

Prices

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NEW YORK FUTURES				
	Price	Change [†]	Assessed	
Comex: Copper high grade cents/lb				
Settlement	266.60	2.48% ▲	26 Jan 17	
Open interest	274,518	8.05% ▲	25 Jan 17	
Stocks (short ton)	99,388	3.06% ▲	25 Jan 17	
Comex: Gold \$/troy oz				
Settlement	1,189.50	-0.95% ▼	26 Jan 17	
Open interest	470,492	1.05% ▲	25 Jan 17	
Stocks (troy oz)	8,993,027	0.13% ▲	25 Jan 17	
Nymex: Palladium \$/troy oz				
Settlement	724.45	-3.55% ▼	26 Jan 17	
Stocks (troy oz)	63,600	-0.47% ▼	25 Jan 17	
Nymex: Platinum \$/troy oz				
Settlement	977.90	2.63% ▲	26 Jan 17	
Stocks (troy oz)	230,960	-0.61% ▼	25 Jan 17	
Comex: Silver cents/troy oz				
Settlement	1,681.40	-0.9% ▼	26 Jan 17	
Open interest	177,295	1.77% ▲	25 Jan 17	
SHANGHAI FUTURES				
	Price	Change [†]	Assessed	
Aluminium yuan/tonne	13,765	3.61% ▲	26 Jan 17	
Copper yuan/tonne	47,770	2.55% ▲	26 Jan 17	
Nickel cathode yuan/tonne	80,110	-4.12% ▼	26 Jan 17	
Tin ingot yuan/tonne	143,990	-4.56% ▼	26 Jan 17	
Zinc yuan/tonne	23,555	5.77% ▲	26 Jan 17	
Steel rebar month 1 yuan/tonne	3,307	0.76% ▲	26 Jan 17	
Steel rebar month 2 yuan/tonne	3,351	2.13% ▲	26 Jan 17	
Steel rebar month 3 yuan/tonne	3,348	2.73% ▲	26 Jan 17	
Weekly stocks deliverable				
Aluminium (tonnes)	118,551	0.27% ▲	20 Jan 17	
Copper (tonnes)	172,979	1.28% ▲	20 Jan 17	
Nickel cathode (tonnes)	89,609	-1.06% ▼	20 Jan 17	
Tin ingot (tonnes)	3,599	-6.42% ▼	20 Jan 17	
Zinc (tonnes)	159,091	-0.11% ▼	20 Jan 17	
Steel rebar (tonnes)	25,209	0%	20 Jan 17	
DAILY METAL AND STEEL				
<i>London forward LME settlement prices. All prices per tonne, unless otherwise stated, in LME warehouse, EU duty, if any paid for buyers account</i>				
	Price	Change [†]	Assessed	
Aluminium high grade \$				
Cash official	1,826.5-1,827.5	-0.64% ▼	27 Jan 17	
Cash unofficial	1,828.5-1,830.5	-0.16% ▼	26 Jan 17	
3 months official	1,823-1,823.5	-0.5% ▼	27 Jan 17	
3 months unofficial	1,826-1,828	0.11% ▲	26 Jan 17	
LME Tapo notional average price (NAP)	1,786.19	1.46% ▲	26 Jan 17	
LME stocks (tonnes)	2,278,225	-0.89% ▼	26 Jan 17	
Aluminium alloy (A380.1/DIN/D12S) \$				
LME cash official	1,600-1,610	0.63% ▲	27 Jan 17	
LME cash unofficial	1,598.5-1,608.5	1.14% ▲	26 Jan 17	
LME 3 months official	1,615-1,625	0.62% ▲	27 Jan 17	
LME 3 months unofficial	1,615-1,625	1.25% ▲	26 Jan 17	
LME stocks (tonnes)	13,280	0%	26 Jan 17	

	Price	Change	Assessed	
N. American special aluminium alloy				
LME cash official	1,775-1,785	1.71% ▲	27 Jan 17	
LME cash unofficial	1,776.5-1,786.5	2% ▲	26 Jan 17	
LME 3 months official	1,795-1,805	1.69% ▲	27 Jan 17	
LME 3 months unofficial	1,795-1,805	1.98% ▲	26 Jan 17	
LME stocks (tonnes)	105,060	2.56% ▲	26 Jan 17	
Copper grade A \$				
LME cash official	5,846.5-5,847	2.47% ▲	27 Jan 17	
LME cash unofficial	5,888.5-5,890.5	3.32% ▲	26 Jan 17	
LME 3 months official	5,864-5,864.5	2.3% ▲	27 Jan 17	
LME 3 months unofficial	5,907-5,909	3.18% ▲	26 Jan 17	
LME Tapo notional average price (NAP)	5,714.5	0.74% ▲	26 Jan 17	
LME stocks (tonnes)	263,775	-4.22% ▼	26 Jan 17	
Lead \$				
LME cash official	2,364-2,365	2.41% ▲	27 Jan 17	
LME cash unofficial	2,347.5-2,350.5	2.73% ▲	26 Jan 17	
LME 3 months official	2,310-2,315	0.63% ▲	27 Jan 17	
LME 3 months unofficial	2,342-2,345	2.83% ▲	26 Jan 17	
LME stocks (tonnes)	192,775	-1.36% ▼	26 Jan 17	
Nickel \$				
LME cash official	9,375-9,380	-3.65% ▼	27 Jan 17	
LME cash unofficial	9,370-9,390	-5.37% ▼	26 Jan 17	
LME 3 months official	9,420-9,430	-3.78% ▼	27 Jan 17	
LME 3 months unofficial	9,430-9,450	-5.24% ▼	26 Jan 17	
LME stocks (tonnes)	381,714	2.61% ▲	26 Jan 17	
Tin \$				
LME cash official	19,950-19,975	-1.11% ▼	27 Jan 17	
LME cash unofficial	20,070-20,120	-3.27% ▼	26 Jan 17	
LME 3 months official	19,965-19,985	-0.99% ▼	27 Jan 17	
LME 3 months unofficial	20,100-20,150	-3.13% ▼	26 Jan 17	
LME stocks (tonnes)	5,450	30.38% ▲	26 Jan 17	
Zinc special high grade \$				
LME cash official	2,761-2,762	0.92% ▲	27 Jan 17	
LME cash unofficial	2,795.5-2,796.5	1.71% ▲	26 Jan 17	
LME 3 months official	2,768-2,770	0.82% ▲	27 Jan 17	
LME 3 months unofficial	2,807-2,808	1.54% ▲	26 Jan 17	
LME stocks (tonnes)	400,925	-3.24% ▼	26 Jan 17	
Cobalt min 99.3%				
LME cash official	36,750-37,250	3.5% ▲	27 Jan 17	
LME 3 months official	36,750-37,250	3.5% ▲	27 Jan 17	
LME stocks (tonnes)	704	-0.28% ▼	26 Jan 17	
Molybdenum \$				
LME cash official	14,750-15,250	0%	27 Jan 17	
LME 3 months official	14,750-15,250	0%	27 Jan 17	
LME stocks (tonnes)	0	0%	26 Jan 17	
Steel billet				
LME cash official	300-325	0%	27 Jan 17	
LME cash unofficial	300-325	0%	26 Jan 17	
LME 3 months official	300-325	0%	27 Jan 17	
LME 3 months unofficial	300-325	0%	26 Jan 17	
LME stocks (tonnes)	0	0%	26 Jan 17	

† week-on-week change

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Gold \$/troy oz	Price	Change	Assessed
London morning	1,184.20	-1.24% ▼	27 Jan 17
London afternoon	1,189.70	-0.53% ▼	26 Jan 17
Handy/Harman	1,189.70	-0.53% ▼	26 Jan 17
Silver per troy oz			
London spot pence	1,332.48	-3% ▼	27 Jan 17
London spot cents	1,670	-1.12% ▼	27 Jan 17
Handy/Harman	1,672.5	-0.95% ▼	26 Jan 17
Palladium \$/troy oz			
London morning	737	-1.6% ▼	26 Jan 17
London afternoon	717	-4.53% ▼	26 Jan 17
Platinum \$/troy oz			
London morning	981	1.76% ▲	26 Jan 17
London afternoon	972	1.67% ▲	26 Jan 17
Kuala Lumpur tin market			
Tin \$/tonne	20,050	-2.91% ▼	27 Jan 17
ICDX			
Tin PB300 settlement price \$/tonne	20,200	-3.12% ▼	27 Jan 17
Tin PB300 volume, tonnes	58	65.71% ▲	27 Jan 17

RAND FIXING PRICES

Rand fixing prices per tonne for London Metal Exchange trade

	Price	Change [†]	Assessed
Copper	78,517.61	1.56% ▲	27 Jan 17
Aluminium	24,540.95	-1.51% ▼	27 Jan 17
Lead	31,758.88	1.52% ▲	27 Jan 17
Zinc	37,090.07	0.04% ▲	27 Jan 17
Nickel	125,961.21	-4.5% ▼	27 Jan 17
Tin	268,238.28	-1.99% ▼	27 Jan 17

EXCHANGE RATES

	Price	Change [†]	Assessed
LME settlement conversion rates			
\$/£	1.2537	2.1% ▲	27 Jan 17
\$/¥	115.2000	-0.04% ▼	27 Jan 17
\$/€	1.0675	0.44% ▲	27 Jan 17
Closing rates, midpoint			
\$/£	1.2589	2.32% ▲	26 Jan 17
\$/¥	114.7450	-0.48% ▼	26 Jan 17
\$/€	1.0668	0.53% ▲	26 Jan 17
£/€	1.1800	1.77% ▲	26 Jan 17
\$/CNY	6.8780	0.02% ▲	26 Jan 17

BASE METALS ARBITRAGE

	Price	Change [†]	Assessed
Aluminium			
Import arbitrage, \$/tonne	-334.99*	-2.38% ▼	26 Jan 17
Import arbitrage, RMB/tonne	-2,310.32*	-2.19% ▼	26 Jan 17
Copper			
Import arbitrage, \$/tonne	-166.85*	83.03% ▲	26 Jan 17
Import arbitrage, RMB/tonne	-1,150.68*	83.36% ▲	26 Jan 17
Nickel			
Import arbitrage, \$/tonne	-212.99*	-19.21% ▼	26 Jan 17
Import arbitrage, RMB/tonne	-1,468.89*	-19.06% ▼	26 Jan 17
Zinc			
Import arbitrage, \$/tonne	-118.68*	-37.43% ▼	26 Jan 17
Import arbitrage, RMB/tonne	-818.52*	-37.31% ▼	26 Jan 17

MB BASE METAL PREMIUMS

All prices \$/tonne unless otherwise stated

*MB Copyright

	Price	Change [†]	Assessed
Copper			
Rotterdam, Grade A, cathode, cif, \$/tonne	35.0–45.0*	0%	24 Jan 17
North European warrants, Grade A cathode, in-warehouse, \$/tonne	10.0–20.0*	0%	24 Jan 17
Leghorn, copper low-high premium, Grade A, cathode, cif, \$/tonne	55.0–55.0*	-4.35% ▼	24 Jan 17
Leghorn, copper average premium, Grade A, cathode, cif, \$/tonne	55.00*	0%	24 Jan 17
South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne	55.0–65.0*	0%	24 Jan 17
South Korea, copper average premium, Grade A, cathode, cif, \$/tonne	60.00*	0%	24 Jan 17
Southeast Asian warrants, Grade A cathode, in-warehouse, \$/tonne	5.0–10.0*	0%	24 Jan 17
Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne	55.0–65.0*	0%	27 Jan 17
Shanghai, copper average premium, Grade A, cathode, in-warehouse, \$/tonne	60.00*	0%	27 Jan 17
Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne	50.0–60.0*	0%	27 Jan 17
Shanghai, copper average premium, Grade A, cathode, cif, \$/tonne	57.00*	-1.72% ▼	27 Jan 17
MB free market US: High-grade cathode premium indicator, \$/tonne	110.2–115.7*	-2.38% ▼	24 Jan 17
Aluminium			
Aluminium P1020A, in-whs Rotterdam duty unpaid, spot low-high, \$/tonne	80.0–90.0*	6.25% ▲	27 Jan 17
Aluminium P1020A, in-warehouse Rotterdam duty unpaid, spot weighted average, \$/tonne	84.00*	0.6% ▲	27 Jan 17
Aluminium P1020A, cif Korea (Gwangyang or Busan), spot low-high, \$/tonne	95.00–100.00*	2.63% ▲	24 Jan 17
Aluminium P1020A, cif Korea (Gwangyang or Busan), spot weighted average, \$/tonne	99.00*	3.12% ▲	24 Jan 17
Aluminium P1020A, Southeast Asian warrants, in-warehouse, \$/tonne	5.0–15.0*	0%	24 Jan 17
Aluminium P1020A, cif Shanghai, spot low-high, \$/tonne	80.0–90.0*	0%	24 Jan 17
Aluminium P1020A, cif Shanghai, spot weighted average, \$/tonne	84.00*	0%	24 Jan 17
Aluminium P1020A, cif main Japanese ports, spot low-high, \$/tonne	90.0–95.0*	0%	24 Jan 17
Aluminium P1020A, cif main Japanese ports, spot weighted average, \$/tonne	95.00*	0%	24 Jan 17
Aluminium ingot ADC 12 spot, main Japanese ports, \$/tonne	1,765*	0%	25 Jan 17
Aluminium P1020A, cif main Japanese ports, quarterly, \$/tonne	95.0–95.0*	26.67% ▲	01 Jan 17
Aluminium extrusion billet premium 6063 cif Japan, yearly, \$/tonne	140.0–170.0*	0%	13 Jan 17
Aluminium P1020A, in-warehouse Rotterdam duty-paid, spot \$/tonne	130.0–145.0*	1.85% ▲	27 Jan 17
Aluminium P1020A, in-warehouse Rotterdam duty-paid, for delivery three months forward, \$/tonne	130.0–145.0*	1.85% ▲	27 Jan 17
Aluminium 6063 extrusion billet, in-whs Rotterdam duty-paid, spot, \$/tonne	295.0–320.0*	0.82% ▲	20 Jan 17
Aluminium P1020A, delivered US midwest, spot, \$/lb	0.093–0.095*	4.17% ▲	24 Jan 17
Aluminium P1020A, delivered Sao Paulo region, spot, \$/tonne	220.0–260.0*	0%	24 Jan 17
Aluminium P1020A, cif Brazilian main ports duty-unpaid, spot, \$/tonne	160.0–200.0*	0%	24 Jan 17
Aluminium 6063 + 6060 extrusion			

† week-on-week change

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	Price	Change	Assessed
billet, cif Brazilian main ports, spot (premium over LME cash), \$/tonne	280.0–320.0*	0%	20 Jan 17
Lead			
North European warrants, min 99.97% ingots, in-warehouse, \$/tonne	15.0–25.0*	33.33% ▲	24 Jan 17
Southeast Asian warrants, min 99.97% ingots, in-warehouse, \$/tonne	15.0–25.0*	33.33% ▲	24 Jan 17
USA lead premium 99.97%, delivered domestic, \$/lb	0.09–0.11*	0%	24 Jan 17
Nickel			
Shanghai, nickel low-high premium, 99.8% purity in-warehouse, \$/tonne	140.0–160.0*	0%	24 Jan 17
Shanghai, nickel average premium, 99.8% purity in-warehouse, \$/tonne	150.00*	0%	24 Jan 17
Shanghai, nickel low-high premium, 99.8% purity, full plate, cif, \$/tonne	140.0–160.0*	0%	24 Jan 17
Shanghai, nickel premium, 99.8% purity full plate, cif, \$/tonne	145.00*	0%	24 Jan 17
Southeast Asian warrants, min 99.80% full plates, in-warehouse, \$/tonne	35–60*	90% ▲	24 Jan 17
Southeast Asian warrants, min 99.80% briquettes, in-warehouse, \$/tonne	5–15*	0%	24 Jan 17
uncut cathodes premium indicator	80.0–120.0*	11.11% ▲	24 Jan 17
4x4 cathodes premium indicator	200.0–225.0*	0%	24 Jan 17
briquettes premium indicator	100.0–160.0*	0%	24 Jan 17
US: melting premium indicator, \$/lb	0.160–0.240*	0%	24 Jan 17
Tin			
MB European free market			
Spot premium 99.9%, \$/tonne	320–370*	0%	24 Jan 17
Spot premium 99.85%, \$/tonne	285–325*	–2.4% ▼	24 Jan 17
United States New York spot, cents/lb	935–936	–3.31% ▼	26 Jan 17
Zinc			
North European warrants, min 99.995% SHG ingots, \$/tonne	70.0–90.0*	0%	24 Jan 17
MB EU: Special high grade, fca Rotterdam, \$/tonne	135.0–145.0*	0%	24 Jan 17
Malaysia in-warehouse, 99.995% SHG ingots, \$/tonne	80.0–90.0*	0%	24 Jan 17
Singapore, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne	80.0–90.0*	0%	24 Jan 17
Singapore, zinc average premium, 99.995% purity, in-warehouse, \$/tonne	87.00*	2.35% ▲	24 Jan 17
Shanghai, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne	120.0–135.0*	–3.77% ▼	24 Jan 17
Shanghai, zinc average premium, 99.995% purity, in-warehouse, \$/tonne	125.00*	–4.58% ▼	24 Jan 17
MB US: Special high grade, \$/lb	0.060–0.065*	0%	24 Jan 17

BASE METALS			
	Price	Change*	Assessed
Alumina			
MB Chinese free market, metallurgical grade, delivered duty paid, RMB/tonne	2,950.0–3,100.0*	0%	26 Jan 17
Alumina Index fob Australia	337.11*	–0.62% ▼	26 Jan 17
Alumina Index fob Brazil	–2.25*		19 Jan 17
Alumina Index fob Brazil, inferred Brazil price \$ per dry metric ton	336.98*		19 Jan 17
Copper & Brass			
Producer premium			
Codelco: Contract 2016 Grade A cathode (average)	92.0	–17.86% ▼	04 Jan 16
Germany: (VDM) Electro, €/tonne wirebar (DEL):	5,538.4–5,567.6	1.77% ▲	25 Jan 17
cathodes:	5,500.0–5,600.0	2.4% ▲	25 Jan 17
South Africa: Palabora copper rod 7.90mm, Rand/tonne	89,549.360	3.34% ▲	03 Jan 17
Copper concentrate Asia-Pacific Index RC import, US cents/lb (twice monthly on 15th and last day of month)	8.62–8.62*	3.61% ▲	13 Jan 17
Copper concentrate Asia-Pacific Index TC import, \$/dm (twice monthly on 15th and last day of month)	86.20–86.20*	3.61% ▲	13 Jan 17
Shanghai bonded copper stocks, tonnes	480,000–480,000*3.23%	▲	16 Jan 17
Nickel			
Nickel pig iron high grade NPI content 10–15% contract price delivered duty paid China RMB per nickel unit price	910.00–920.00*	–0.54% ▼	24 Jan 17
Nickel pig iron high grade NPI content 10–15% spot price China RMB per nickel unit price	900.00–920.00*	–1.09% ▼	24 Jan 17
Nickel ore			
Laterite ore with 1.5% nickel content cif China, \$/tonne	45–46*	–2.15% ▼	24 Jan 17
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	60–62*	–0.81% ▼	24 Jan 17
Lead			
Germany: (VDM) virgin soft, €/tonne	2,420.00–2,420.00	2.54% ▲	25 Jan 17
European automotive battery premium free market (Eurobat)			
in-warehouse Rotterdam €/tonne			
Soft lead (average)	155.55*	0.05% ▲	30 Nov 16
Ca/Ca grid grid lead (average)	423.24*	1.07% ▲	30 Nov 16
Connector lead (average)	543.80*	–5.42% ▼	30 Nov 16
European industrial battery premium free market (Eurobat)			
in-warehouse Rotterdam €/tonne			
Stand-by refined or soft lead (average)	260.65*	5.19% ▲	30 Nov 16
Traction refined or soft lead (average)	265.50	6% ▲	30 Nov 16
<i>For an explanation of these premiums, see http://www.eurobat.org/statistics</i>			
Zinc			
Germany: (VDM) virgin, €/tonne	2,770.00–2,770.00	1.84% ▲	25 Jan 17
UK: Special high grade, delivered monthly average price £/tonne	2,311*	–1.28% ▼	03 Jan 17

† week-on-week change

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PRECIOUS METALS			
	Price	Change [†]	Assessed
Iridium			
MB free market: min 99.9%, \$/troy oz in-warehouse	665–765*	2.14% ▲	27 Jan 17
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	700	0%	27 Jan 17
Engelhard base price: \$/troy oz	710	1.43% ▲	26 Jan 17
Palladium			
European free market: min 99.9%, \$/troy oz in-warehouse	713–720*	–5.04% ▼	27 Jan 17
Engelhard base price: \$/troy oz	738	–1.99% ▼	26 Jan 17
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	720	–5.14% ▼	27 Jan 17
Platinum			
European free market: min 99.9%, \$/troy oz in-warehouse	968–974*	1.3% ▲	27 Jan 17
Engelhard base price: \$/troy oz	987	2.28% ▲	26 Jan 17
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	974	1.25% ▲	27 Jan 17
Rhodium			
European free market: min 99.9%, \$/troy oz in-warehouse	810–910*	0%	27 Jan 17
Engelhard base price: \$/troy oz	855	0.59% ▲	26 Jan 17
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	845	–1.17% ▼	27 Jan 17
Ruthenium			
European free market: min 99.9%, \$/troy oz in-warehouse	32–42*	0%	27 Jan 17
Engelhard base price: \$/troy oz	42	0%	26 Jan 17
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	40	0%	27 Jan 17

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	7,500–7,775*	0%	27 Jan 17
MMTA Standard Grade II, \$/tonne in-warehouse Rotterdam	7,450–7,750*	0%	27 Jan 17
MB Chinese free market MMTA Standard Grade II, delivered duty paid RMB/tonne	49,500–50,000*	0%	25 Jan 17
Arsenic			
MB free market \$/lb	1.00–1.35*	0%	20 Jan 17
Bismuth			
MB free market \$/lb	4.40–4.80*	–3.16% ▼	27 Jan 17
MB China domestic, min 99.99%, RMB/tonne	63,000–66,000*	0%	27 Jan 17
Cadmium			
MB free market min 99.95% cents/lb	65.00–70.00*	0%	27 Jan 17
MB free market min 99.99% cents/lb	68.00–77.00*	0%	27 Jan 17
Chromium			
MB free market alumino-thermic min 99% \$/tonne	7,800–8,100*	0%	27 Jan 17
Cobalt			
MB free market high-grade \$/lb	16.80–17.50*	4.73% ▲	27 Jan 17
MB free market low-grade \$/lb	16.20–17.20*	3.57% ▲	27 Jan 17
MB high-grade, weighted average of all confirmed international trades, \$/lb	17.26*	3.66% ▲	27 Jan 17
MB low-grade, weighted average of all confirmed international trades, \$/lb	16.64*	4.92% ▲	27 Jan 17
MB China domestic, min 99.8% RMB/tonne	305,000–315,000*	0.49% ▲	27 Jan 17
Cobalt tetroxide min 72.6% Co delivered China RMB/tonne	230,000–250,000*	6.67% ▲	27 Jan 17

	Price	Change	Assessed
Gallium			
MB free market \$/kg	145–165*	0%	27 Jan 17
MB China domestic, min 99.99%, RMB/kg	870–930*	0%	25 Jan 17
Germanium			
Germanium dioxide MB free market \$/kg	640–740*	0%	27 Jan 17
Germanium metal \$/kg Rotterdam	870–970*	0%	27 Jan 17
Germanium metal MB China domestic, min 99.999%, RMB/kg	7,200–7,600*	0%	25 Jan 17
Hafnium			
Hafnium 1% Zr max, in-warehouse global locations, \$/kg	950–1,050*	0%	20 Jan 17
Indium			
MB free market \$/kg	190–230*	0%	27 Jan 17
MB China domestic, min 99.99% RMB/kg	1,300–1,350*	0%	25 Jan 17
Indium Corp ingots min 99.97% \$/kg fob	440.00	–40.94% ▼	26 Jun 15
Magnesium			
European free market \$ per tonne	2,050–2,200*	0%	27 Jan 17
China free market min 99.8% Mg, fob China main ports, \$ per tonne	2,050–2,100*	0%	25 Jan 17
MB Chinese free market min 99% Mg, ex-works RMB/tonne	13,600–13,900*	0%	25 Jan 17
Manganese flake			
MB free market \$/tonne	2,150–2,250*	–2.22% ▼	27 Jan 17
Mercury			
MB free market \$ per flask	1,050–1,275*	0%	20 Jan 17
Rhenium in-warehouse Rotterdam duty paid			
Metal pellets, min 99.9% \$/lb	770–900*	0%	20 Jan 17
APR catalytic grade \$/kg Re	1,900–2,150*	0%	20 Jan 17
Selenium			
MB free market \$/lb	12.50–14.50*	0%	27 Jan 17
MB China domestic, min 99.9%, RMB/kg	220–250*	0%	27 Jan 17
Selenium dioxide, MB China domestic, min 98%, RMB/kg	220–240*	0%	27 Jan 17
Silicon			
MB free market €/tonne	1,900–1,950*	3.22% ▲	27 Jan 17
US free market cents/lb	100–102*	2.84% ▲	10 Jan 17
Export from mainland China min 98.5%, \$/tonne fob	1,450–1,500*	0%	25 Jan 17
Tellurium			
MB free market \$/kg	27.50–38.00*	0%	27 Jan 17
MB China domestic, min 99.99%, RMB/kg	370–400*	0%	27 Jan 17
Titanium			
MB free market ferro-titanium 70% (max 4.5% Al) \$/kg Ti d/d Europe	3.45–4.00*	9.56% ▲	27 Jan 17
Titanium ores \$/tonne			
Rutile conc min 95% TiO2 bagged, fob/Aus	770–850	0%	26 Jan 17
Rutile bulk conc min 95% TiO2 fob/Aus	710–770	0%	26 Jan 17
Ilmenite bulk conc min 54% TiO2 fob/Aus	100–110	0%	26 Jan 17

† week-on-week change

continued >>

NOBLE ALLOYS & ORES				
	Price	Change [†]	Assessed	
Molybdenum molybdc oxide				
Europe drummed molybdc oxide \$/lb Mo	7.65–7.80*	7.29%	▲	27 Jan 17
US canned molybdc oxide \$/lb Mo	7.50–7.70*	4.83%	▲	26 Jan 17
Ferro-molybdenum				
Basis 65% min, in-warehouse Rotterdam \$/kg Mo	18.20–18.70*	6.8%	▲	27 Jan 17
US free market 65–70% Mo \$/lb in-warehouse Pittsburgh	8.60–9.00*	2.33%	▲	26 Jan 17
MB Chinese free market concentrate 45% Mo in-warehouse China RMB/mtu	1,030–1,050*	0%		25 Jan 17
Tungsten				
European free market APT \$/mtu	194–199.5*	0.77%	▲	27 Jan 17
Export from mainland China APT Chinese No1 grade, min 88.5% WO3, \$/mtu fob	190–198*	0%		25 Jan 17
MB Chinese free market concentrate 65% WO3 in-warehouse China RMB/tonne	72,000–74,000*	0%		25 Jan 17
Ferro-tungsten				
Basis 75% W min \$/kg W in-warehouse Rotterdam duty unpaid	25.30–25.60*	–0.39%	▼	27 Jan 17
China export min 75% \$/kg W, fob China	25.80–26.00*	–0.19%	▼	25 Jan 17
Vanadium				
Ferro-vanadium basis 78% min, free delivery duty paid consumer plant, 1st grade, Western Europe \$/kg V	24.85–25.75*	0.8%	▲	27 Jan 17
US free market ferro-vanadium \$/lb in-warehouse Pittsburgh	11.90–12.25*	–1.43%	▼	26 Jan 17
Vanadium pentoxide min 98%, in-warehouse Rotterdam \$ per lb V205	5.05–5.40*	0.48%	▲	27 Jan 17
Zircon				
Foundry grade bulk \$/tonne fob Australia	950–1,000	0%		26 Jan 17
Premium bulk \$/tonne fob Australia	1,000–1,050	0%		26 Jan 17
BULK ALLOYS				
	Price	Change [†]	Assessed	
Ferro-chrome \$/lb Cr				
China import charge chrome 50% Cr index, cif Shanghai, duty unpaid	1.19*	0%		27 Jan 17
Spot 6–8% C basis 50% Cr delivered duty paid China RMB/tonne	9,300–9,595*	0%		27 Jan 17
Contract 6–8% C basis 50% Cr delivered duty paid China RMB/tonne	9,300–9,595*	0%		27 Jan 17
Lumpy Cr charge basis 52% Cr (and high carbon) quarterly	1.65*	50%	▲	16 Dec 16
6–8% C basis 60% Cr max 1.5% Si	1.35–1.52*	0.17%	▲	27 Jan 17
0.10% C average 60–70% Cr	2.15–2.23*	0.69%	▲	27 Jan 17
European low carbon in-warehouse 0.06% C max – 65% Cr	2.18–2.25*	0.68%	▲	27 Jan 17
Low phosphorous Cr min 65% C max 7% Si max 1% p max 0.015% Ti max 0.05%	1.40–1.55*	10.07%	▲	27 Jan 17
Japan import 8–9% C, basis 60% Cr, cif Japan, duty unpaid \$/lb contained chrome	1.20–1.25*	0%		26 Jan 17
South Korea import 8–9% C, basis 60% Cr, cif South Korea, duty unpaid \$/lb contained chrome	1.15–1.18*	–0.85%	▼	26 Jan 17
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	1.400–1.470*	–4.33%	▼	26 Jan 17
0.05% C – 65% min Cr	2.20–2.25*	0%		26 Jan 17
0.10% C – 62% min Cr	2.10–2.15*	0%		26 Jan 17
0.15% C – 60% min Cr	2.05–2.09*	0%		26 Jan 17

	Price	Change	Assessed
Chrome ore \$/tonne			
<i>Chrome ore cif main Chinese ports</i>			
South African UG2 chrome ore concs, basis 42%	390–400*	0%	27 Jan 17
Turkish lumpy 40–42% cfr main Chinese ports	400–410*	–1.22% ▼	27 Jan 17
Ferro-manganese			
basis 78% Mn (scale pro rata) standard 7.5% C /tonne	1,300–1,400*	0%	27 Jan 17
US free market 78% Mn standard 7.5% C \$/long ton in-warehouse Pittsburgh	1,400–1,450*	0.88% ▲	26 Jan 17
US free market medium carbon duty paid fob Pittsburgh, 80% min Mn 1.5% max C \$/lb	1.08–1.12*	4.27% ▲	26 Jan 17
MB Chinese free market min 65% Mn max 7.0% C in-warehouse China RMB/tonne	7,600–7,800*	0%	27 Jan 17
Manganese ore			
44% Mn, cif Tianjin \$/dmtu of metal contained	6.20*	–10.4% ▼	27 Jan 17
37% Mn, fob Port Elizabeth \$/dmtu of metal contained	4.80*	–11.6% ▼	27 Jan 17
Ferro-silicon			
Lumpy basis 75% Si (scale pro rata) /tonne	1,140–1,200*	0%	27 Jan 17
US free market \$/lb in-warehouse Pittsburgh lumpy basis 75% Si – imported	0.80–0.84*	0%	26 Jan 17
Export from mainland China, min 75% Si, 7.5% C, \$/tonne, fob	1,100–1,150*	0%	27 Jan 17
MB Chinese free market min 75% in-warehouse China RMB/tonne	5,300–5,600*	0%	27 Jan 17
Silico-manganese			
Lumpy basis 65–75% Mn basis 15–19% Si (scale pro rata) /tonne	1,220–1,300*	0%	27 Jan 17
US free market \$/lb in-warehouse Pittsburgh	0.68–0.70*	0%	26 Jan 17
MB Chinese free market min 65% Mn max 17% Si in-warehouse China RMB/tonne	7,300–7,500*	0%	27 Jan 17
65% min Mn 16% min Si \$/tonne fob India	1,050–1,090*	0%	27 Jan 17

† week-on-week change

CARBON STEEL – 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	455–460*	12.96% ▲	25 Jan 17
Wire rod (mesh quality)	455–470*	12.8% ▲	25 Jan 17
Plate (8–40mm)	480–500*	0%	25 Jan 17
Hot rolled coil	530–540*	0%	25 Jan 17
Cold rolled coil	625–650*	1.19% ▲	25 Jan 17
Hot-dip galvanized coil	660–680*	-0.74% ▼	25 Jan 17
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	410–415*	13.79% ▲	25 Jan 17
Wire rod (mesh quality)	420–425*	13.42% ▲	25 Jan 17
Plate (8–40mm)	470–480*	0%	25 Jan 17
Hot rolled coil	520–550*	-1.83% ▼	25 Jan 17
Cold rolled coil	605–620*	-3.92% ▼	25 Jan 17
Hot-dip galvanized coil	640–680*	-2.22% ▼	25 Jan 17
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	420–430*	0%	25 Jan 17
Wire rod (mesh quality)	455–460*	0%	25 Jan 17
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	470–485*	-1.04% ▼	25 Jan 17
Wire rod (mesh quality)	470–490*	-1.03% ▼	25 Jan 17
Sections (medium)	610–640*	0%	25 Jan 17
Beams	520–550*	0%	25 Jan 17
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	430–435*	1.17% ▲	25 Jan 17
Wire rod (mesh quality)	455–460*	0%	25 Jan 17
Sections (medium)	600–650*	0%	25 Jan 17
Beams	540–560*	0%	25 Jan 17
Central Europe domestic € per tonne ex-works			
Hot rolled coil	540–550*	0.93% ▲	25 Jan 17
Poland domestic zloty per tonne ex-works			
Rebar	1,970–2,020*	-0.75% ▼	27 Jan 17
Northern Europe € per tonne ex-works			
Plate (8–40mm)	570–590*	0%	25 Jan 17
Hot rolled coil	550–570*	0%	25 Jan 17
Cold rolled coil	650–670*	0%	25 Jan 17
Hot-dip galvanized coil	660–690*	-0.74% ▼	25 Jan 17
Southern Europe € per tonne ex-works			
Plate (8–40mm)	520–550*	0%	25 Jan 17
Hot rolled coil	520–550*	-0.93% ▼	25 Jan 17
Cold rolled coil	620–650*	-0.78% ▼	25 Jan 17
Hot-dip galvanized coil	640–670*	0%	25 Jan 17

CARBON STEEL – 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	445–455*	0%	25 Jan 17

CARBON STEEL – 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	380–390*	-2.78% ▼	23 Jan 17
Slab	415–425*	0%	23 Jan 17
Rebar	410–420*	-1.19% ▼	23 Jan 17
Wire rod (mesh)	435–440*	1.16% ▲	23 Jan 17
Heavy plate (10–50mm)	480–530*	-4.63% ▼	23 Jan 17
Hot rolled coil	478–500*	-0.2% ▼	23 Jan 17
Cold rolled coil	550–558*	1.65% ▲	23 Jan 17
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	32,000–35,100*	0%	23 Jan 17
Hot rolled sheet	39,100–41,300*	-0.36% ▼	23 Jan 17
Cold rolled sheet	47,800–47,850*	-0.05% ▼	23 Jan 17
Plate	38,000–38,500*	2%	23 Jan 17

CARBON STEEL – 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	375–380*	-6.21% ▼	26 Jan 17
Rebar	410–415*	-5.17% ▼	26 Jan 17
Wire rod (mesh quality)	430–435*	-2.81% ▼	26 Jan 17
Merchant bars	440–450*	-2.2% ▼	26 Jan 17
Structural pipe	530–540*	0%	11 Jan 17
Hot rolled coil	520–530*	-0.47% ▼	27 Jan 17
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	380–390*	-1.28% ▼	26 Jan 17
Rebar	400–415*	-2.4% ▼	26 Jan 17
Wire rod (mesh quality)	440–450*	-1.66% ▼	26 Jan 17
Hot rolled coil	520–530*	-1.87% ▼	27 Jan 17
Cold rolled coil	630–635*	-1.56% ▼	27 Jan 17
Hot dip galvanized	710–730*	-2.04% ▼	27 Jan 17
Prepainted galvanized	800–840*	-2.38% ▼	27 Jan 17
Turkish imports			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr main Turkish port</i>			
Billet	400–410*	0%	26 Jan 17
Hot rolled coil	498–500*	-2.63% ▼	27 Jan 17
Cold rolled coil	570–573*	0%	27 Jan 17
UAE imports			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr Jebel Ali</i>			
Billet	392–420*	-1.58% ▼	24 Jan 17
Rebar	425–430*	-2.84% ▼	24 Jan 17
Hot rolled coil	525–530*	0%	24 Jan 17
Cold rolled coil	630–635*	-0.39% ▼	24 Jan 17
Hot dip galvanized coil	675–680*	-1.09% ▼	24 Jan 17
Saudi Arabia imports			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr</i>			
Rebar	425–430*	-3.39% ▼	24 Jan 17
Hot rolled coil	530–535*	0%	24 Jan 17

† week-on-week change

	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	1,818-1,825*	0%	24 Jan 17

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	560-570*	0%	25 Jan 17
Hot rolled coil	505-510*	0%	25 Jan 17
Hot dip galvanized coil	670-700*	0%	25 Jan 17

Egyptian domestic			
<i>Metal Bulletin's appraisal of prices within Egypt for commercial-quality carbon steel of Egyptian origin, £ per tonne ex-works</i>			
Rebar	9,718-9,770*	-2.56%	▼ 26 Jan 17

Egyptian import			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr main port</i>			
Billet	385-390*	-6.06%	▼ 26 Jan 17

CARBON STEEL – 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	380-390*	0%	27 Jan 17
Slab	425-430*	-1.72%	▼ 27 Jan 17
Rebar	405-425*	0%	27 Jan 17
Wire rod mesh quality	405-425*	0%	27 Jan 17
Heavy plate over 10mm	500-510*	0%	27 Jan 17
Hot rolled coil (dry)	490-500*	0%	27 Jan 17
Cold rolled coil	610-615*	0%	27 Jan 17
Galvanized coil	705-710*	0%	27 Jan 17

South America imports			
<i>Metal Bulletin's appraisal of cfr prices for imported, commercial-quality carbon steel, \$ per tonne cfr main ports</i>			
Plate	500-515*	0%	27 Jan 17
Hot rolled coil	525-535*	0%	27 Jan 17
Cold rolled coil	625-640*	0%	27 Jan 17
Galvanized coil	650-660*	0%	27 Jan 17

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	665-675*	3.47%	▲ 13 Jan 17
Cold rolled coil	780-795*	2.61%	▲ 13 Jan 17
Galvanized coil	1,065-1,150*	1.14%	▲ 13 Jan 17
Rebar	800-820*	0%	13 Jan 17

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	3,240-3,480*	0%	13 Jan 17
Cold rolled coil	3,590-3,700*	0%	13 Jan 17
Hot dip galvanized coil	4,050-4,215*	0%	13 Jan 17
<i>Metal Bulletin's appraisal of prices within Brazil for commercial-quality carbon steel, Reais per tonne delivered</i>			
Rebar	2,905-3,045*	0%	13 Jan 17

† week-on-week change

CARBON STEEL – 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	417-422*	-1.64%	▼ 18 Jan 17
Merchant bars	580-600*	0%	06 Jan 17
Wire rod (low carbon)	435-454*	0%	25 Jan 17
Medium sections	600-620*	0%	26 Jan 17
Medium plate	560-570*	4.63%	▲ 25 Jan 17
Hot rolled coil (commodity)	570-590*	-4.13%	▼ 25 Jan 17
Cold rolled coil	680-710*	-1.42%	▼ 25 Jan 17
Hot dipped galvanized 0.012-0.015, G30	840-875*	0.88%	▲ 25 Jan 17
ERW linepipe (X42)	780-780*	21.88%	▲ 10 Jan 17
OCTG API5CT - casing J/K55	850-850*	23.19%	▲ 10 Jan 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)	560-580*	7.55%	▲ 18 Jan 17
Wire rod (mesh quality fob mill)	520-540*	0%	25 Jan 17
Plate (fob mill)	650-650*	3.17%	▲ 20 Jan 17
Hot rolled sheet (fob mill)	630-630*	0%	26 Jan 17
Cold rolled sheet (fob mill)	840-840*	0%	26 Jan 17
Hot-dip galvanized (base) Midwest (fob mill)	840-840*	0%	26 Jan 17
ERW linepipe (X42) (fob mill)	900-900*	7.14%	▲ 10 Jan 17
OCTG API5CT - casing J/K55 (fob mill)	1,000-1,000*	17.65%	▲ 10 Jan 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)	30.50-30.50*	0%	06 Jan 17

CARBON STEEL – 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	435-440*	0%	27 Jan 17
Wire rod (mesh quality)	445-450*	0%	27 Jan 17
Heavy plate	460-465*	1.09%	▲ 27 Jan 17
Hot rolled coil	495-505*	1.01%	▲ 27 Jan 17
Cold rolled coil	585-590*	0.43%	▲ 27 Jan 17
Galvanized coil 1mm	620-625*	0.4%	▲ 27 Jan 17

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	3,200-3,240*	-0.31%	▼ 27 Jan 17
Wire rod (mesh)	3,170-3,200*	0%	27 Jan 17
Sections	3,070-3,120*	0%	27 Jan 17
Plate	3,400-3,440*	0%	27 Jan 17
Hot rolled coil (min 2mm)	3,750-3,800*	0%	27 Jan 17
Cold rolled coil (0.5 - 2 mm)	4,770-4,800*	0%	27 Jan 17
Hot-dip galvanized coil	5,140-5,190*	0%	27 Jan 17

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	2,810-2,810*	0%	27 Jan 17
<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	3,650-3,670*	0%	27 Jan 17
Rebar	3,020-3,050*	0%	27 Jan 17

	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	3,440–3,470*	0%	27 Jan 17
Wire rod (mesh)	3,250–3,280*	0%	27 Jan 17
Sections	3,500–3,520*	0%	27 Jan 17
Plate	3,580–3,630*	0%	27 Jan 17
Hot rolled coil (min 2mm)	3,760–3,800*	0%	27 Jan 17
Cold rolled coil (0.5 – 2 mm)	4,760–4,820*	0%	27 Jan 17
Hot-dip galvanized coil	5,030–5,080*	0%	27 Jan 17
Southeast Asia imports			
<i>Metal Bulletin's appraisal of prices in Southeast Asia for commercial-quality carbon steel per tonne cfr</i>			
Billet	405–430*	-0.6%	▼ 23 Jan 17
Slab (Asia/East Asia)	405–430*	-0.6%	▼ 23 Jan 17
Hot rolled coil (Vietnam)	505–520*	0%	23 Jan 17
Rebar (Singapore)	430–440*	2.35%	▲ 23 Jan 17
Wire rod (low carbon)	445–455*	1.69%	▲ 23 Jan 17
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	400–405*	6.62%	▲ 27 Jan 17
Plate (12–40mm)	485–500*	0%	27 Jan 17
Hot rolled coil (commodity)	500–520*	2.51%	▲ 27 Jan 17
Hot-dip galvanized coil	730–740*	0%	27 Jan 17
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)	490–500*	0%	27 Jan 17
Hot rolled coil (commodity)	530–540*	1.9%	▲ 27 Jan 17
Hot rolled coil (CR grade)	505–510*	-6.88%	▼ 27 Jan 17
Cold rolled	610–620*	0%	27 Jan 17
Indian domestic			
<i>Metal Bulletin's appraisal of prices within India for commercial-quality carbon steel, rupees per tonne ex-works</i>			
Billet	24,200–24,500*	-1.42%	▼ 27 Jan 17
Heavy plate	38,000–38,500*	0%	27 Jan 17
Hot rolled coil	39,500–40,000*	0%	27 Jan 17
Cold rolled coil	43,500–44,000*	0%	27 Jan 17
DRI	15,500–15,600*	-0.32%	▼ 27 Jan 17
Hot-dip galvanized coil	49,000–49,500*	-2.96%	▼ 27 Jan 17
Rebar	25,000–25,600*	-0.78%	▼ 27 Jan 17

STEELBENCHMARKER™ PRICES

	Price	Change [†]	Assessed
Region: USA east of the Mississippi			
Standard plate (\$/metric tonne)	747	6.11%	▲ 23 Jan 17
Standard plate (\$/short ton)	678	6.1%	▲ 23 Jan 17
Hot rolled coil (\$/metric tonne)	690	2.83%	▲ 23 Jan 17
Hot rolled coil (\$/short ton)	626	2.79%	▲ 23 Jan 17
Cold rolled coil (\$/metric tonne)	901	3.68%	▲ 23 Jan 17
Cold rolled coil (\$/short ton)	817	3.68%	▲ 23 Jan 17
Region: Mainland China			
Rebar	404	4.39%	▲ 23 Jan 17
Standard plate	435	1.64%	▲ 23 Jan 17
Hot rolled coil	463	2.21%	▲ 23 Jan 17
Cold rolled coil	584	1.21%	▲ 23 Jan 17
Region: World export market			
Hot rolled coil (\$/metric tonne)	528	1.15%	▲ 23 Jan 17

STAINLESS STEEL			
	Price	Change [†]	Assessed
Asia import			
\$/tonne cif East Asian port			
Grade 304 2mm CR coil 2B	2,200–2,230*	0%	27 Jan 17
Grade 304 HR sheet	2,100–2,120*	0%	27 Jan 17
China domestic			
yuan/tonne, in-warehouse			
Grade 304 2mm CR coil	16,000–16,500*	2.85%	▲ 27 Jan 17
Grade 430 2mm CR coil	9,600–9,650*	0.52%	▲ 27 Jan 17
EU export			
€/tonne fob N. European port			
Min 100 tonne lot			
Grade 304 2mm CR sheet	2,537–2,584*	4.45%	▲ 27 Jan 17
EU domestic			
2mm 304 cold rolled stainless sheet, €/tonne			
N. Europe Base price	1,130–1,150*	0%	27 Jan 17
Alloy surcharge	1,407–1,434*	8.31%	▲ 27 Jan 17
2mm 316 cold rolled stainless sheet, €/tonne			
Base price	1,445–1,470*	0%	27 Jan 17
Alloy surcharge	1,897–1,947*	5.75%	▲ 27 Jan 17
304 stainless steel bright bar, €/tonne			
Base price	970–1,000*	0%	27 Jan 17
Alloy surcharge	1,500–1,647*	0%	27 Jan 17
US domestic			
<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	111–111*	18.72%	▲ 05 Jan 17
Grade 316 coiled plate	143–143*	13.55%	▲ 05 Jan 17
Grade 304 cold rolled sheet	129–129*	17.27%	▲ 05 Jan 17
Grade 316L cold rolled sheet	164–164*	13.89%	▲ 05 Jan 17
Raw materials index			
EU domestic stainless steel \$ per tonne			
304 Europe raw materials index	1,283.52*	1.23%	▲ 23 Jan 17

CHINA IRON ORE

cfr main China port \$ per dry metric tonne

	Price	Change [†]	Assessed
Iron ore index (62% Fe)	83.34*	3.64%	▲ 27 Jan 17
Iron ore pellet index cfr Qingdao (65% Fe)	108.58*	0.6%	▲ 27 Jan 17
Iron ore concentrate index cfr Qingdao (66% Fe)	101.64*	1.03%	▲ 27 Jan 17
Metal Bulletin Indicator for US\$/% Fe in iron ore fines cfr Qingdao	1.30*	13.04%	▲ 03 Jan 17

IRAN IRON ORE

cfr China US \$ per tonne

	Price	Change [†]	Assessed
Iron ore fines index (60% Fe)	74.68–74.68*	-0.7%	▼ 25 Jan 17

COKING COAL

\$ per metric tonne

	Price	Change [†]	Assessed
Premium hard coking coal cfr China	175.67–175.67*	-3.64%	▼ 27 Jan 17
Hard coking coal cfr China	166.20–166.20*	-3.95%	▼ 27 Jan 17
Premium hard coking coal fob Australia	170.39–170.39*	-2.07%	▼ 27 Jan 17
Hard coking coal fob Australia	158.33–158.33*	-3.14%	▼ 27 Jan 17
China hard coking coal Shanxi spot market domestic delivered yuan/tonne	1,420–1,760*	0%	27 Jan 17
65% CSR coke \$/tonne fob Tianjin	285–290*	-2.54%	▼ 24 Jan 17

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				
0A plate and structural	165–175*	6.25% ▲	13 Jan 17	
1&2 old steel	140–150*	7.41% ▲	13 Jan 17	
12A/C new production heavy and shovellable steel	162–172*	6.37% ▲	13 Jan 17	
12D new production heavy and shovellable steel	167–177*	6.17% ▲	13 Jan 17	
Bales and cuttings				
4A new steel bales	169–179*	7.41% ▲	13 Jan 17	
4C new steel bales	164–174*	7.64% ▲	13 Jan 17	
8A new loose light cuttings	159–169*	7.89% ▲	13 Jan 17	
8B new loose light cuttings	144–154*	8.76% ▲	13 Jan 17	
Turnings				
UK inter-merchant 7B heavy steel turnings	110–120*	9.52% ▲	13 Jan 17	
Cast iron				
9A/10 heavy and light cast iron	140–150*	7.41% ▲	13 Jan 17	
9B/C cylinder block scrap	160–170*	6.45% ▲	13 Jan 17	
11A cast iron borings	95–110*	10.81% ▲	13 Jan 17	
<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	57–77*	–22.99% ▼	27 Jan 17	
UK ferrous scrap export				
<i>MB assessment \$/tonne cfr main UK port</i>				
HMS 1&2 (80:20 mix)	213–234*	–14.37% ▼	27 Jan 17	
Shredded	218–239*	–14.1% ▼	27 Jan 17	
Indian imports				
<i>MB assessment \$/tonne cfr Nhava Sheva</i>				
MB index cfr India shredded	274.44*	–5.38% ▼	27 Jan 17	
HMS 1&2 (80:20 mix)	225–235*	–10.68% ▼	27 Jan 17	
Alloy steel scrap domestic				
<i>UK wholesale merchants' stainless (£/tonne)</i>				
18/8 solids	880–910*	–4.28% ▼	27 Jan 17	
18/8 turnings	750–775*	–4.09% ▼	27 Jan 17	
12–13% Cr solids	210–230*	0%	27 Jan 17	
16–17% Cr solids	240–260*	0%	27 Jan 17	
Cif Europe stainless € per tonne				
18/8 solids	1,100–1,120*	–1.33% ▼	27 Jan 17	
18/8 turnings	990–1,010*	–1.48% ▼	27 Jan 17	
Rotterdam export				
<i>MB assessment \$/tonne fob Rotterdam</i>				
MB index fob Rotterdam HMS 1&2 (80:20)	226.78*	–12.45% ▼	27 Jan 17	
HMS 1&2 (70:30 mix)	208–212*	–16% ▼	27 Jan 17	
Shredded	221–223*	–17.78% ▼	27 Jan 17	
Turkish import				
<i>MB assessment \$/tonne cfr main Turkish ports</i>				
MB index cfr Turkey HMS 1&2 (80:20) (North Europe material)	232.88*	–14.7% ▼	27 Jan 17	
MB index cfr Turkey HMS 1&2 (80:20) (United States material)	238.99*	–15.12% ▼	27 Jan 17	
HMS 1&2 (75:25 mix)	225–229*	–14.98% ▼	27 Jan 17	
Shredded	239–260*	–13.07% ▼	27 Jan 17	

	Price	Change	Assessed	
Turkish domestic				
<i>MB assessment delivered</i>				
Melting scrap from shipbreaking (\$/tonne)	245.00–255.00*	–1.38% ▼	23 Jan 17	
Auto bundle scrap (Turkish lira/tonne)	790.00–960.00*	–1.41% ▼	23 Jan 17	
USA export				
<i>AMM ferrous scrap export index \$/tonne East Coast job New York</i>				
HMS 1&2 (80:20)	237.00*	–14.75% ▼	25 Jan 17	
Shredded	242.00*	–14.49% ▼	25 Jan 17	
USA domestic				
<i>AMM Midwest index \$/gross ton delivered mill</i>				
No1 heavy melting scrap	285.12*	14.07% ▲	10 Jan 17	
No1 busheling	313.57*	14.79% ▲	10 Jan 17	
Shredded	305.48*	12.71% ▲	10 Jan 17	
China domestic				
<i>yuan/tonne delivered mill</i>				
Heavy scrap	1,680–1,740*	0%	27 Jan 17	
Taiwan import				
<i>\$/tonne cfr main port</i>				
HMS 1&2 (80:20 mix) (USA material)	252–253*	–0.98% ▼	27 Jan 17	
Germany domestic				
<i>€/tonne composite sales price ex-yard, source: BDSV</i>				
No E2/8 (new steel scrap)	196.30	4.47% ▲	01 Dec 16	
No E1 (old steel scrap)	181.50	3.48% ▲	01 Dec 16	
No E3 (old thick steel scrap)	197.70	2.7% ▲	01 Dec 16	
No E40 (shredded steel scrap)	204.30	2.61% ▲	01 Dec 16	
No E5 (steel turnings)	159.10	3.72% ▲	01 Dec 16	
<i>MB assessment €/tonne delivered at mill</i>				
Grade E40 (shredded steel scrap)	250–260	14.61% ▲	13 Jan 17	
No E8 (thin new production steel scrap)	245–260	14.77% ▲	13 Jan 17	
No E3 (old thick scrap)	235–250	11.49% ▲	13 Jan 17	
Italy domestic				
<i>MB assessment €/tonne delivered at mill</i>				
No E3 (old thick scrap)	240.00	8.99% ▲	20 Jan 17	
No E8 (thin new production steel)	250.00	8.51% ▲	20 Jan 17	
SCRAP SUBSTITUTES				
	Price	Change†	Assessed	
EU imports \$/tonne				
Pig iron imports cif Italy	297–298*	–8.46% ▼	26 Jan 17	
Latin American exports \$/tonne, delivery terms as stated				
Hot briquetted iron Venezuela	200–215*	–3.49% ▼	27 Jan 17	
Pig iron fob Vitoria/Rio	265–270*	–2.73% ▼	27 Jan 17	
Pig iron fob Ponta da Maderia	290–295*	–1.68% ▼	27 Jan 17	
US imports \$/tonne cfr Gulf of Mexico				
Pig iron	305–310*	–1.6% ▼	27 Jan 17	
CIS exports \$/tonne fob main port				
Pig iron Baltic Sea	349–350*	1.3% ▲	26 Jan 17	
Pig iron Black Sea	280–285*	–8.87% ▼	26 Jan 17	
China domestic yuan/tonne delivered warehouse				
Pig iron	2,600–2,670*	0%	27 Jan 17	

† week-on-week change

continued >>

NON-FERROUS SCRAP EUROPE

	Price	Change†	Assessed
Aluminium			
European free market MB assessment €/tonne			
Floated frag	1,260–1,300*	0.79% ▲	27 Jan 17
Cast	1,160–1,240*	0.84% ▲	27 Jan 17
Mixed turnings 6%	1,070–1,120*	0.92% ▲	27 Jan 17
Germany per 1000kg			
Pure cuttings	1,300–1,380	0%	25 Jan 17
Commercial cast	1,240–1,370	0%	25 Jan 17
H9 extrusions	1,620–1,700	0%	25 Jan 17
Alloy turnings	970–1,080	0%	25 Jan 17
Source: VDM			
France per 1000kg			
Pure cuttings	1,540–1,560	3.33% ▲	24 Jan 17
Old rolled	760–780	2.67% ▲	24 Jan 17
Commercial cast	880–900	1.71% ▲	24 Jan 17
Source: Lettre d'Information Metaux			
Italy per 1000kg			
Pure cuttings	1,250–1,350	2.36% ▲	20 Jan 17
Old mixed scrap	1,150–1,200	1.29% ▲	20 Jan 17
Commercial cast	1,055–1,105	1.41% ▲	20 Jan 17
Source: Assomet			
Copper			
Germany per 1000kg			
Copper wire (berry)	5,250–5,460	2% ▲	25 Jan 17
Heavy copper	4,710–4,950	2.11% ▲	25 Jan 17
Heavy brass	3,230–3,470	1.52% ▲	25 Jan 17
Brass turnings (MS 58)	3,600–3,750	1.38% ▲	25 Jan 17
Brass sheet (MS 63)	3,800–3,950	1.31% ▲	25 Jan 17
Source: Verein Deutscher Metallhandler			
France per 1000kg			
Electro cuttings	4,800–4,830	-1.23% ▼	24 Jan 17
No 1 bright wire	4,400–4,450	-2.85% ▼	24 Jan 17
Mixed (96%)	4,300–4,330	-2.38% ▼	24 Jan 17
Brass plate cuttings 70/30	3,650–3,700	-0.68% ▼	24 Jan 17
Brass turnings	2,900–2,950	2.27% ▲	24 Jan 17
Mixed brass	2,800–2,900	0%	24 Jan 17
Source: Lettre d'Information Metaux			
Italy per 1000kg			
Electrolytic dd EN 12861-S-Cu-2	5,181–5,263	-0.38% ▼	20 Jan 17
Enamelled wire EN 12861-S-Cu-3	5,019–5,101	-0.39% ▼	26 Jan 17
New from tubes, strips etc EN 12861-S-Cu-4	5,140–5,222	-0.38% ▼	20 Jan 17
Old from tubes, strips etc 12861-S-Cu-7	4,866–4,948	-0.41% ▼	20 Jan 17
EN12861-S-Cu-Zn-1-A-Cu 63.5%	4,146–4,223	0%	20 Jan 17
Mixed from valves/taps EN 12861-S-Cu-Zn-6	3,393–3,623	0%	20 Jan 17
Several 95% m/m 12861-S-Cu-Zn-7	3,395–3,473	0%	20 Jan 17
Source: Assomet			

STEELBENCHMARKER™ SCRAP PRICES

	Price	Change†	Assessed
Region: USA, east of the Mississippi			
Shredded scrap (\$/metric tonne)**	295	-4.84% ▼	23 Jan 17
Shredded scrap (\$/gross ton)**	300	-4.76% ▼	23 Jan 17
No 1 heavy melting scrap (\$/metric tonne)	276	-1.78% ▼	23 Jan 17
No 1 heavy melting scrap (\$/gross ton)	280	-1.75% ▼	23 Jan 17
No 1 busheling scrap (\$/metric tonne)	315	-1.56% ▼	23 Jan 17
No 1 busheling scrap (\$/gross ton)	320	-1.54% ▼	23 Jan 17
**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	1,320–1,350*	1.14% ▲	25 Jan 17
Commercial pure cuttings	1,050–1,150*	1.38% ▲	25 Jan 17
Clean HE9 extrusions	1,330–1,400*	3.02% ▲	25 Jan 17
Loose old rolled cuttings	800–870*	1.83% ▲	25 Jan 17
Baled old rolled	900–950*	3.35% ▲	25 Jan 17
Commercial cast	980–1,050*	4.1% ▲	25 Jan 17
Cast wheels	1,180–1,250*	1.25% ▲	25 Jan 17
Commercial turnings	675–735*	0.71% ▲	25 Jan 17
Group 7 turnings	550–650*	1.69% ▲	25 Jan 17

MB and LME aluminium scrap discounts

£ per tonne			
Group 1 pure 99% & Litho	142–172*	3.29% ▲	25 Jan 17
Commercial pure cuttings	342–442*	1.29% ▲	25 Jan 17
Clean HE9 extrusions	92–162*	-13.61% ▼	25 Jan 17
Loose old rolled cuttings	422–492*	-3.99% ▼	25 Jan 17
Baled old rolled	342–392*	-8.48% ▼	25 Jan 17
Commercial cast	242–312*	-13.71% ▼	25 Jan 17
Cast wheels	42–112*	-19.79% ▼	25 Jan 17
Commercial turnings	557–617*	-1.51% ▼	25 Jan 17
Group 7 turnings	642–742*	-1.98% ▼	25 Jan 17

Titanium

\$/lb cif			
Turnings, unprocessed type 90/6/4 (0.5% Sn max)	0.62–0.65*	1.6% ▲	25 Jan 17
Turnings, unprocessed 90/6/4 (over 0.5% max 2% Sn)	0.38–0.44*	26.15% ▲	25 Jan 17

Copper scrap discount

cents/lb			
No 2 copper (birch/cliff) imported into China 94–96% cif China	30–31*	7.02% ▲	26 Dec 16

† week-on-week change

continued >>

NON-FERROUS FOUNDRY INGOTS

	Price	Change [†]	Assessed
Aluminium UK £/tonne			
MB free market			
LM24 pressure diecasting ingot	1,480–1,535*	0.84% ▲	25 Jan 17
LM6/LM25 gravity diecasting ingot	1,680–1,740*	0.59% ▲	25 Jan 17
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	1,660–1,730*	0.59% ▲	27 Jan 17
Aluminum US \$/lb delivered Midwest			
A380.1 alloy	0.84–0.85*	0%	26 Jan 17
AFFIMET €/tonne			
AS12	3,605	0.14% ▲	01 Jan 17
AS12 UN	2,875	2.5% ▲	01 Jan 17
AS9 U3	2,250	3.21% ▲	01 Jan 17
AS5 U3	2,600	2.77% ▲	01 Jan 17
Reflects generally larger traded lots			
VDM €/1000 kg delivered			
DIN 226	2,280–2,380	0.43% ▲	25 Jan 17
DIN 231	2,360–2,460	0.42% ▲	25 Jan 17
DIN 311	2,340–2,440	0.42% ▲	25 Jan 17
Aluminium bronze £/tonne UK			
AB1 ex-works	4,750	0%	24 Jan 17
AB2 ex-works	4,850	0%	24 Jan 17
Source: C. F. Booth Ltd			
Brass UK £/tonne			
SCB3 ex-works	3,750	0%	24 Jan 17
High tensile HTB1 ex-works	3,850	0%	24 Jan 17
Source: C. F. Booth Ltd			
Gunmetal UK £/tonne			
LG2 85/5/5/5 ex-works	4,550	0%	24 Jan 17
LG4 87/7/3/3 ex-works	5,250	0%	24 Jan 17
G11.15 PB ex-works	6,150	0%	24 Jan 17
Source: C. F. Booth Ltd			
Phosphor bronze UK £/tonne			
PB1 ex-works	6,800	0%	24 Jan 17
Source: C. F. Booth Ltd			
Phosphor copper £/tonne			
10% P ex-works	6,300	0%	24 Jan 17
15% P ex-works	6,400	0%	24 Jan 17
Source: C. F. Booth Ltd			
Zinc alloys UK £/tonne			
Brock Metal Co contract alloy price (delivered UK)			
Brock Metal ZL3	2,669	–2.13% ▼	03 Jan 17
Brock Metal ZL5	2,695	–2.11% ▼	03 Jan 17

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BASE METALS

	Low	High
Aluminium		
Aluminium P1020A, in-warehouse Rotterdam duty unpaid, spot \$/tonne Rotterdam premium	68.64	81.59
Aluminium P1020A, in-warehouse Rotterdam duty paid, spot \$/tonne/H/G Cash \$/tonne	119.78	135.56
Alumina		
Index fob Australia	342.32	
Copper		
US High-grade cathode premium indicator, \$/tonne	112.99	124.01
Nickel		
Free market in-warehouse premium		
Europe \$/tonne uncut cathodes	47.50	75.00
4x4 cathodes	165.00	240.00
briquettes	103.75	178.75
US Melting \$/lb	0.17	0.23
Plating \$/lb	0.50	0.60
Tin		
European free market		
Spot Premium 99.9% \$/tonne	375.00	504.00
Spot premium 99.85% \$/tonne	310.00	355.00
Kuala Lumpur (ex-smelter) \$/tonne	21,017.50	

MINOR METALS

Antimony		
MB free market Regulus 99.65%, max Se 50ppm, \$/tonne in-warehouse	7,288.89	7,522.22
MMTA Standard grade II \$/tonne	7,211.11	7,455.56
Bismuth		
MB free market min. 99.99%, \$/lb, tonne lots in-warehouse	4.48	4.79
Cadmium		
MB free market min 99.95%, cents/lb in-warehouse	65.00	70.00
min 99.99%, cents/lb in-warehouse	68.00	75.00
Cobalt		
MB free market High Grade, \$/lb in-warehouse	14.14	14.77
Low Grade, \$/lb in-warehouse	13.92	14.51
Germanium Dioxide		
MB free market min 99.99%, \$/kg	623.33	723.33
Rotterdam \$/kg	847.78	958.89
Indium		
MB free market Ingots min 99.97%, \$/kg in-warehouse	188.33	230.00
Magnesium		
MB free market min 99.8%, \$/tonne	2,350.00	2,500.00
China free market min 99.8%	2,392.50	2,412.50
Mercury		
MB free market min 99.99%, \$/flask in-warehouse	1,050.00	1,275.00

	Low	High
Selenium		
MB free market min 99.5% in-warehouse \$/lb	11.11	12.89
Silicon		
MB free market €/tonne	1,695.00	1,824.00
Titanium		
Ferro-Titanium		
70% (max 4.5% Al), \$/kg d/d Europe	3.00	3.32

ORES & ALLOYS

	Low	High
Molybdenum		
Free market in-warehouse Europe drummed molybdc oxide \$/lb Mo	6.59	6.76
US canned molybdc oxide \$/lb Mo	6.61	6.81
Ferro-molybdenum		
basis 65% min, in-warehouse Rotterdam, \$/kg Mo	16.67	17.23
Tungsten		
European free market APT \$/mtu	185.20	197.80
Ferro-tungsten		
basis 75% W min	25.81	26.24
Vanadium		
min 98%, in-warehouse Rotterdam, \$/lb V2O5	4.83	5.14
Ferro-vanadium		
basis 78% min, free delivery duty paid consumer plant, 1st grade Western Europe \$/kg V	22.90	23.57
US Free market 70–80%	11.18	11.74

PRECIOUS METALS

Gold		
London \$/troy oz	Morning	1,152.17
	Afternoon	1,151.40
London £/troy oz	Morning	921.63
	Afternoon	919.80
\$/troy oz	Handy/Harman	1,150.95
Palladium		
Morning \$/troy oz	707.40	
Afternoon \$/troy oz	711.81	
Platinum: per troy oz		
Morning \$/troy oz	919.25	
Afternoon \$/troy oz	920.50	
Rhodium		
European free market min 99.9% in-warehouse, \$/troy oz	729.76	829.76
Silver		
London		
spot pence/troy oz	1,310.05	
spot cents/troy oz	1,637.85	
Handy/Harman cents/troy oz	1,644.62	

FOUNDRY INGOTS

	Low	High
Aluminium		
LM24	1,420.00	1,485.00
LM6/LM25	1,627.50	1,692.50
Aluminium Europe €/tonne	1,580.00	1,686.00
Phosphor Bronze		
PB1 ex-works £/tonne	6,816.67	
Zinc Alloy		
10 tonne lots ZL3 £/tonne	2,727.00	

EXCHANGE RATES (CLOSING RATES)

\$/£	1.25
\$/yen	115.78
\$/€	1.06

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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 (20 days)

LME averages are mean of buyers and sellers except for settlement and 3 months sellers.

	January–December 2016		December
	Low	High	average
	\$	\$	\$
Aluminium (\$)			
Cash	1,452.50	1,776.75	1,730.25
3 months	1,451.25	1,778.50	1,722.16
Settlement	1,453.00	1,777.00	1,730.63
3 months seller	1,451.50	1,779.00	1,722.55
Copper Grade A (\$)			
Cash	4,310.25	5,935.25	5,665.83
3 months	4,320.25	5,947.50	5,675.36
Settlement	4,310.50	5,935.50	5,666.25
3 months seller	4,320.50	5,950.00	5,676.03
Copper Grade A (£)			
Settlement	3,005.51	4,789.40	4,532.31
3 months seller	3,012.06	4,789.89	4,529.55
Lead (\$)			
Cash	1,596.50	2,465.75	2,230.30
3 months	1,597.50	2,474.75	2,242.90
Settlement	1,597.00	2,466.00	2,230.83
3 months seller	1,598.00	2,475.00	2,243.58
Lead (£)			
Settlement	1,098.84	1,989.83	1,783.78
3 months seller	1,100.75	1,990.02	1,789.83
Nickel (\$)			
Cash	7,705.00	11,732.50	11,009.75
3 months	7,737.50	11,765.00	11,073.00
Settlement	7,710.00	11,735.00	11,013.25
3 months seller	7,750.00	11,770.00	11,080.50
Tin (\$)			
Cash	13,225.00	21,942.50	21,274.13
3 months	13,212.50	21,747.50	21,072.63
Settlement	13,235.00	21,945.00	21,286.25
3 months seller	13,225.00	21,750.00	21,085.25

	January–December 2016		December
	Low	High	average
	\$	\$	\$
Zinc (\$)			
Cash	1,453.25	2,906.50	2,671.34
3 months	1,466.50	2,910.50	2,689.21
Settlement	1,453.50	2,907.00	2,671.70
3 months seller	1,467.00	2,911.00	2,689.98
Cobalt (\$)			
Cash	21,702.50	32,800.00	31,610.25
3 months	21,800.00	32,750.00	31,616.25
Settlement	21,705.00	32,900.00	31,788.00
3 months seller	21,850.00	33,000.00	31,845.00
Molybdenum (\$)			
Cash	11,500.00	16,750.00	15,000.00
3 months	11,500.00	16,750.00	15,000.00
Settlement	11,750.00	17,000.00	15,250.00
3 months seller	11,750.00	17,000.00	15,250.00
Aluminium Alloy (\$)			
Cash	1,492.50	1,610.00	1,550.00
3 months	1,522.50	1,625.00	1,564.00
Settlement	1,495.00	1,615.00	1,555.00
3 months seller	1,525.00	1,630.00	1,569.00
Nasaa (\$)			
Cash	1,650.00	1,767.50	1,714.18
3 months	1,667.50	1,785.00	1,733.88
Settlement	1,651.00	1,770.00	1,717.55
3 months seller	1,670.00	1,790.00	1,738.75
Steel Billet (\$)			
Cash	75.00	312.50	312.50
3 months	90.00	315.00	312.50
Settlement	100.00	325.00	325.00
3 months seller	115.00	340.00	325.00

LME SETTLEMENT CONVERSION RATES

\$/£	1.25
\$/yen	116.09
\$/€	1.05