20*	0.37% ▲	12 Jan 18
US free market 65-70% Mo \$/lb in-warehouse Pittsburgh	12-12.55*	3.37% ▲	11 Jan 18
MB Chinese free market concentrate 45% Mo in-warehouse China RMB/mtu	1,550-1,600*	7.51% ▲	10 Jan 18
<b>Tungsten</b>			
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	313-318*	0.96% ▲	10 Jan 18
MB Chinese free market concentrate 65% WO3 in-warehouse China RMB/tonne	113,000-115,000*	-0.44% ▼	10 Jan 18
<b>Ferro-tungsten</b>			
Basis 75% W min \$/kg W in-warehouse Rotterdam duty unpaid	38-38.70*	1.25% ▲	12 Jan 18
China export min 75% \$/kg W, fob China	38-39*	-0.65% ▼	10 Jan 18
<b>Vanadium</b>			
Ferro-vanadium basis 78% min, free delivery duty paid consumer plant, 1st grade, Western Europe \$/kg V	52-59*	9.36% ▲	12 Jan 18
US free market ferro-vanadium \$/lb in-warehouse Pittsburgh	23.65-24.55*	5.7% ▲	11 Jan 18
Vanadium pentoxide min 98%, in-warehouse Rotterdam \$ per lb V2O5	11.40-12*	16.42% ▲	12 Jan 18
<b>Zircon</b>			
Foundry grade bulk \$/tonne fob Australia	950-1,000	0%	11 Jan 18
Premium bulk \$/tonne fob Australia	1,170-1,270	0%	11 Jan 18
BULK ALLOYS			
	Price	Change†	Assessed
<b>Ferro-chrome \$/lb Cr</b>			
China import charge chrome 50% Cr index, cif Shanghai, duty unpaid	0.92*	2.22% ▲	12 Jan 18
Ferro-Chrome European Benchmark Indicator, Lumpy Cr charge basis 52% (and high carbon), \$ per lb	1.22*	5.17% ▲	12 Jan 18
Spot 6-8% C basis 50% Cr delivered duty paid China RMB/tonne	7,600-7,800*	3.36% ▲	12 Jan 18
Contract 6-8% C basis 50% Cr delivered duty paid China RMB/tonne	7,100-7,300*	0%	12 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	1.25-1.35*	1.96% ▲	12 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	0.90-0.96*	0%	11 Jan 18
South Korea import 8-9% C, basis 60% Cr, cif South Korea, duty unpaid \$/lb contained chrome	0.92-0.97*	2.16% ▲	11 Jan 18
<b>US free market low carbon duty paid fob Pittsburgh</b>			
US free market in-warehouse Pittsburgh 6-8% C basis 60-65% Cr max 2% Si	1.400-1.480*	0%	11 Jan 18
0.05% C - 65% min Cr	2.30-2.35*	0%	11 Jan 18
0.10% C - 62% min Cr	2.23-2.29*	0.44% ▲	11 Jan 18
0.15% C - 60% min Cr	2.15-2.22*	0.46% ▲	11 Jan 18

	Price	Change	Assessed
<b>Chrome ore \$/tonne</b>			
<i>Chrome ore cif main Chinese ports</i>			
South African UG2 chrome ore concs, index basis 42%	213*	7.04% ▲	12 Jan 18
Turkish lumpy 40-42% cfr main Chinese ports	310-320*	4.13% ▲	12 Jan 18
<b>Ferro-manganese</b>			
basis 78% Mn (scale pro rata) standard 7.5% C €/tonne	1,075-1,125*	1.85% ▲	12 Jan 18
US free market 78% Mn standard 7.5% C \$/long ton in-warehouse Pittsburgh	1,450-1,500*	0.85% ▲	11 Jan 18
US free market medium carbon duty paid fob Pittsburgh, 80% min Mn 1.5% max C \$/lb	1.08-1.10*	0%	11 Jan 18
MB Chinese free market min 65% Mn max 7.0% C in-warehouse China RMB/tonne	7,800-8,500*	-0.61% ▼	12 Jan 18
<b>Manganese ore</b>			
44% Mn, cif Tianjin \$/dmtu of metal contained	6.86*	-0.87% ▼	12 Jan 18
37% Mn, fob Port Elizabeth \$/dmtu of metal contained	6.03*	3.97% ▲	12 Jan 18
Inventories at the main ports of Tianjin and Qinzhou, million tonnes	1.65-1.70*	-9.46% ▼	10 Jan 18
<b>Ferro-nickel</b>			
China premium, 26-32% nickel contained, cif China, \$/tonne	170-350*	48.57% ▲	25 Dec 17
<b>Ferro-silicon</b>			
Lumpy basis 75% Si (scale pro rata) €/tonne	1,680-1,750*	0.88% ▲	12 Jan 18
US free market \$/lb in-warehouse Pittsburgh lumpy basis 75% Si - imported	1.08-1.12*	0%	11 Jan 18
Export from mainland China, min 75% Si, 7.5% C, \$/tonne, fob	1,600-1,800*	-5.56% ▼	12 Jan 18
MB Chinese free market min 75% Si, in-warehouse China, RMB/tonne	7,500-9,000*	-7.3% ▼	12 Jan 18
<b>Silico-manganese</b>			
Lumpy basis 65-75% Mn basis 15-19% Si (scale pro rata) €/tonne	1,025-1,075*	1.2% ▲	12 Jan 18
US free market \$/lb in-warehouse Pittsburgh	0.64-0.65*	2.38% ▲	11 Jan 18
MB Chinese free market min 65% Mn max 17% Si in-warehouse China RMB/tonne	7,800-8,300*	-3.59% ▼	12 Jan 18
65% min Mn 16% min Si \$/tonne fob India	1,200-1,250*	0%	12 Jan 18

† week-on-week change

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## CARBONSTEEL - EUROPE

	Price	Change†	Assessed
<b>Northern Europe imports</b>			
<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	525-535*	4.95% ▲	10 Jan 18
Wire rod (mesh quality)	535-540*	0.94% ▲	10 Jan 18
Plate (8-40mm)	530-550*	0%	10 Jan 18
Hot rolled coil	530-540*	1.9% ▲	10 Jan 18
Cold rolled coil	585-595*	2.16% ▲	10 Jan 18
Hot-dip galvanized coil	670-680*	2.27% ▲	10 Jan 18
<b>Southern Europe imports</b>			
<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	500-510*	2.54% ▲	10 Jan 18
Wire rod (mesh quality)	520-525*	0%	10 Jan 18
Plate (8-40mm)	520-540*	0%	10 Jan 18
Hot rolled coil	525-540*	2.4% ▲	10 Jan 18
Cold rolled coil	595-605*	1.69% ▲	10 Jan 18
Hot-dip galvanized coil	665-675*	1.9% ▲	10 Jan 18
<b>Southern Europe exports</b>			
<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	475-500*	1.04% ▲	10 Jan 18
Wire rod (mesh quality)	495-505*	1.52% ▲	10 Jan 18
<b>Northern Europe domestic</b>			
<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	540-570*	1.37% ▲	10 Jan 18
Wire rod (mesh quality)	545-565*	2.3% ▲	10 Jan 18
Sections (medium)	640-660*	0%	10 Jan 18
Beams	615-645*	0%	10 Jan 18
<b>Southern Europe domestic</b>			
<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	520-530*	1.45% ▲	10 Jan 18
Wire rod (mesh quality)	515-530*	1.46% ▲	10 Jan 18
Sections (medium)	620-645*	2.85% ▲	10 Jan 18
Beams	615-645*	0%	10 Jan 18
<b>Central Europe domestic € per tonne ex-works</b>			
Hot rolled coil	520-530*	0.48% ▲	10 Jan 18
<b>Poland domestic zloty per tonne ex-works</b>			
Rebar	2,240-2,300*	1.11% ▲	12 Jan 18
<b>Northern Europe € per tonne ex-works</b>			
Plate (8-40mm)	570-590*	0%	10 Jan 18
Hot rolled coil	540-550*	0.93% ▲	10 Jan 18
Cold rolled coil	610-640*	0%	10 Jan 18
Hot-dip galvanized coil	650-680*	0%	10 Jan 18
<b>Southern Europe € per tonne ex-works</b>			
Plate (8-40mm)	520-540*	0.95% ▲	10 Jan 18
Hot rolled coil	520-535*	0%	10 Jan 18
Cold rolled coil	590-620*	0%	10 Jan 18
Hot-dip galvanized coil	610-640*	0%	10 Jan 18

## CARBONSTEEL - NORTH AFRICA

	Price	Change†	Assessed
<b>Algeria imports</b>			
<i>Metal Bulletin's appraisal of cfr prices for imported, EU origin, commercial-quality carbon steel, € per tonne cfr main port</i>			
Rebar	495-500*	-2.45% ▼	10 Jan 18

## CARBONSTEEL - CIS

	Price	Change†	Assessed
<b>CIS exports (Black Sea)</b>			
<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	514*	0%	08 Jan 18
Slab	505-510*	0%	08 Jan 18
Rebar	550-555*	0%	08 Jan 18
Wire rod (mesh)	565-575*	0%	08 Jan 18
Heavy plate (10-50mm)	555-615*	0%	08 Jan 18
Hot rolled coil	540-555*	0%	08 Jan 18
Cold rolled coil	600-615*	0%	08 Jan 18
<b>CIS domestic</b>			
<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	32,000-33,000*	0%	08 Jan 18
Hot rolled sheet	37,500-39,000*	0%	08 Jan 18
Cold rolled sheet	42,400-42,950*	0%	08 Jan 18
Plate	38,500-39,000*	0%	08 Jan 18

## CARBONSTEEL - MIDDLE EAST

	Price	Change†	Assessed
<b>Turkish exports</b>			
<i>Metal Bulletin's appraisal of Turkish mills' prices for export of commercial-quality carbon steel, \$ per tonne fob main Turkish port</i>			
Billet	545-550*	0%	11 Jan 18
Rebar	575-585*	0.87% ▲	11 Jan 18
Wire rod (mesh quality)	580-590*	0.86% ▲	11 Jan 18
Merchant bars	590-600*	0%	11 Jan 18
Structural pipe	670-680*	4.65% ▲	10 Jan 18
Hot rolled coil	600-610*	0%	12 Jan 18
<b>Turkish domestic</b>			
<i>Metal Bulletin's appraisal of prices within Turkey for commercial-quality carbon steel of Turkish origin, \$ per tonne ex-works</i>			
Billet	545-550*	0%	11 Jan 18
Rebar	570-572*	-2.39% ▼	11 Jan 18
Wire rod (mesh quality)	590-607*	-1.89% ▼	11 Jan 18
Hot rolled coil	620-630*	0%	12 Jan 18
Cold rolled coil	685-700*	1.09% ▲	12 Jan 18
Hot dip galvanized	795-800*	0.63% ▲	12 Jan 18
Prepainted galvanized	865-870*	0%	12 Jan 18
<b>Turkish imports</b>			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr main Turkish port</i>			
Billet	525-530*	0.48% ▲	11 Jan 18
Hot rolled coil	600-620*	6.09% ▲	12 Jan 18
Cold rolled coil	660-665*	5.58% ▲	12 Jan 18
<b>UAE imports</b>			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr Jebel Ali</i>			
Billet	518-535*	0.86% ▲	09 Jan 18
Rebar	565-570*	0%	09 Jan 18
Hot rolled coil	590-630*	0%	09 Jan 18
Cold rolled coil	660-700*	0%	09 Jan 18
Hot dip galvanized coil	740-780*	0%	09 Jan 18
<b>Saudi Arabia imports</b>			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr</i>			
Rebar	560-565*	0%	09 Jan 18
Hot rolled coil	610-615*	0%	09 Jan 18

† week-on-week change

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	Price	Change	Assessed
<b>UAE domestic</b>			
<i>Metal Bulletin's appraisal of prices within UAE for commercial-quality carbon steel of UAE origin, dirhams per tonne ex-works</i>			
Rebar	2,240-2,250*	0%	09 Jan 18
<b>Iran imports</b>			
<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%	10 Jan 18
Hot rolled coil	565-600*	0%	10 Jan 18
Hot dip galvanized coil	640-685*	0%	13 Dec 17
<b>Egyptian domestic</b>			
<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%	11 Jan 18
<b>Egyptian import</b>			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr main port</i>			
Billet	540-545*	1.88% ▲	11 Jan 18

**CARBONSTEEL - LATIN AMERICA**

	Price	Change†	Assessed
<b>Latin American exports</b>			
<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*	6.19% ▲	12 Jan 18
Slab, Brazil	510-520*	1.98% ▲	12 Jan 18
Rebar	560-565*	0%	12 Jan 18
Wire rod mesh quality	560-565*	0%	12 Jan 18
Heavy plate over 10mm	570-575*	0%	12 Jan 18
Hot rolled coil (dry)	570-580*	0%	12 Jan 18
Cold rolled coil	670-685*	6.27% ▲	12 Jan 18
Galvanized coil	800-810*	0%	12 Jan 18
<b>South America imports</b>			
<i>Metal Bulletin's appraisal of cfr prices for imported, commercial-quality carbon steel, \$ per tonne cfr main ports</i>			
Plate	600-610*	0%	12 Jan 18
Hot rolled coil	615-620*	0%	12 Jan 18
Cold rolled coil	655-665*	0%	12 Jan 18
Galvanized coil	715-725*	0%	12 Jan 18
<b>Argentina domestic \$ per tonne ex-works</b>			
<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
<b>Brazil domestic</b>			
<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
<b>US imports</b>			
<i>Metal Bulletin's appraisal of prices for imported, non-Nafta origin, commercial-quality carbon steel, \$ per short ton cfr port Houston</i>			
Rebar	560-600*	2.29% ▲	03 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
<b>US domestic</b>			
<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)	580-600*	3.51% ▲	03 Jan 18
Wire rod (mesh quality fob mill)	600-600*	0%	10 Jan 18
Plate (fob mill)	690-690*	1.47% ▲	05 Jan 18
Hot rolled sheet index (fob mill)	680-680*	2.97% ▲	11 Jan 18
Cold rolled sheet (fob mill)	860-860*	1.18% ▲	11 Jan 18
Hot-dip galvanized (base) Midwest (fob mill)	850-850*	0%	11 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
<b>China exports</b>			
<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	556-556*	-1.07% ▼	12 Jan 18
Wire rod (mesh quality)	560-575*	-0.7% ▼	09 Jan 18
Heavy plate	565-570*	0.44% ▲	09 Jan 18
Hot rolled coil index	570-570*	-0.08% ▼	12 Jan 18
Cold rolled coil	615-620*	-0.16% ▼	09 Jan 18
Galvanized coil 1mm	670-680*	-1.46% ▼	09 Jan 18
<b>Eastern China domestic</b>			
<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	3,780-3,830*	-4.28% ▼	12 Jan 18
Wire rod (mesh)	3,900-4,000*	-5.84% ▼	12 Jan 18
Sections	4,080-4,130*	-0.36% ▼	12 Jan 18
Plate	4,050-4,120*	-1.57% ▼	12 Jan 18
Hot rolled coil (min 2mm)	4,160-4,200*	-1.99% ▼	12 Jan 18
Cold rolled coil (0.5 - 2 mm)	4,760-4,820*	-1.64% ▼	12 Jan 18
Hot-dip galvanized coil	5,060-5,130*	-0.59% ▼	12 Jan 18
<b>Northern China domestic</b>			
<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	3,590-3,590*	-1.1% ▼	12 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	3,990-4,070*	-2.66% ▼	12 Jan 18
Rebar	3,850-3,900*	-3.12% ▼	12 Jan 18

† week-on-week change

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	Price	Change	Assessed
<b>Southern China domestic</b>			
<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	4,100-4,200*	-9.98% ▼	12 Jan 18
Wire rod (mesh)	4,000-4,100*	-9.5% ▼	12 Jan 18
Sections	4,250-4,300*	-1.04% ▼	12 Jan 18
Plate	4,250-4,300*	-2.51% ▼	12 Jan 18
Hot rolled coil (min 2mm)	4,170-4,220*	-2.44% ▼	12 Jan 18
Cold rolled coil (0.5 - 2 mm)	4,750-4,850*	-3.61% ▼	12 Jan 18
Hot-dip galvanized coil	5,100-5,160*	-0.68% ▼	12 Jan 18

<b>Southeast Asia imports</b>			
<i>Metal Bulletin's appraisal of prices in Southeast Asia for commercial-quality carbon steel \$ per tonne cfr</i>			
Billet	535-545*	0.93% ▲	08 Jan 18
Slab (Asia/East Asia)	510-525*	0%	08 Jan 18
Hot rolled coil (Vietnam)	570-580*	0.88% ▲	08 Jan 18
Rebar (Singapore)	570-580*	1.32% ▲	08 Jan 18
Wire rod (low carbon)	585-605*	-3.25% ▼	08 Jan 18

<b>Indian exports</b>			
<i>Metal Bulletin's appraisal of Indian mills' prices for export of commercial-quality carbon steel, \$ per tonne fob main India port</i>			
Billet	510-520*	3%	▲ 12 Jan 18
Plate (12-40mm)	555-560*	2.76% ▲	12 Jan 18
Hot rolled coil (commodity)	620-625*	6.87% ▲	12 Jan 18
Hot-dip galvanized coil	785-800*	1.28% ▲	12 Jan 18

<b>Indian imports</b>			
<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)	595-615*	1.68% ▲	12 Jan 18
Hot rolled coil (commodity)	630-640*	2.83% ▲	12 Jan 18
Hot rolled coil (CR grade)	560-565*	0%	12 Jan 18
Cold rolled	570-575*	0%	12 Jan 18

<b>Indian domestic</b>			
<i>Metal Bulletin's appraisal of prices within India for commercial-quality carbon steel, rupees per tonne ex-works</i>			
Billet	31,900-32,100*	-1.54% ▼	12 Jan 18
Heavy plate	40,000-40,500*	0%	12 Jan 18
Hot rolled coil	41,750-42,250*	0%	12 Jan 18
Cold rolled coil	46,500-47,000*	0%	12 Jan 18
DRI	21,100-21,300*	-2.3% ▼	12 Jan 18
Hot-dip galvanized coil	51,000-51,500*	0%	12 Jan 18
Rebar	33,900-34,100*	-2.3% ▼	12 Jan 18

## STEELBENCHMARKER™ PRICES

	Price	Change†	Assessed
<b>Region: USA east of the Mississippi</b>			
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
<b>Region: Mainland China</b>			
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
<b>Region: World export market</b>			
Hot rolled coil (\$/metric tonne)	578	0%	08 Jan 18

## STAINLESS STEEL

	Price	Change†	Assessed
<b>Asia import</b>			
\$/tonne cif East Asian port			
Grade 304 2mm CR coil 2B	2,130-2,150*	-1.61% ▼	10 Jan 18
Grade 304 HR sheet	2,050-2,100*	0.24% ▲	10 Jan 18
<b>China domestic</b>			
yuan/tonne, in-warehouse			
Grade 304 2mm CR coil	14,700-15,400*	-1.95% ▼	11 Jan 18
Grade 430 2mm CR coil	9,600-9,700*	0%	11 Jan 18

<b>EU export</b>			
€/tonne fob N.European port			
Min 100 tonne lot			
Grade 304 2mm CR sheet	2,300-2,421*	-0.21% ▼	12 Jan 18

<b>EU domestic</b>			
2mm 304 cold rolled stainless steel sheet, €/tonne			
N.Europe Base price	1,060-1,120*	-0.46% ▼	12 Jan 18
Alloy surcharge	1,240-1,301*	0%	12 Jan 18
2mm 316 cold rolled stainless steel sheet, €/tonne			
Base price	1,360-1,430*	0%	12 Jan 18
Alloy surcharge	1,768-1,864*	0%	12 Jan 18
304 stainless steel bright bar, €/tonne			
Base price	1,000-1,040*	0%	12 Jan 18
Alloy surcharge	1,530-1,580*	0%	12 Jan 18

<b>US domestic</b>			
<i>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	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

<b>Raw materials index</b>			
EU domestic stainless steel \$ per tonne			
304 Europe raw materials index	1,423.70*	8.84% ▲	08 Jan 18

## CHINA IRON ORE

<i>cfr main China port \$ per dry metric tonne</i>			
	Price	Change†	Assessed
Iron ore index (62% Fe)	78.05*	1.63% ▲	12 Jan 18
Iron ore pellet index cfr Qingdao (65% Fe)	120.34*	-0.27% ▼	12 Jan 18
Iron ore concentrate index cfr Qingdao (66% Fe)	100.83*	3.83% ▲	12 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	211.20-211.20*	0%	12 Jan 18
Hard coking coal cfr China	190.20-190.20*	0%	12 Jan 18
Premium hard coking coal fob Australia	258.79-258.79*	0.54% ▲	12 Jan 18
Hard coking coal fob Australia	187.73-187.73*	0%	12 Jan 18
China hard coking coal Shanxi spot market domestic delivered yuan/tonne	1,495-1,850*	0%	12 Jan 18
65% CSR coke \$/tonne fob Tianjin	360-365*	-1.36% ▼	09 Jan 18

† week-on-week change

continued &gt;



## FERROUS SCRAP

	Price	Change†	Assessed
<b>UK ferrous scrap domestic</b>			
<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>			
<b>Cut grades</b>			
OA plate and structural	190-215*	8%	▲ 12 Dec 17
1&2 old steel	170-195*	8.96%	▲ 12 Dec 17
12A/C new production heavy and shovellable steel	200-225*	7.59%	▲ 12 Dec 17
12D new production heavy and shovellable steel	205-230*	7.41%	▲ 12 Dec 17
<b>Bales and cuttings</b>			
4A new steel bales	205-230*	7.41%	▲ 12 Dec 17
4C new steel bales	195-220*	7.79%	▲ 12 Dec 17
8A new loose light cuttings	190-220*	7.89%	▲ 12 Dec 17
8B new loose light cuttings	175-205*	8.57%	▲ 12 Dec 17
<b>Turnings</b>			
UK inter-merchant 7B heavy steel turnings	150-170*	10.34%	▲ 12 Dec 17
<b>Cast iron</b>			
9A/10 heavy and light cast iron	175-200*	8.7%	▲ 12 Dec 17
9B/C cylinder block scrap	195-220*	7.79%	▲ 12 Dec 17
11A cast iron borings	115-135*	8.7%	▲ 12 Dec 17
<i>Prices relate to new UK scrap specifications</i>			
<i>Please see MB.com for full explanation of price changes</i>			
<b>UK intermerchant weekly price</b>			
<i>£/tonne</i>			
5C loose old light	115-140*	4.08%	▲ 12 Jan 18
<b>UK ferrous scrap export</b>			
<i>MB assessment \$ fob main UK port</i>			
HMS 1&2 (80:20 mix)	351-353*	4.76%	▲ 12 Jan 18
Shredded	356-358*	4.69%	▲ 12 Jan 18
<b>Indian imports</b>			
<i>MB assessment \$/tonne cfr Nhava Sheva</i>			
MB index cfr India shredded	380.45*	1.7%	▲ 12 Jan 18
HMS 1&2 (80:20 mix)	340-350*	0.73%	▲ 12 Jan 18
<b>Alloy steel scrap domestic</b>			
<i>UK wholesale merchants' stainless (£/tonne)</i>			
18/8 solids	960-980*	0.52%	▲ 12 Jan 18
18/8 turnings	815-835*	0.3%	▲ 12 Jan 18
12-13% Cr solids	230-250*	20%	▲ 12 Jan 18
16-17% Cr solids	240-280*	13.04%	▲ 12 Jan 18
<b>Cif Europe stainless € per tonne</b>			
18/8 solids	1,100-1,140*	0.9%	▲ 12 Jan 18
18/8 turnings	990-1,025*	0.75%	▲ 12 Jan 18
<b>Rotterdam export</b>			
<i>MB assessment \$/tonne fob Rotterdam</i>			
MB index fob Rotterdam HMS 1&2 (80:20)	347.92*	1.55%	▲ 12 Jan 18
HMS 1&2 (70:30 mix)	340-342*	4.28%	▲ 12 Jan 18
Shredded	350-352*	4.15%	▲ 12 Jan 18
<b>Turkish import</b>			
<i>MB assessment \$/tonne cfr main Turkish ports</i>			
MB index cfr Turkey HMS 1&2 (80:20) (North Europe material)	366.99*	1.48%	▲ 12 Jan 18
MB index cfr Turkey HMS 1&2 (80:20) (United States material)	378.51*	2.44%	▲ 12 Jan 18
HMS 1&2 (75:25 mix)	359-361*	4.05%	▲ 12 Jan 18
Shredded	380-381*	4.25%	▲ 12 Jan 18

	Price	Change	Assessed
<b>Turkish domestic</b>			
<i>MB assessment delivered</i>			
Melting scrap from shipbreaking (\$/tonne)	359-362*	4.49%	▲ 08 Jan 18
Auto bundle scrap (Turkish lira/tonne)	1,230-1,370*	1.17%	▲ 08 Jan 18
<b>USA export</b>			
<i>AMM ferrous scrap export index \$/tonne East Coast fob New York</i>			
HMS 1&2 (80:20)	347*	0%	10 Jan 18
Shredded	352*	0%	10 Jan 18
<b>USA domestic</b>			
<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
<b>China domestic</b>			
<i>yuan/tonne delivered mill</i>			
Heavy scrap	2,460-2,690*	-1.15%	▼ 12 Jan 18
<b>Taiwan import</b>			
<i>\$/tonne cfr main port</i>			
HMS 1&2 (80:20 mix) (USA material)	350-360*	0.71%	▲ 12 Jan 18
<b>Germany domestic</b>			
<i>€/tonne composite sales price ex-yard, source: BDSV</i>			
No E2/8 (new steel scrap)	238.10	-6.77%	▼ 02 Oct 17
No E1 (old steel scrap)	217.40	-7.84%	▼ 02 Oct 17
No E3 (old thick steel scrap)	237.80	-6.3%	▼ 02 Oct 17
No E40 (shredded steel scrap)	240.70	-7.49%	▼ 02 Oct 17
No E5 (steel turnings)	194.90	-8.37%	▼ 02 Oct 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
<b>Italy domestic</b>			
<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
<b>EU imports \$/tonne</b>			
Pig iron imports cif Italy	400-405*	4.55%	▲ 11 Jan 18
<b>Latin American exports \$/tonne, delivery terms as stated</b>			
Hot briquetted iron Venezuela	225-230*	0%	12 Jan 18
Pig iron fob Vitoria/Rio	360-370*	2.82%	▲ 12 Jan 18
Pig iron fob Ponta da Maderia	385-390*	0%	12 Jan 18
<b>US imports \$/tonne cfr Gulf of Mexico</b>			
Pig iron	395-400*	2.58%	▲ 12 Jan 18
<b>CIS exports \$/tonne fob main port</b>			
Pig iron Baltic Sea	390-400*	3.95%	▲ 11 Jan 18
Pig iron Black Sea	370-380*	2.74%	▲ 11 Jan 18
<b>China domestic yuan/tonne delivered warehouse</b>			
Pig iron	3,100-3,150*	-1.57%	▼ 12 Jan 18

† week-on-week change

continued ➤

## NON-FERROUS SCRAP EUROPE

	Price	Change†	Assessed
<b>Aluminium</b>			
European free market MB assessment €/tonne			
Floated frag	1,290-1,330*	1.16% ▲	12 Jan 18
Cast	1,190-1,270*	0.41% ▲	12 Jan 18
Mixed turnings 6%	1,125-1,175*	0.88% ▲	12 Jan 18
<b>Germany per 1000kg</b>			
Pure cuttings	1,370-1,520	0%	10 Jan 18
Commercial cast	1,250-1,300	-0.78% ▼	10 Jan 18
H9 extrusions	1,760-1,830	0.84% ▲	10 Jan 18
Alloy turnings	1,070-1,160	2.29% ▲	10 Jan 18
<i>Source: VDM</i>			
<b>France per 1000kg</b>			
Pure cuttings	1,640-1,660	7.14% ▲	09 Jan 18
Old rolled	780-830	0%	09 Jan 18
Commercial cast	1,000-1,020	0%	09 Jan 18
<i>Source: Lettre d'Information Metaux</i>			
<b>Italy per 1000kg</b>			
Pure cuttings	1,120-1,220	0.86% ▲	05 Jan 18
Old mixed scrap	1,485-1,585	1.99% ▲	05 Jan 18
Commercial cast	1,030-1,080	0.48% ▲	05 Jan 18
<i>Source: Assomet</i>			
<b>Copper</b>			
<b>Germany per 1000kg</b>			
Copper wire (berry)	5,700-5,790	-0.17% ▼	10 Jan 18
Heavy copper	5,120-5,260	0%	10 Jan 18
Heavy brass	3,590-3,650	0%	10 Jan 18
Brass turnings (MS 58)	4,030-4,150	0%	10 Jan 18
Brass sheet (MS 63)	4,200-4,330	0%	10 Jan 18
<i>Source: Verein Deutscher Metallhandler</i>			
<b>France per 1000kg</b>			
Electro cuttings	5,300-5,340	5.35% ▲	09 Jan 18
No 1 bright wire	4,900-4,930	6.27% ▲	09 Jan 18
Mixed (96%)	4,800-4,870	6.85% ▲	09 Jan 18
Brass plate cuttings 70/30	4,000-4,050	3.87% ▲	09 Jan 18
Brass turnings	3,400-3,450	4.58% ▲	09 Jan 18
Mixed brass	3,350-3,400	6.3% ▲	09 Jan 18
<i>Source: Lettre d'Information Metaux</i>			
<b>Italy per 1000kg</b>			
Electrolytic dd EN 12861-S-Cu-2	5,630-5,790	-0.44% ▼	05 Jan 18
Enamelled wire EN 12861-S-Cu-3	5,465-5,627	-0.45% ▼	05 Jan 18
New from tubes, strips etc EN 12861-S-Cu-4	5,520-5,748	-0.44% ▼	05 Jan 18
Old from tubes, strips etc 12861-S-Cu-7	5,305-5,475	-0.46% ▼	05 Jan 18
EN12861-S-Cu-Zn-1-A-Cu 63.5%	4,548-4,633	0.11% ▲	05 Jan 18
Mixed from valves/taps EN 12861-S-Cu-Zn-6	3,725-4,055	0.26% ▲	05 Jan 18
Several 95% m/m 12861-S-Cu-Zn-7	3,805-3,883	0.13% ▲	05 Jan 18
<i>Source: Assomet</i>			

## STEEL BENCHMARKER™ SCRAP PRICES

	Price	Change†	Assessed
<b>Region: USA, east of the Mississippi</b>			
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
<b>Aluminium - actual price</b>			
£ per tonne			
Group 1 pure 99% & Litho	1,420-1,465*	0%	10 Jan 18
Commercial pure cuttings	1,180-1,230*	0%	10 Jan 18
Clean HE9 extrusions	1,410-1,460*	0%	10 Jan 18
Loose old rolled cuttings	880-920*	0%	10 Jan 18
Baled old rolled	950-970*	0%	10 Jan 18
Commercial cast	1,030-1,080*	0%	10 Jan 18
Cast wheels	1,270-1,300*	0%	10 Jan 18
Commercial turnings	700-750*	0%	10 Jan 18
Group 7 turnings	610-650*	0%	10 Jan 18

## MB and LME aluminium scrap discounts

£ per tonne			
Group 1 pure 99% & Litho	147-192*	-22.43% ▼	10 Jan 18
Commercial pure cuttings	382-432*	-10.75% ▼	10 Jan 18
Clean HE9 extrusions	152-202*	-21.68% ▼	10 Jan 18
Loose old rolled cuttings	474-514*	9.78% ▲	10 Jan 18
Baled old rolled	424-444*	11.28% ▲	10 Jan 18
Commercial cast	314-364*	14.92% ▲	10 Jan 18
Cast wheels	94-124*	67.69% ▲	10 Jan 18
Commercial turnings	587-694*	2.48% ▲	10 Jan 18
Group 7 turnings	744-784*	6.11% ▲	10 Jan 18

## Titanium

\$/lb cif			
Turnings, unprocessed type 90/6/4 (0.5% Sn max)	1-1.05*	0%	10 Jan 18
Turnings, unprocessed 90/6/4 (over 0.5% max 2% Sn)	0.90-0.95*	-5.13% ▼	10 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 <sup>1</sup>	Assessed
<b>Aluminium UK £/tonne</b>			
<b>MB free market</b>			
LM24 pressure diecasting ingot	1,610-1,660*	0%	10 Jan 18
LM6/LM25 gravity diecasting ingot	1,800-1,855*	0%	10 Jan 18
NB: prices expressed delivered consumer works, LM series as specified in BS1490			
<b>Aluminium Europe</b>			
<b>MB free market</b>			
Duty paid delivered works pressure diecasting ingot price (DIN226/A380) - €/tonne	1,800-1,850*	1.67% ▲	12 Jan 18
<b>Aluminum US \$/lb delivered Midwest</b>			
A380.1 alloy	0.97-0.99*	0%	11 Jan 18
<b>AFFIMET €/tonne</b>			
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			
<b>VDM €/1000 kg delivered</b>			
DIN 226	2,420-2,520	0%	10 Jan 18
DIN 231	2,500-2,600	0%	10 Jan 18
DIN 311	2,480-2,580	0%	10 Jan 18
<b>Aluminium bronze £/tonne UK</b>			
AB1 ex-works	5,200	0%	09 Jan 18
AB2 ex-works	5,250	0%	09 Jan 18
Source: C.F. Booth Ltd			
<b>Brass UK £/tonne</b>			
SCB3 ex-works	4,220	0%	09 Jan 18
High tensile HTB1 ex-works	4,520	0%	09 Jan 18
Source: C.F. Booth Ltd			
<b>Gunmetal UK £/tonne</b>			
LG2 85/5/5/5 ex-works	4,940	0%	09 Jan 18
LG4 87/7/3/3 ex-works	5,540	0%	09 Jan 18
G1 1.15 PB ex-works	6,280	0%	09 Jan 18
Source: C.F. Booth Ltd			
<b>Phosphor bronze UK £/tonne</b>			
PB1 ex-works	6,750	0%	09 Jan 18
Source: C.F. Booth Ltd			
<b>Phosphor copper £/tonne</b>			
10% P ex-works	6,400	0%	09 Jan 18
15% P ex-works	6,450	0%	09 Jan 18
Source: C.F. Booth Ltd			
<b>Zinc alloys UK £/tonne</b>			
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

# Metal Bulletin

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## FOUNDRY INGOTS

	Low	High
<b>Aluminium</b>		
LM24, £/tonne	1,610.00	1,660.00
LM6/LM25, £/tonne	1,801.25	1,855.00
Aluminium Europe α/tonne	1,748.00	1,804.00
<b>Phosphor Bronze</b>		
PB1 ex-works, £/tonne	6,650.00	
<b>Zinc Alloy</b>		
ZL3, £/tonne	2,933.00	

## 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
	Low	High	average
	\$	\$	\$
<b>Aluminium (\$)</b>			
Cash	1,700.50	2,245.50	2,070.38
3 months	1,688.25	2,256.75	2,086.88
Settlement	1,701.00	2,246.00	2,070.74
3 months seller	1,688.50	2,257.00	2,087.34
<b>Copper Grade A (\$)</b>			
Cash	5,465.75	7,215.50	6,800.63
3 months	5,490.50	7,251.25	6,838.08
Settlement	5,466.00	7,216.00	6,801.16
3 months seller	5,491.00	7,251.50	6,839.03
<b>Copper Grade A (£)</b>			
Settlement	4,215.29	5,373.77	5,072.39
3 months seller	4,217.78	5,379.45	5,083.94
<b>Lead (\$)</b>			
Cash	2,006.75	2,586.00	2,508.20
3 months	2,021.00	2,592.50	2,506.78
Settlement	2,007.00	2,586.50	2,508.82
3 months seller	2,022.00	2,593.00	2,507.45
<b>Lead (£)</b>			
Settlement	1,575.55	1,954.87	1,871.19
3 months seller	1,575.54	1,955.53	1,864.03
<b>Nickel (\$)</b>			
Cash	8,712.50	12,827.50	11,405.66
3 months	8,775.00	12,882.50	11,459.47
Settlement	8,715.00	12,830.00	11,409.21
3 months seller	8,780.00	12,885.00	11,463.95
<b>Tin (\$)</b>			
Cash	18,757.50	21,295.00	19,432.11
3 months	18,755.00	21,212.50	19,353.29
Settlement	18,760.00	21,300.00	19,440.00
3 months seller	18,760.00	21,225.00	19,364.21

	Jan-Dec 2017		December
	Low	High	average
	\$	\$	\$
<b>Zinc (\$)</b>			
Cash	2,434.25	3,369.75	3,192.04
3 months	2,450.25	3,306.50	3,188.09
Settlement	2,434.50	3,370.00	3,192.47
3 months seller	2,450.50	3,309.00	3,188.71
<b>Cobalt (\$)</b>			
Cash	32,750.00	75,250.00	72,360.53
3 months	32,750.00	75,250.00	72,305.26
Settlement	33,000.00	75,500.00	72,589.47
3 months seller	33,000.00	75,500.00	72,544.74
<b>Molybdenum (\$)</b>			
Cash	15,000.00	17,250.00	15,750.00
3 months	15,000.00	17,250.00	15,763.16
Settlement	15,250.00	17,500.00	16,000.00
3 months seller	15,250.00	17,500.00	16,026.32
<b>Aluminium Alloy (\$)</b>			
Cash	1,540.00	1,915.00	1,802.63
3 months	1,560.00	1,930.00	1,817.63
Settlement	1,545.00	1,920.00	1,807.63
3 months seller	1,565.00	1,935.00	1,822.63
<b>Nasaa (\$)</b>			
Cash	1,695.00	1,990.25	1,845.67
3 months	1,725.00	2,007.50	1,860.53
Settlement	1,700.00	1,990.50	1,847.97
3 months seller	1,730.00	2,010.00	1,864.29

## LME SETTLEMENT CONVERSION RATES

\$/£	1.34
\$/yen	112.91
\$/€	1.18