

Prices

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NEW YORK FUTURES

	Price	Change [†]	Assessed
Comex: Copper high grade cents/lb			
Settlement	294.05	-3.18%	▼ 07 Dec 17
Open interest	247,394	-7.8%	▼ 06 Dec 17
Stocks (short ton)	208,699	-0.21%	▼ 06 Dec 17
Comex: Gold \$/troy oz			
Settlement	1,249.80	-1.84%	▼ 07 Dec 17
Open interest	464,116	-5.13%	▼ 06 Dec 17
Stocks (troy oz)	8,906,586	-0.09%	▼ 06 Dec 17
Nymex: Palladium \$/troy oz			
Settlement	1,016.30	0.96%	▲ 07 Dec 17
Stocks (troy oz)	54,083	0%	06 Dec 17
Nymex: Platinum \$/troy oz			
Settlement	894.5	-5.09%	▼ 07 Dec 17
Stocks (troy oz)	194,982	-0.03%	▼ 06 Dec 17
Comex: Silver cents/troy oz			
Settlement	1,571.5	-4.07%	▼ 07 Dec 17
Open interest	194,631	2.69%	▲ 06 Dec 17

SHANGHAI FUTURES

	Price	Change [†]	Assessed
Aluminium yuan/tonne	14,095	-2.69%	▼ 08 Dec 17
Copper yuan/tonne	51,620	-2.33%	▼ 08 Dec 17
Nickel cathode yuan/tonne	88,800	-0.95%	▼ 08 Dec 17
Tin ingot yuan/tonne	138,400	-0.86%	▼ 08 Dec 17
Zinc yuan/tonne	24,980	-1.23%	▼ 08 Dec 17
Steel rebar month 1 yuan/tonne	4,330	-0.48%	▼ 08 Dec 17
Steel rebar month 2 yuan/tonne	4,217	-1.15%	▼ 08 Dec 17
Steel rebar month 3 yuan/tonne	4,082	-0.51%	▼ 08 Dec 17
Weekly stocks deliverable			
Aluminium (tonnes)	714,816	1.78%	▲ 08 Dec 17
Copper (tonnes)	158,145	-6.42%	▼ 08 Dec 17
Nickel cathode (tonnes)	41,106	-2.86%	▼ 08 Dec 17
Tin ingot (tonnes)	7,428	-1.03%	▼ 08 Dec 17
Zinc (tonnes)	65,772	-6.44%	▼ 08 Dec 17
Steel rebar (tonnes)	3,894	-23.3%	▼ 08 Dec 17

DAILY METAL AND STEEL

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

	Price	Change [†]	Assessed
Aluminium high grade \$			
Cash official	1,991.5-1,992	-2.66%	▼ 08 Dec 17
Cash unofficial	1,997-1,999	-2.18%	▼ 07 Dec 17
3 months official	2,011.5-2,012	-2.39%	▼ 08 Dec 17
3 months unofficial	2,015-2,017	-1.99%	▼ 07 Dec 17
LME Tapo notional average price (NAP)	2,034.70	-3.31%	▼ 07 Dec 17
LME stocks (tonnes)	1,094,525	-1.3%	▼ 07 Dec 17
Aluminium alloy (A380.1/DIN/D12S) \$			
LME cash official	1,785-1,795	-3.76%	▼ 08 Dec 17
LME cash unofficial	1,784-1,794	-4.31%	▼ 07 Dec 17
LME 3 months official	1,800-1,810	-3.73%	▼ 08 Dec 17
LME 3 months unofficial	1,800-1,810	-4.24%	▼ 07 Dec 17
LME stocks (tonnes)	13,000	0%	07 Dec 17

Price Change Assessed

N. American special aluminium alloy

LME cash official	1,827-1,829	0.03%	▲ 08 Dec 17
LME cash unofficial	1,812-1,822	-1.46%	▼ 07 Dec 17
LME 3 months official	1,835-1,845	0.41%	▲ 08 Dec 17
LME 3 months unofficial	1,825-1,835	-1.35%	▼ 07 Dec 17
LME stocks (tonnes)	183,200	0.03%	▲ 07 Dec 17

Copper grade A \$

LME cash official	6,538-6,538.5	-2.9%	▼ 08 Dec 17
LME cash unofficial	6,538-6,543	-3.17%	▼ 07 Dec 17
LME 3 months official	6,574-6,575	-2.85%	▼ 08 Dec 17
LME 3 months unofficial	6,570-6,575	-3.07%	▼ 07 Dec 17
LME Tapo notional average price (NAP)	6,651.10	-2.6%	▼ 07 Dec 17
LME stocks (tonnes)	195,150	6.33%	▲ 07 Dec 17

Lead \$

LME cash official	2,427-2,428	-3.06%	▼ 08 Dec 17
LME cash unofficial	2,480-2,482	-0.04%	▼ 07 Dec 17
LME 3 months official	2,427-2,428	-3.28%	▼ 08 Dec 17
LME 3 months unofficial	2,478-2,480	-0.24%	▼ 07 Dec 17
LME stocks (tonnes)	145,300	0.21%	▲ 07 Dec 17

Nickel \$

LME cash official	10,985-10,990	-0.54%	▼ 08 Dec 17
LME cash unofficial	10,915-10,925	-2.74%	▼ 07 Dec 17
LME 3 months official	11,040-11,050	-0.74%	▼ 08 Dec 17
LME 3 months unofficial	10,970-10,980	-2.77%	▼ 07 Dec 17
LME stocks (tonnes)	376,938	-0.83%	▼ 07 Dec 17

Tin \$

LME cash official	19,525-19,575	-0.45%	▼ 08 Dec 17
LME cash unofficial	19,530-19,580	-0.22%	▼ 07 Dec 17
LME 3 months official	19,400-19,450	-0.32%	▼ 08 Dec 17
LME 3 months unofficial	19,450-19,500	-0.32%	▼ 07 Dec 17
LME stocks (tonnes)	2,325	-2.92%	▼ 07 Dec 17

Zinc special high grade \$

LME cash official	3,092-3,094	-3.86%	▼ 08 Dec 17
LME cash unofficial	3,102.5-3,104.5	-3.03%	▼ 07 Dec 17
LME 3 months official	3,082-3,083	-3.61%	▼ 08 Dec 17
LME 3 months unofficial	3,090-3,092	-2.71%	▼ 07 Dec 17
LME stocks (tonnes)	201,125	-4.92%	▼ 07 Dec 17

Cobalt min 99.3%

LME cash official	75,000-75,100	12.43%	▲ 08 Dec 17
LME 3 months official	75,000-75,100	13.28%	▲ 08 Dec 17
LME stocks (tonnes)	672	-7.31%	▼ 07 Dec 17

Molybdenum \$

LME cash official	15,500-16,000	0%	08 Dec 17
LME 3 months official	15,500-16,000	0%	08 Dec 17
LME stocks (tonnes)	0	0%	07 Dec 17

† week-on-week change

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Gold \$/troy oz	Price	Change	Assessed
London morning	1,245.85	-2.46%	▼ 08 Dec 17
London afternoon	1,255	-1.97%	▼ 07 Dec 17
Handy/Harman	1,255	-1.97%	▼ 07 Dec 17
Silver per troy oz			
London spot pence	1,176	-3.29%	▼ 08 Dec 17
London spot cents	1,582.5	-3.62%	▼ 08 Dec 17
Handy/Harman	1,575.5	-3.55%	▼ 07 Dec 17
Palladium \$/troy oz			
London morning	999	-1.87%	▼ 07 Dec 17
London afternoon	1,013	0.3%	▲ 07 Dec 17
Platinum \$/troy oz			
London morning	900	-4.36%	▼ 07 Dec 17
London afternoon	900	-4.26%	▼ 07 Dec 17
Kuala Lumpur tin market			
Tin \$/tonne	19,470	-0.31%	▼ 08 Dec 17
ICDX			
Tin PB300 settlement price \$/tonne	19,525	-0.38%	▼ 08 Dec 17
Tin PB300 volume, tonnes	82	78.26%	▲ 08 Dec 17

RAND FIXING PRICES

Rand fixing prices per tonne for London Metal Exchange trade

	Price	Change [†]	Assessed
Copper	89,852.72	-2.79%	▼ 08 Dec 17
Aluminium	27,374.26	-2.55%	▼ 08 Dec 17
Lead	33,365.82	-2.97%	▼ 08 Dec 17
Zinc	42,518.06	-3.73%	▼ 08 Dec 17
Nickel	151,025.68	-0.43%	▼ 08 Dec 17
Tin	269,001.61	-0.27%	▼ 08 Dec 17

EXCHANGE RATES

	Price	Change [†]	Assessed
LME settlement conversion rates			
\$/£	1.3429	-0.52%	▼ 08 Dec 17
\$/¥	113.500	1.01%	▲ 08 Dec 17
\$/€	1.1736	-1.32%	▼ 08 Dec 17
Closing rates, midpoint			
\$/£	1.3417	-0.89%	▼ 07 Dec 17
\$/¥	112.7350	0%	07 Dec 17
\$/€	1.1790	-1.12%	▼ 07 Dec 17
£/€	1.1380	0.24%	▲ 07 Dec 17
\$/CNY	6.6154	0.07%	▲ 07 Dec 17

BASE METALS ARBITRAGE

	Price	Change [†]	Assessed
Aluminium			
Import arbitrage, \$/tonne	-391.55*	1.5%	▲ 08 Dec 17
Import arbitrage, RMB/tonne	-2,596.14*	1.57%	▲ 08 Dec 17
Copper			
Import arbitrage, \$/tonne	-55.56*	-7.98%	▼ 08 Dec 17
Import arbitrage, RMB/tonne	-368.40*	-7.92%	▼ 08 Dec 17
Nickel			
Import arbitrage, \$/tonne	-30.84*	-263.17%	▼ 08 Dec 17
Import arbitrage, RMB/tonne	-204.46*	-263.29%	▼ 08 Dec 17
Zinc			
Import arbitrage, \$/tonne	-41.38*	-5.46%	▼ 08 Dec 17
Import arbitrage, RMB/tonne	-274.34*	-5.39%	▼ 08 Dec 17

MB BASE METAL PREMIUMS

All prices \$/tonne unless otherwise stated

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	Price	Change [†]	Assessed
Copper			
Annual premium 8mm wire rod, cif			
Nhava Sheva, \$/tonne	160-190*	-12.5%	▼ 03 May 17
Rotterdam, Grade A, cathode, cif, \$/tonne	45.0-50.0*	0%	05 Dec 17
North European warrants, Grade A cathode, in-warehouse, \$/tonne	5.0-15.0*	0%	05 Dec 17
Leghorn, copper low-high premium, Grade A, cathode, cif, \$/tonne	52.5-57.0*	0%	05 Dec 17
Leghorn, copper average premium, Grade A, cathode, cif, \$/tonne	55*	0%	05 Dec 17
South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne	60.0-65.0*	0%	05 Dec 17
South Korea, copper average premium, Grade A, cathode, cif, \$/tonne	62.5*	0%	05 Dec 17
Southeast Asian warrants, Grade A cathode, in-warehouse, \$ per tonne	5.0-10.0*	0%	05 Dec 17
Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne	76.0-86.0*	1.25%	▲ 08 Dec 17
Shanghai, copper average premium, Grade A, cathode, in-warehouse, \$/tonne	82*	2.5%	▲ 08 Dec 17
Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne	70.0-82.0*	0%	08 Dec 17
Shanghai, copper average premium, Grade A, cathode, cif, \$/tonne	76*	0%	08 Dec 17
MB free market US: High-grade cathode premium indicator, \$/tonne	115.7-126.8*	0%	05 Dec 17
Aluminium			
Aluminium P1020A, in-whs Rotterdam duty unpaid, spot low-high, \$/tonne	90.0-97.0*	1.08%	▲ 08 Dec 17
Aluminium P1020A, in-warehouse Rotterdam duty unpaid, spot weighted average, \$/tonne	94*	2.17%	▲ 08 Dec 17
Aluminium P1020A, cif Korea (Gwangyang or Busan), spot low-high, \$/tonne	80-100*	0%	05 Dec 17
Aluminium P1020A, cif Korea (Gwangyang or Busan), spot weighted average, \$/tonne	93*	0%	05 Dec 17
Aluminium P1020A, Southeast Asian warrants, in-warehouse, \$/tonne	5.0-15.0*	0%	05 Dec 17
Aluminium P1020A, cif Shanghai, spot low-high, \$/tonne	90.0-100.0*	0%	05 Dec 17
Aluminium P1020A, cif Shanghai, spot weighted average, \$/tonne	95*	0%	05 Dec 17
Aluminium P1020A, cif main Japanese ports, spot low-high, \$/tonne	90.0-105.0*	5.41%	▲ 05 Dec 17
Aluminium P1020A, cif main Japanese ports, spot weighted average, \$/tonne	97*	6.59%	▲ 05 Dec 17
Aluminium ingot ADC 12 spot, main Japanese ports, \$/tonne	1,960*	-0.51%	▼ 06 Dec 17
Aluminium P1020A, cif main Japanese ports, quarterly, \$/tonne	94.0-95.0*	-20.25%	▼ 05 Oct 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	158.0-165.0*	0%	08 Dec 17
Aluminium 6063 extrusion billet, in-whs Rotterdam duty-paid, spot, \$/tonne	340.0-360.0*	-1.41%	▼ 01 Dec 17
Aluminium P1020A, delivered US midwest, spot, \$/lb	0.093-0.095*	0%	05 Dec 17
Aluminium P1020A, delivered Sao Paulo region, spot, \$/tonne	230.0-240.0*	0%	05 Dec 17

† 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%	05 Dec 17
Aluminium 6063 + 6060 extrusion billet, cif Brazilian main ports, spot (premium over LME cash), \$/tonne	290.0–300.0*	0%	17 Nov 17
Lead			
North European warrants, min 99.97% ingots, in-warehouse, \$/tonne	10.0–15.0*	0%	05 Dec 17
Southeast Asian warrants, min 99.97% ingots, in-warehouse, \$/tonne	10.0–20.0*	0%	05 Dec 17
USA lead premium 99.97%, delivered domestic, \$/lb	0.09–0.11*	0%	05 Dec 17
USA lead premium 99.97%, delivered domestic, cents/lb	9–11*	0%	05 Dec 17
USA lead premium 99.99%, delivered domestic, cents/lb	11–12.5*	0%	05 Dec 17
Nickel			
Shanghai, nickel low-high premium, 99.8% purity in-warehouse, \$/tonne	290.0–310.0*	1.69% ▲	05 Dec 17
Shanghai, nickel average premium, 99.8% purity in-warehouse, \$/tonne	300*	1.69% ▲	05 Dec 17
Shanghai, nickel low-high premium, 99.8% purity, full plate, cif, \$/tonne	280.0–300.0*	3.57% ▲	05 Dec 17
Shanghai, nickel premium, 99.8% purity full plate, cif, \$/tonne	290*	3.57% ▲	05 Dec 17
Southeast Asian warrants, min 99.80% full plates, in-warehouse, \$/tonne	120–200*	0%	05 Dec 17
Southeast Asian warrants, min 99.80% briquettes, in-warehouse, \$/tonne	10–20*	0%	05 Dec 17
uncut cathodes premium indicator	200.0–250.0*	2.27% ▲	05 Dec 17
4x4 cathodes premium indicator	325.0–400.0*	7.41% ▲	05 Dec 17
briquettes premium indicator	270.0–300.0*	7.55% ▲	05 Dec 17
US: melting premium indicator, \$/lb	0.250–0.300*	1.85% ▲	05 Dec 17
Tin			
MB European free market			
Spot premium 99.9%, \$/tonne	300–350*	0%	05 Dec 17
Spot premium 99.85%, \$/tonne	290–315*	0%	05 Dec 17
United States New York spot, cents/lb	914–915	–0.65% ▼	07 Dec 17
Zinc			
North European warrants, min 99.995% SHG ingots, \$/tonne	80.0–90.0*	0%	05 Dec 17
MB EU: Special high grade, fca Rotterdam, \$/tonne	135.0–145.0*	0%	05 Dec 17
Malaysia in-warehouse, 99.995% SHG ingots, \$/tonne	80.0–85.0*	3.12% ▲	05 Dec 17
Singapore, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne	80.0–85.0*	3.12% ▲	05 Dec 17
Singapore, zinc average premium, 99.995% purity, in-warehouse, \$/tonne	84*	1.2% ▲	05 Dec 17
Shanghai, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne	140.0–150.0*	–6.45% ▼	05 Dec 17
Shanghai, zinc average premium, 99.995% purity, in-warehouse, \$/tonne	145*	–6.45% ▼	05 Dec 17
MB US: Special high grade, \$/lb	0.080–0.090*	0%	05 Dec 17

BASE METALS			
	Price	Change†	Assessed
Alumina			
MB Chinese free market, metallurgical grade, delivered duty paid, RMB/tonne	3,200.0–3,300.0*	–4.41% ▼	07 Dec 17
Alumina Index fob Australia	419*	–5.41% ▼	08 Dec 17
Alumina Index fob Brazil	3.21*		07 Dec 17
Alumina Index fob Brazil, inferred Brazil price \$ per dry metric ton	422.21*		08 Dec 17
Bauxite			
fob Kamsar, Guinea \$/tonne per dmtu	38*	0%	07 Dec 17
fob Trombetas, Brazil \$/tonne per dmtu	38*	0%	07 Dec 17
Copper & Brass			
Producer premium			
Aurubis European Grade A cathode ex-works \$/tonne	86.0	0%	20 Oct 17
Codelco: Contract 2016 Grade A cathode (average)	88.0	7.32% ▲	27 Oct 17
Germany: (VDM) Electro, €/tonne wirebar (DEL):	5,607.5–5,634.0	–2.99% ▼	06 Dec 17
cathodes:	5,580.0–5,640.0	–3.36% ▼	06 Dec 17
South Africa: Palabora copper rod 7.90mm, Rand/tonne	109,669.310	3.07% ▲	01 Dec 17
Copper concentrate Asia-Pacific Index RC import, US cents/lb (twice monthly on 15th and last day of month)	8.54–8.54*	–0.58% ▼	30 Nov 17
Copper concentrate Asia-Pacific Index TC import, \$/dmt (twice monthly on 15th and last day of month)	85.40–85.40*	–0.58% ▼	30 Nov 17
Shanghai bonded copper stocks, tonnes	460,000–470,000*0%		04 Dec 17
Nickel			
Nickel pig iron high grade NPI content 10–15% contract price delivered duty paid China RMB per nickel unit price	900–920*	–9.9% ▼	05 Dec 17
Nickel pig iron high grade NPI content 10–15% spot price China RMB per nickel unit price	890–920*	–0.55% ▼	05 Dec 17
Nickel ore			
Laterite ore with 1.5% nickel content cif China, \$/tonne	32–33*	0%	05 Dec 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	49–50*	–1% ▼	05 Dec 17
Lead			
Germany: (VDM) virgin soft, €/tonne	2,260–2,300	2.7% ▲	06 Dec 17
European automotive battery premium free market (Eurobat)			
in-warehouse Rotterdam €/tonne			
Soft lead (average)	152.98*	–1.33% ▼	01 Dec 17
Ca/Ca grid grid lead (average)	438.17*	–0.37% ▼	01 Dec 17
Connector lead (average)	580.46*	0.27% ▲	01 Dec 17
For an explanation of these premiums, see http://www.eurobat.org/statistics			
Zinc			
Germany: (VDM) virgin, €/tonne	2,830–2,830	0.35% ▲	06 Dec 17
UK: Special high grade, delivered monthly average price £/tonne	2,603*	–1.48% ▼	01 Dec 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	925–1,025*	0%	08 Dec 17
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	970	0%	08 Dec 17
Engelhard base price: \$/troy oz	990	0%	08 Dec 17
Palladium			
European free market: min 99.9%, \$/troy oz in-warehouse	1,013–1,024*	0.39% ▲	08 Dec 17
Engelhard base price: \$/troy oz	1,021	0%	08 Dec 17
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	1,024	0.59% ▲	08 Dec 17
Platinum			
European free market: min 99.9%, \$/troy oz in-warehouse	893–903*	–4.72% ▼	08 Dec 17
Engelhard base price: \$/troy oz	899	–4.87% ▼	08 Dec 17
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	903	–4.65% ▼	08 Dec 17
Rhodium			
European free market: min 99.9%, \$/troy oz in-warehouse	1,500–1,600*	1.31% ▲	08 Dec 17
Engelhard base price: \$/troy oz	1,550	0.65% ▲	08 Dec 17
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	1,540	0.65% ▲	08 Dec 17
Ruthenium			
European free market: min 99.9%, \$/troy oz in-warehouse	165–205*	8.82% ▲	08 Dec 17
Engelhard base price: \$/troy oz	195	18.18% ▲	08 Dec 17
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	190	15.15% ▲	08 Dec 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	8,050–8,350*	0.61% ▲	08 Dec 17
MMTA Standard Grade II, \$/tonne in-warehouse Rotterdam	8,050–8,350*	0.61% ▲	08 Dec 17
MB Chinese free market MMTA Standard Grade II, delivered duty paid RMB/tonne	51,500–52,500*	0%	06 Dec 17
Arsenic			
MB free market \$/lb	0.90–1.25*	0%	08 Dec 17
Bismuth			
MB free market \$/lb	5.10–5.40*	0%	08 Dec 17
MB China domestic, min 99.99%, RMB/tonne	71,000–72,500*	–1.37% ▼	08 Dec 17
Cadmium			
MB free market min 99.95% cents/lb	100–108*	0%	08 Dec 17
MB free market min 99.99% cents/lb	102–111*	0%	08 Dec 17
Chromium			
MB free market alumino-thermic min 99% \$/tonne	7,800–8,100*	0%	08 Dec 17
Cobalt			
MB free market high-grade \$/lb	32.5–36.39*	8.15% ▲	08 Dec 17
MB free market low-grade \$/lb	31.85–32.75*	1.41% ▲	08 Dec 17
MB high-grade, weighted average of all confirmed international trades, \$/lb	36.45*	15.94% ▲	08 Dec 17
MB low-grade, weighted average of all confirmed international trades, \$/lb	33.82*	2.95% ▲	08 Dec 17
MB China domestic, min 99.8% RMB/tonne	520,000–540,000*	3.92% ▲	08 Dec 17
Cobalt tetroxide min 72.6% Co delivered China RMB/tonne	370,000–380,000*	0%	08 Dec 17

	Price	Change	Assessed
Gallium			
MB free market \$/kg	145–165*	0%	08 Dec 17
MB China domestic, min 99.99%, RMB/kg	950–1,000*	2.09% ▲	06 Dec 17
Germanium			
Germanium dioxide MB free market \$/kg	720–800*	0%	08 Dec 17
Germanium metal \$/kg Rotterdam	1,150–1,300*	0%	08 Dec 17
Germanium metal MB China domestic, min 99.999%, RMB/kg	8,800–9,300*	6.47% ▲	06 Dec 17
Hafnium			
Hafnium 1% Zr max, in-warehouse global locations, \$/kg	900–1,000*	0%	08 Dec 17
Indium			
MB free market \$/kg	245–270*	–3.74% ▼	08 Dec 17
MB China domestic, min 99.99% RMB/kg	1,480–1,550*	0.66% ▲	06 Dec 17
Indium Corp ingots min 99.97% \$/kg fob	440	–40.94% ▼	26 Jun 15
Magnesium			
European free market \$ per tonne	2,250–2,350*	2.22% ▲	08 Dec 17
China free market min 99.8% Mg, fob China main ports, \$ per tonne	2,570–2,600*	18.58% ▲	08 Dec 17
MB Chinese free market min 99% Mg, ex-works RMB/tonne	16,500–17,500*	22.3% ▲	08 Dec 17
Manganese flake			
MB free market \$/tonne	1,740–1,840*	0%	08 Dec 17
Mercury			
MB free market \$ per flask	1,600–1,700*	17.86% ▲	08 Dec 17
Rhenium in-warehouse Rotterdam duty paid			
Metal pellets, min 99.9% \$/lb	635–735*	0%	08 Dec 17
APR catalytic grade \$/kg Re	1,450–1,600*	0%	08 Dec 17
Selenium			
MB free market \$/lb	17.5–19*	0.97% ▲	08 Dec 17
MB China domestic, min 99.9%, RMB/kg	270–290*	0%	08 Dec 17
Selenium dioxide, MB China domestic, min 98%, RMB/kg	172–178*	–0.85% ▼	08 Dec 17
Silicon			
Grade 441, min 99% Si in-warehouse Rotterdam, €/tonne	2,215–2,325*	0%	08 Dec 17
Grade 553, min 98.5% Si in-warehouse Rotterdam, €/tonne	2,150–2,200*	0%	08 Dec 17
US free market cents/lb	135–138*	7.06% ▲	10 Nov 17
Export from mainland China min 98.5%, \$/tonne fob	1,740–1,800*	1.72% ▲	08 Dec 17
Tellurium			
MB free market \$/kg	38–48*	0%	08 Dec 17
MB China domestic, min 99.99%, RMB/kg	460–500*	0%	08 Dec 17
Titanium			
MB free market ferro-titanium 70% (max 4.5% Al) \$/kg Ti d/d Europe	4.90–5.65*	1.44% ▲	06 Dec 17
Titanium ores \$/tonne			
Rutile conc min 95% TiO2 bagged, fob/Aus	770–850	0%	07 Dec 17
Rutile bulk conc min 95% TiO2 fob/Aus	710–770	0%	07 Dec 17
Ilmenite bulk conc min 54% TiO2 fob/ Aus	160–185	0%	07 Dec 17

† week-on-week change

continued >>

NOBLE ALLOYS & ORES				
	Price	Change [†]	Assessed	
Molybdenum molybdc oxide				
Europe drummed molybdc oxide \$/lb Mo	9–9.15*	2.83%	▲	08 Dec 17
US canned molybdc oxide \$/lb Mo	9.10–9.25*	4.26%	▲	07 Dec 17
Ferro-molybdenum				
Basis 65% min, in-warehouse Rotterdam \$/kg Mo	22–22.5*	2.53%	▲	08 Dec 17
US free market 65–70% Mo \$/lb in-warehouse Pittsburgh	10–10.25*	0.5%	▲	07 Dec 17
MB Chinese free market concentrate 45% Mo in-warehouse China RMB/mtu	1,370–1,400*	1.09%	▲	06 Dec 17
Tungsten				
European free market APT \$/mtu	293–300*	0.34%	▲	08 Dec 17
Export from mainland China APT Chinese No1 grade, min 88.5% WO3, \$/mtu fob	298–301*	1.35%	▲	06 Dec 17
MB Chinese free market concentrate 65% Wo3 in-warehouse China RMB/tonne	109,000–110,000*	0.92%	▲	06 Dec 17
Ferro-tungsten				
Basis 75% W min \$/kg W in-warehouse Rotterdam duty unpaid	37–37.90*	1.56%	▲	08 Dec 17
China export min 75% \$/kg W, fob China	36.5–38*	0.54%	▲	06 Dec 17
Vanadium				
Ferro-vanadium basis 78% min, free delivery duty paid consumer plant, 1st grade, Western Europe \$/kg V	42.40–43.10*	1.97%	▲	08 Dec 17
US free market ferro-vanadium \$/lb in-warehouse Pittsburgh	19.5–20.25*	0.63%	▲	07 Dec 17
Vanadium pentoxide min 98%, in-warehouse Rotterdam \$ per lb V2O5	8.45–9.15*	0%		08 Dec 17
Zircon				
Foundry grade bulk \$/tonne fob Australia	950–1,000	0%		07 Dec 17
Premium bulk \$/tonne fob Australia	1,170–1,270	0%		07 Dec 17
BULK ALLOYS				
	Price	Change [†]	Assessed	
Ferro-chrome \$/lb Cr				
China import charge chrome 50% Cr index, cif Shanghai, duty unpaid	0.85*	–2.3%	▼	08 Dec 17
Ferro-Chrome European Benchmark Indicator, Lumpy Cr charge basis 52% (and high carbon), \$ per lb	1.08*	–7.69%	▼	08 Dec 17
Spot 6–8% C basis 50% Cr delivered duty paid China RMB/tonne	7,300–7,400*	0.68%	▲	08 Dec 17
Contract 6–8% C basis 50% Cr delivered duty paid China RMB/tonne	6,900–7,100*	0%		08 Dec 17
Lumpy Cr charge basis 52% Cr (and high carbon) quarterly	1.39*	26.36%	▲	01 Oct 17
6–8% C basis 60% Cr max 1.5% Si	1.22–1.30*	–3.08%	▼	08 Dec 17
0.10% C average 60–70% Cr	2.23–2.33*	0.66%	▲	01 Dec 17
European low carbon in-warehouse 0.06% C max – 65% Cr	2.30–2.40*	0%		01 Dec 17
Low phosphorous Cr min 65% C max 7% Si max 1% p max 0.015% Ti max 0.05%	1.35–1.40*	0%		01 Dec 17
Japan import 8–9% C, basis 60% Cr, cif Japan, duty unpaid \$/lb contained chrome	0.86–0.93*	–2.19%	▼	07 Dec 17
South Korea import 8–9% C, basis 60% Cr, cif South Korea, duty unpaid \$/lb contained chrome	0.85–0.90*	–0.57%	▼	07 Dec 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	1.400–1.480*	0%		07 Dec 17
0.05% C – 65% min Cr	2.25–2.30*	0%		07 Dec 17
0.10% C – 62% min Cr	2.13–2.15*	0.71%	▲	07 Dec 17
0.15% C – 60% min Cr	2.06–2.10*	0.48%	▲	07 Dec 17

	Price	Change	Assessed
Chrome ore \$/tonne			
<i>Chrome ore cif main Chinese ports</i>			
South African UG2 chrome ore concs, index basis 42%	167*	3.09%	▲ 08 Dec 17
Turkish lumpy 40–42% cfr main Chinese ports	335–345*	0%	08 Dec 17
Ferro-manganese			
basis 78% Mn (scale pro rata) standard 7.5% C €/tonne	1,050–1,160*	0%	08 Dec 17
US free market 78% Mn standard 7.5% C \$/long ton in-warehouse Pittsburgh	1,450–1,500*	–1.67%	▼ 07 Dec 17
US free market medium carbon duty paid fob Pittsburgh, 80% min Mn 1.5% max C \$/lb	1.08–1.10*	0%	07 Dec 17
MB Chinese free market min 65% Mn max 7.0% C in-warehouse China RMB/tonne	6,600–7,000*	13.33%	▲ 08 Dec 17
Manganese ore			
44% Mn, cif Tianjin \$/dmtu of metal contained	6.17*	0.16%	▲ 08 Dec 17
37% Mn, fob Port Elizabeth \$/dmtu of metal contained	4.97*	12.19%	▲ 08 Dec 17
Inventories at the main ports of Tianjin and Qinzhou, million tonnes	2.30–2.40*	4.44%	▲ 29 Nov 17
Ferro-nickel			
China premium, 26–32% nickel contained, cif China, \$/tonne	150–200*	–22.22%	▼ 27 Nov 17
Ferro-silicon			
Lumpy basis 75% Si (scale pro rata) €/tonne	1,380–1,420*	3.7%	▲ 08 Dec 17
US free market \$/lb in-warehouse Pittsburgh lumpy basis 75% Si – imported	0.97–1.05*	8.02%	▲ 07 Dec 17
Export from mainland China, min 75% Si, 7.5% C, \$/tonne, fob	2,100–2,400*	52.54%	▲ 08 Dec 17
MB Chinese free market min 75% Si, in-warehouse China, RMB/tonne	10,000–12,000*	48.65%	▲ 08 Dec 17
Silico-manganese			
Lumpy basis 65–75% Mn basis 15–19% Si (scale pro rata) €/tonne	950–1,030*	0%	08 Dec 17
US free market \$/lb in-warehouse Pittsburgh	0.60–0.62*	1.67%	▲ 07 Dec 17
MB Chinese free market min 65% Mn max 17% Si in-warehouse China RMB/tonne	8,500–8,600*	28.57%	▲ 08 Dec 17
65% min Mn 16% min Si \$/tonne fob India	1,070–1,140*	0%	08 Dec 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	490–520*	0%	06 Dec 17
Wire rod (mesh quality)	515–525*	0.97% ▲	06 Dec 17
Plate (8–40mm)	510–530*	–2.8% ▼	06 Dec 17
Hot rolled coil	510–520*	0%	06 Dec 17
Cold rolled coil	560–580*	–1.72% ▼	06 Dec 17
Hot-dip galvanized coil	640–660*	–1.52% ▼	06 Dec 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	480–490*	0%	06 Dec 17
Wire rod (mesh quality)	485–495*	1.03% ▲	06 Dec 17
Plate (8–40mm)	500–520*	–2.86% ▼	06 Dec 17
Hot rolled coil	510–515*	0.49% ▲	06 Dec 17
Cold rolled coil	575–590*	0.43% ▲	06 Dec 17
Hot-dip galvanized coil	640–655*	–1.52% ▼	06 Dec 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	475–485*	0%	06 Dec 17
Wire rod (mesh quality)	485–490*	0%	06 Dec 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	530–560*	0%	06 Dec 17
Wire rod (mesh quality)	520–540*	0%	06 Dec 17
Sections (medium)	640–660*	0%	06 Dec 17
Beams	600–625*	0.82% ▲	06 Dec 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	500–510*	–1.46% ▼	06 Dec 17
Wire rod (mesh quality)	500–520*	0%	06 Dec 17
Sections (medium)	610–620*	–0.4% ▼	06 Dec 17
Beams	600–620*	0.83% ▲	06 Dec 17
Central Europe domestic € per tonne ex-works			
Hot rolled coil	515–525*	0.97% ▲	06 Dec 17
Poland domestic zloty per tonne ex-works			
Rebar	2,170–2,200*	–0.68% ▼	08 Dec 17
Northern Europe € per tonne ex-works			
Plate (8–40mm)	560–570*	0%	06 Dec 17
Hot rolled coil	520–540*	–0.93% ▼	06 Dec 17
Cold rolled coil	610–630*	0%	06 Dec 17
Hot-dip galvanized coil	650–690*	0%	06 Dec 17
Southern Europe € per tonne ex-works			
Plate (8–40mm)	500–510*	0%	06 Dec 17
Hot rolled coil	500–520*	0%	06 Dec 17
Cold rolled coil	570–600*	–0.85% ▼	06 Dec 17
Hot-dip galvanized coil	590–630*	0%	06 Dec 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	505–510*	0%	06 Dec 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 index	476*	2.15% ▲	04 Dec 17
Slab	460–465*	–0.54% ▼	04 Dec 17
Rebar	515–525*	1.96% ▲	04 Dec 17
Wire rod (mesh)	540–550*	2.83% ▲	04 Dec 17
Heavy plate (10–50mm)	560–624*	1.2% ▲	04 Dec 17
Hot rolled coil	515–545*	0.47% ▲	04 Dec 17
Cold rolled coil	580–605*	0.85% ▲	04 Dec 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	32,000–32,500*	–0.62% ▼	04 Dec 17
Hot rolled sheet	39,200–39,500*	0%	04 Dec 17
Cold rolled sheet	44,100–46,000*	–0.33% ▼	04 Dec 17
Plate	39,000–40,000*	0%	04 Dec 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	520–530*	3.96% ▲	07 Dec 17
Rebar	540–560*	4.76% ▲	07 Dec 17
Wire rod (mesh quality)	560–580*	2.7% ▲	07 Dec 17
Merchant bars	590–600*	5.31% ▲	07 Dec 17
Structural pipe	615–630*	–2.73% ▼	08 Nov 17
Hot rolled coil	550–560*	1.83% ▲	08 Dec 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	515–525*	5.05% ▲	07 Dec 17
Rebar	565–570*	4.13% ▲	07 Dec 17
Wire rod (mesh quality)	585–600*	3.04% ▲	07 Dec 17
Hot rolled coil	570–580*	2.68% ▲	08 Dec 17
Cold rolled coil	650–660*	0%	08 Dec 17
Hot dip galvanized	740–750*	0%	08 Dec 17
Prepainted galvanized	820–840*	0%	08 Dec 17
Turkish imports			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr main Turkish port</i>			
Billet	510–525*	8.38% ▲	07 Dec 17
Hot rolled coil	540–560*	2.33% ▲	08 Dec 17
Cold rolled coil	600–610*	1.42% ▲	08 Dec 17
UAE imports			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr Jebel Ali</i>			
Billet	485–490*	0%	05 Dec 17
Rebar	520–530*	1.94% ▲	05 Dec 17
Hot rolled coil	565–570*	1.34% ▲	05 Dec 17
Cold rolled coil	680–690*	11.84% ▲	05 Dec 17
Hot dip galvanized coil	760–780*	0.65% ▲	05 Dec 17
Saudi Arabia imports			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr</i>			
Rebar	530–540*	3.88% ▲	05 Dec 17
Hot rolled coil	590–600*	5.31% ▲	05 Dec 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	2,015–2,016*	0%	05 Dec 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	630–640*	3.67% ▲	06 Dec 17
Hot rolled coil	565–580*	0.88% ▲	06 Dec 17
Hot dip galvanized coil	640–685*	0%	06 Dec 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	11,950–11,980*	0%	07 Dec 17

Egyptian import			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr main port</i>			
Billet	505–510*	1% ▲	07 Dec 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	440–450*	0%	08 Dec 17
Slab, Brazil	440–460*	0%	08 Dec 17
Rebar	560–565*	0%	08 Dec 17
Wire rod mesh quality	560–565*	0%	08 Dec 17
Heavy plate over 10mm	545–560*	0%	08 Dec 17
Hot rolled coil (dry)	570–580*	0.88% ▲	08 Dec 17
Cold rolled coil	630–635*	0.8% ▲	08 Dec 17
Galvanized coil	800–810*	0%	08 Dec 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	600–610*	0%	08 Dec 17
Hot rolled coil	605–620*	0.41% ▲	08 Dec 17
Cold rolled coil	655–660*	0.38% ▲	08 Dec 17
Galvanized coil	715–720*	0.35% ▲	08 Dec 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	705–725*	3.25% ▲	08 Dec 17
Cold rolled coil	825–835*	0%	08 Dec 17
Galvanized coil	1,050–1,140*	0%	08 Dec 17
Rebar	840–850*	0%	08 Dec 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	3,540–3,670*	0%	08 Dec 17
Cold rolled coil	3,700–3,810*	0%	08 Dec 17
Hot dip galvanized coil	3,870–4,030*	0%	08 Dec 17
<i>Metal Bulletin's appraisal of prices within Brazil for commercial-quality carbon steel, Reais per tonne delivered</i>			
Rebar	3,510–3,680*	7.96% ▲	08 Dec 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	540–549*	3.03% ▲	06 Dec 17
Merchant bars	600–640*	0%	27 Nov 17
Wire rod (low carbon)	549–581*	–1.14% ▼	22 Nov 17
Medium sections	600–635*	0%	27 Nov 17
Medium plate	560–580*	–2.98% ▼	29 Nov 17
Hot rolled coil (commodity)	580–600*	–4.84% ▼	29 Nov 17
Cold rolled coil	690–740*	–2.05% ▼	29 Nov 17
Hot dipped galvanized 0.012–0.015, G30	900–965*	–4.85% ▼	29 Nov 17
ERW linepipe (X42)	800–820*	–3.57% ▼	28 Nov 17
OCTG API5CT – casing J55	825–860*	0%	28 Nov 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)	540–560*	0%	06 Dec 17
Wire rod (mesh quality fob mill)	580–580*	0%	23 Nov 17
Plate (fob mill)	647–647*	–1.22% ▼	01 Dec 17
Hot rolled sheet index (fob mill)	633–633*	1.87% ▲	07 Dec 17
Cold rolled sheet (fob mill)	820–820*	2.5% ▲	07 Dec 17
Hot-dip galvanized (base) Midwest (fob mill)	800–800*	0%	07 Dec 17
OCTG API5CT – casing J55 (fob mill)	950–1,000*	–4.88% ▼	28 Nov 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%	27 Nov 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 index	540–540*	–0.69% ▼	08 Dec 17
Wire rod (mesh quality)	570–580*	0.88% ▲	05 Dec 17
Heavy plate	555–565*	4.67% ▲	05 Dec 17
Hot rolled coil index	572–572*	1.96% ▲	08 Dec 17
Cold rolled coil	600–605*	0.84% ▲	05 Dec 17
Galvanized coil 1mm	660–670*	1.53% ▲	05 Dec 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	4,730–4,800*	–0.1% ▼	08 Dec 17
Wire rod (mesh)	4,640–4,720*	4% ▲	08 Dec 17
Sections	4,200–4,250*	2.67% ▲	08 Dec 17
Plate	4,220–4,310*	0.35% ▲	08 Dec 17
Hot rolled coil (min 2mm)	4,220–4,250*	–0.59% ▼	08 Dec 17
Cold rolled coil (0.5 – 2 mm)	4,860–4,950*	1.66% ▲	08 Dec 17
Hot-dip galvanized coil	5,040–5,100*	3.47% ▲	08 Dec 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	3,930–3,930*	1.03% ▲	08 Dec 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	4,250–4,380*	3.23% ▲	08 Dec 17
Rebar	4,380–4,600*	3.82% ▲	08 Dec 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	4,890–5,050*	8.04% ▲	08 Dec 17
Wire rod (mesh)	4,700–4,900*	4.92% ▲	08 Dec 17
Sections	4,350–4,400*	0.92% ▲	08 Dec 17
Plate	4,460–4,500*	2.17% ▲	08 Dec 17
Hot rolled coil (min 2mm)	4,380–4,460*	1.84% ▲	08 Dec 17
Cold rolled coil (0.5 – 2 mm)	5,020–5,080*	2.02% ▲	08 Dec 17
Hot-dip galvanized coil	5,130–5,200*	3.3% ▲	08 Dec 17
Southeast Asia imports			
<i>Metal Bulletin's appraisal of prices in Southeast Asia for commercial-quality carbon steel \$ per tonne cfr</i>			
Billet	495–504*	0.4% ▲	04 Dec 17
Slab (Asia/East Asia)	480–490*	0% ▲	04 Dec 17
Hot rolled coil (Vietnam)	555–560*	–0.18% ▼	04 Dec 17
Rebar (Singapore)	530–540*	1.9% ▲	04 Dec 17
Wire rod (low carbon)	580–595*	1.73% ▲	04 Dec 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	470–480*	4.97% ▲	08 Dec 17
Plate (12–40mm)	530–535*	1.91% ▲	08 Dec 17
Hot rolled coil (commodity)	565–570*	3.18% ▲	08 Dec 17
Hot-dip galvanized coil	760–780*	3.01% ▲	08 Dec 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)	525–530*	0% ▲	08 Dec 17
Hot rolled coil (commodity)	570–575*	0% ▲	08 Dec 17
Hot rolled coil (CR grade)	560–565*	0% ▲	08 Dec 17
Cold rolled	570–575*	0% ▲	08 Dec 17
Indian domestic			
<i>Metal Bulletin's appraisal of prices within India for commercial-quality carbon steel, rupees per tonne ex-works</i>			
Billet	28,200–28,400*	0.35% ▲	08 Dec 17
Heavy plate	37,500–38,000*	0% ▲	08 Dec 17
Hot rolled coil	39,750–40,250*	1.91% ▲	08 Dec 17
Cold rolled coil	44,500–45,000*	1.13% ▲	08 Dec 17
DRI	19,000–19,200*	–0.78% ▼	08 Dec 17
Hot-dip galvanized coil	49,000–49,500*	0% ▲	08 Dec 17
Rebar	31,200–31,400*	0.32% ▲	08 Dec 17

STEELBENCHMARKER™ PRICES

	Price	Change [†]	Assessed
Region: USA east of the Mississippi			
Standard plate (\$/metric tonne)	747	–1.06% ▼	27 Nov 17
Standard plate (\$/short ton)	678	–1.02% ▼	27 Nov 17
Hot rolled coil (\$/metric tonne)	682	1.64% ▲	27 Nov 17
Hot rolled coil (\$/short ton)	618	1.48% ▲	27 Nov 17
Cold rolled coil (\$/metric tonne)	849	–0.47% ▼	27 Nov 17
Cold rolled coil (\$/short ton)	770	–0.52% ▼	27 Nov 17
Region: Mainland China			
Rebar	553	7.17% ▲	27 Nov 17
Standard plate	531	1.14% ▲	27 Nov 17
Hot rolled coil	533	0.95% ▲	27 Nov 17
Cold rolled coil	617	2.32% ▲	27 Nov 17
Region: World export market			
Hot rolled coil (\$/metric tonne)	566	0.89% ▲	27 Nov 17

STAINLESS STEEL			
	Price	Change [†]	Assessed
Asia import			
\$/tonne cif East Asian port			
Grade 304 2mm CR coil 2B	2,060–2,150*	0.72% ▲	06 Dec 17
Grade 304 HR sheet	1,980–2,030*	3.35% ▲	06 Dec 17
China domestic			
yuan/tonne, in-warehouse			
Grade 304 2mm CR coil	14,700–15,100*	1.02% ▲	07 Dec 17
Grade 430 2mm CR coil	9,700–9,800*	–1.02% ▼	07 Dec 17
EU export			
€/tonne fob N. European port			
Min 100 tonne lot			
Grade 304 2mm CR sheet	2,380–2,492*	0.41% ▲	08 Dec 17
EU domestic			
2mm 304 cold rolled stainless sheet, €/tonne			
N. Europe Base price	1,060–1,130*	0.92% ▲	08 Dec 17
Alloy surcharge	1,320–1,362*	0% ▲	08 Dec 17
2mm 316 cold rolled stainless sheet, €/tonne			
Base price	1,360–1,430*	–1.41% ▼	08 Dec 17
Alloy surcharge	1,844–1,919*	0% ▲	08 Dec 17
304 stainless steel bright bar, €/tonne			
Base price	1,000–1,040*	0% ▲	08 Dec 17
Alloy surcharge	1,610–1,681*	0% ▲	08 Dec 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	106–106*	–2.31% ▼	10 Nov 17
Grade 316 coiled plate	141–141*	–3.42% ▼	10 Nov 17
Grade 304 cold rolled sheet	122–122*	0% ▲	27 Nov 17
Grade 316L cold rolled sheet	157–157*	0% ▲	27 Nov 17
Raw materials index			
EU domestic stainless steel \$ per tonne			
304 Europe raw materials index	1,345.27*	0.17% ▲	04 Dec 17

CHINA IRON ORE

cfr main China port \$ per dry metric tonne

	Price	Change [†]	Assessed
Iron ore index (62% Fe)	69.35*	–1.08% ▼	08 Dec 17
Iron ore pellet index cfr Qingdao (65% Fe)	117.63*	–2.8% ▼	08 Dec 17
Iron ore concentrate index cfr Qingdao (66% Fe)	92.98*	3.53% ▲	08 Dec 17
Metal Bulletin Indicator for US\$/% Fe in iron ore fines cfr Qingdao	0.98*	–6.67% ▼	01 Dec 17

IRAN IRON ORE

cfr China US \$ per tonne

	Price	Change [†]	Assessed
Iron ore fines index (60% Fe)	61.34–61.34*	5.18% ▲	06 Dec 17

COKING COAL

\$ per metric tonne

	Price	Change [†]	Assessed
Premium hard coking coal cfr China	209.43–209.43*	1.97% ▲	08 Dec 17
Hard coking coal cfr China	189.78–189.78*	3.94% ▲	08 Dec 17
Premium hard coking coal fob Australia	234.28–234.28*	9.3% ▲	08 Dec 17
Hard coking coal fob Australia	178.21–178.21*	5.42% ▲	08 Dec 17
China hard coking coal Shanxi spot market domestic delivered yuan/tonne	1,300–1,650*	1.72% ▲	08 Dec 17
65% CSR coke \$/tonne fob Tianjin	310–320*	3.28% ▲	05 Dec 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	175–200*	0%	10 Nov 17
1&2 old steel	155–180*	0%	10 Nov 17
12A/C new production heavy and shovellable steel	185–210*	2.6%	▲ 10 Nov 17
12D new production heavy and shovellable steel	190–215*	2.53%	▲ 10 Nov 17
Bales and cuttings			
4A new steel bales	190–215*	2.53%	▲ 10 Nov 17
4C new steel bales	180–205*	2.67%	▲ 10 Nov 17
8A new loose light cuttings	175–205*	2.7%	▲ 10 Nov 17
8B new loose light cuttings	160–190*	2.94%	▲ 10 Nov 17
Turnings			
UK inter-merchant 7B heavy steel turnings	135–155*	3.57%	▲ 10 Nov 17
Cast iron			
9A/10 heavy and light cast iron	160–185*	2.99%	▲ 10 Nov 17
9B/C cylinder block scrap	180–205*	2.67%	▲ 10 Nov 17
11A cast iron borings	105–125*	4.55%	▲ 10 Nov 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	90–115*	5.13%	▲ 08 Dec 17
UK ferrous scrap export			
<i>MB assessment \$/tonne cfr main UK port</i>			
HMS 1&2 (80:20 mix)	317–329*	7.67%	▲ 08 Dec 17
Shredded	322–334*	7.54%	▲ 08 Dec 17
Indian imports			
<i>MB assessment \$/tonne cfr Nhava Sheva</i>			
MB index cfr India shredded	340.54*	1.39%	▲ 08 Dec 17
HMS 1&2 (80:20 mix)	305–325*	1.94%	▲ 08 Dec 17
Alloy steel scrap domestic			
<i>UK wholesale merchants' stainless (£/tonne)</i>			
18/8 solids	850–900*	-1.13%	▼ 08 Dec 17
18/8 turnings	725–765*	-1%	▼ 08 Dec 17
12–13% Cr solids	180–210*	-7.14%	▼ 08 Dec 17
16–17% Cr solids	200–250*	-6.25%	▼ 08 Dec 17
Cif Europe stainless € per tonne			
18/8 solids	1,020–1,040*	-2.83%	▼ 08 Dec 17
18/8 turnings	920–935*	-2.88%	▼ 08 Dec 17
Rotterdam export			
<i>MB assessment \$/tonne fob Rotterdam</i>			
MB index fob Rotterdam HMS 1&2 (80:20)	317.82*	6.37%	▲ 08 Dec 17
HMS 1&2 (70:30 mix)	312–321*	7.29%	▲ 08 Dec 17
Shredded	322–331*	7.05%	▲ 08 Dec 17
Turkish import			
<i>MB assessment \$/tonne cfr main Turkish ports</i>			
MB index cfr Turkey HMS 1&2 (80:20) (North Europe material)	341.40*	7.12%	▲ 08 Dec 17
MB index cfr Turkey HMS 1&2 (80:20) (United States material)	351.16*	6.95%	▲ 08 Dec 17
HMS 1&2 (75:25 mix)	331–340*	6.85%	▲ 08 Dec 17
Shredded	341–351*	6.13%	▲ 08 Dec 17

	Price	Change	Assessed
Turkish domestic			
<i>MB assessment delivered</i>			
Melting scrap from shipbreaking (\$/tonne)	330–330*	6.45%	▲ 04 Dec 17
Auto bundle scrap (Turkish lira/tonne)	1,190–1,345*	6.74%	▲ 04 Dec 17
USA export			
<i>AMM ferrous scrap export index \$/tonne East Coast job New York</i>			
HMS 1&2 (80:20)	319*	7.05%	▲ 06 Dec 17
Shredded	324*	6.93%	▲ 06 Dec 17
USA domestic			
<i>AMM Midwest index \$/gross ton delivered mill</i>			
No1 heavy melting scrap	245.14*	0.07%	▲ 10 Nov 17
No1 busheling	328.89*	-1.27%	▼ 10 Nov 17
Shredded	267.23*	0.04%	▲ 10 Nov 17
China domestic			
<i>yuan/tonne delivered mill</i>			
Heavy scrap	2,190–2,380*	6.28%	▲ 08 Dec 17
Taiwan import			
<i>\$/tonne cfr main port</i>			
HMS 1&2 (80:20 mix) (USA material)	318–325*	3.71%	▲ 08 Dec 17
Germany domestic			
<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)	260–270	2.91%	▲ 14 Nov 17
No E8 (thin new production steel scrap)	260–265	0.96%	▲ 14 Nov 17
No E3 (old thick scrap)	255–265	1.96%	▲ 14 Nov 17
Italy domestic			
<i>MB assessment €/tonne delivered at mill</i>			
No E3 (old thick scrap)	270	7.69%	▲ 15 Nov 17
No E8 (thin new production steel)	285	5.41%	▲ 15 Nov 17

SCRAP SUBSTITUTES

	Price	Change [†]	Assessed
EU imports \$/tonne			
Pig iron imports cif Italy	370–385*	5.59%	▲ 07 Dec 17
Latin American exports \$/tonne, delivery terms as stated			
Hot briquetted iron Venezuela	250–260*	0%	08 Dec 17
Pig iron fob Vitoria/Rio	340–345*	1.48%	▲ 08 Dec 17
Pig iron fob Ponta da Maderia	375–380*	2.72%	▲ 08 Dec 17
US imports \$/tonne cfr Gulf of Mexico			
Pig iron	380–385*	0%	08 Dec 17
CIS exports \$/tonne fob main port			
Pig iron Baltic Sea	370–385*	0%	07 Dec 17
Pig iron Black Sea	350–365*	5.93%	▲ 07 Dec 17
China domestic yuan/tonne delivered warehouse			
Pig iron	2,780–2,820*	0%	08 Dec 17

† week-on-week change

continued >>

NON-FERROUS SCRAP EUROPE

	Price	Change [†]	Assessed
Aluminium			
European free market MB assessment €/tonne			
Floated frag	1,270–1,320*	0%	08 Dec 17
Cast	1,180–1,260*	0%	08 Dec 17
Mixed turnings 6%	1,115–1,165*	0%	08 Dec 17
Germany per 1000kg			
Pure cuttings	1,320–1,430	–0.36% ▼	06 Dec 17
Commercial cast	1,230–1,350	–0.77% ▼	06 Dec 17
H9 extrusions	1,700–1,760	–1.7% ▼	06 Dec 17
Alloy turnings	990–1,140	–0.47% ▼	06 Dec 17
Source: VDM			
France per 1000kg			
Pure cuttings	1,550–1,570	–3.41% ▼	05 Dec 17
Old rolled	780–830	2.55% ▲	05 Dec 17
Commercial cast	1,000–1,020	2.02% ▲	05 Dec 17
Source: Lettre d'Information Metaux			
Italy per 1000kg			
Pure cuttings	1,115–1,215	–0.43% ▼	01 Dec 17
Old mixed scrap	1,445–1,545	–0.33% ▼	01 Dec 17
Commercial cast	1,030–1,080	–0.47% ▼	01 Dec 17
Source: Assomet			
Copper			
Germany per 1000kg			
Copper wire (berry)	5,440–5,620	–0.36% ▼	06 Dec 17
Heavy copper	4,810–5,010	–1.01% ▼	06 Dec 17
Heavy brass	3,420–3,530	–0.86% ▼	06 Dec 17
Brass turnings (MS 58)	3,880–3,930	–0.51% ▼	06 Dec 17
Brass sheet (MS 63)	4,030–4,180	–0.73% ▼	06 Dec 17
Source: Verein Deutscher Metallhandler			
France per 1000kg			
Electro cuttings	4,950–5,000	–2.83% ▼	05 Dec 17
No 1 bright wire	4,550–4,600	–0.97% ▼	05 Dec 17
Mixed (96%)	4,500–4,530	–1.1% ▼	05 Dec 17
Brass plate cuttings 70/30	3,750–3,820	–2.45% ▼	05 Dec 17
Brass turnings	3,250–3,280	–1.51% ▼	05 Dec 17
Mixed brass	3,050–3,130	–1.12% ▼	05 Dec 17
Source: Lettre d'Information Metaux			
Italy per 1000kg			
Electrolytic dd EN 12861–S–Cu–2	5,375–5,535	–1.8% ▼	01 Dec 17
Enamelled wire EN 12861–S–Cu–3	5,210–5,372	–1.85% ▼	01 Dec 17
New from tubes, strips etc EN 12861–S–Cu–4	5,265–5,493	–1.83% ▼	01 Dec 17
Old from tubes, strips etc 12861–S–Cu–7	5,050–5,220	–1.91% ▼	01 Dec 17
EN12861–S–Cu–Zn–1–A–Cu 63.5%	4,350–4,435	–1.35% ▼	01 Dec 17
Mixed from valves/taps EN 12861–S–Cu–Zn–6	3,540–3,870	–1.72% ▼	01 Dec 17
Several 95% m/m 12861–S–Cu–Zn–7	3,607–3,685	–1.62% ▼	01 Dec 17
Source: Assomet			

STEELBENCHMARKER™ SCRAP PRICES

	Price	Change [†]	Assessed
Region: USA, east of the Mississippi			
Shredded scrap (\$/metric tonne)**	276	1.85% ▲	27 Nov 17
Shredded scrap (\$/gross ton)**	280	1.82% ▲	27 Nov 17
No 1 heavy melting scrap (\$/metric tonne)	256	1.99% ▲	27 Nov 17
No 1 heavy melting scrap (\$/gross ton)	260	1.96% ▲	27 Nov 17
No 1 busheling scrap (\$/metric tonne)	335	–1.18% ▼	27 Nov 17
No 1 busheling scrap (\$/gross ton)	340	–1.45% ▼	27 Nov 17

**For shredded scrap the region is for all but the West Coast

UK NON-FERROUS SCRAP

	Price	Change [†]	Assessed
Aluminium – actual price			
<i>£ per tonne</i>			
Group 1 pure 99% & Litho	1,415–1,465*	–0.69% ▼	06 Dec 17
Commercial pure cuttings	1,190–1,240*	–0.82% ▼	06 Dec 17
Clean HE9 extrusions	1,410–1,460*	–0.69% ▼	06 Dec 17
Loose old rolled cuttings	880–920*	–0.83% ▼	06 Dec 17
Baled old rolled	950–970*	–1.03% ▼	06 Dec 17
Commercial cast	1,030–1,080*	0%	06 Dec 17
Cast wheels	1,270–1,310*	–0.39% ▼	06 Dec 17
Commercial turnings	700–750*	0%	06 Dec 17
Group 7 turnings	610–655*	–0.39% ▼	06 Dec 17

MB and LME aluminium scrap discounts

<i>£ per tonne</i>			
Group 1 pure 99% & Litho	53–103*	–35% ▼	06 Dec 17
Commercial pure cuttings	278–328*	–12.17% ▼	06 Dec 17
Clean HE9 extrusions	58–108*	–33.6% ▼	06 Dec 17
Loose old rolled cuttings	437–477*	–3.89% ▼	06 Dec 17
Baled old rolled	387–407*	–3.87% ▼	06 Dec 17
Commercial cast	277–327*	–7.93% ▼	06 Dec 17
Cast wheels	47–87*	–23.86% ▼	06 Dec 17
Commercial turnings	607–657*	–3.95% ▼	06 Dec 17
Group 7 turnings	702–747*	–3.14% ▼	06 Dec 17

Titanium

<i>\$/lb cif</i>			
Turnings, unprocessed type 90/6/4 (0.5% Sn max)	1.01–1.11*	–1.85% ▼	06 Dec 17
Turnings, unprocessed 90/6/4 (over 0.5% max 2% Sn)	0.96–1.06*	–1.94% ▼	06 Dec 17

Copper scrap discount

<i>cents/lb</i>			
No 2 copper (birch/cliff) imported into China 94–96% cif China	32–33*	–4.41% ▼	27 Nov 17

† week-on-week change

continued >>

NON-FERROUS FOUNDRY INGOTS

	Price	Change [†]	Assessed
Aluminium UK £/tonne			
MB free market			
LM24 pressure diecasting ingot	1,610–1,660*	0%	06 Dec 17
LM6/LM25 gravity diecasting ingot	1,805–1,855*	0%	06 Dec 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	1,740–1,800*	0.57% ▲	08 Dec 17
Aluminum US \$/lb delivered Midwest			
A380.1 alloy	0.97–0.98*	0%	07 Dec 17
AFFIMET €/tonne			
AS12	3,739	–1.32% ▼	01 Dec 17
AS12 UN	2,375	–17.53% ▼	01 Dec 17
AS9 U3	2,255	0%	01 Dec 17
AS5 U3	2,605	0%	01 Dec 17
Reflects generally larger traded lots			
VDM €/1000 kg delivered			
DIN 226	2,380–2,480	0.83% ▲	06 Dec 17
DIN 231	2,460–2,560	0.8% ▲	06 Dec 17
DIN 311	2,440–2,540	0.81% ▲	06 Dec 17
Aluminium bronze £/tonne UK			
AB1 ex-works	4,990	–2.16% ▼	05 Dec 17
AB2 ex-works	5,040	–2.14% ▼	05 Dec 17
Source: C. F. Booth Ltd			
Brass UK £/tonne			
SCB3 ex-works	4,030	–2.66% ▼	05 Dec 17
High tensile HTB1 ex-works	4,320	–2.48% ▼	05 Dec 17
Source: C. F. Booth Ltd			
Gunmetal UK £/tonne			
LG2 85/5/5/5 ex-works	4,730	–2.27% ▼	05 Dec 17
LG4 87/7/3/3 ex-works	5,370	–2.01% ▼	05 Dec 17
G11.15 PB ex-works	6,280	–1.72% ▼	05 Dec 17
Source: C. F. Booth Ltd			
Phosphor bronze UK £/tonne			
PB1 ex-works	6,750	–1.6% ▼	05 Dec 17
Source: C. F. Booth Ltd			
Phosphor copper £/tonne			
10% P ex-works	6,250	–3.1% ▼	05 Dec 17
15% P ex-works	6,300	–3.08% ▼	05 Dec 17
Source: C. F. Booth Ltd			
Zinc alloys UK £/tonne			
Brock Metal Co contract alloy price (delivered UK)			
Brock Metal ZL3	2,933	–4.37% ▼	01 Dec 17
Brock Metal ZL5	2,960	–4.39% ▼	01 Dec 17

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Monthly averages: November

BASE METALS

	Low	High
Aluminium		
Aluminium P1020A, in-warehouse Rotterdam premium, duty unpaid, spot \$/tonne	88.50	95.00
Aluminium P1020A, in-warehouse Rotterdam duty paid, spot \$/tonne	155.00	165.00
Alumina		
Index fob Australia	461.08	
Copper		
US High-grade cathode premium indicator, \$/tonne	112.99	124.01
Nickel		
Free market in warehouse premium		
Europe \$/tonne		
Uncut cathodes	182.50	250.00
4x4 cathodes	300.00	375.00
Briquettes	250.00	280.00
US		
Melting \$/lb	0.24	0.29
Tin		
European free market		
Spot Premium 99.9%, \$/tonne	311.25	360.00
Spot premium 99.85%, \$/tonne	295.00	320.00
Kuala Lumpur (ex-smelter), \$/tonne	19,477.86	

MINOR METALS

Antimony		
MB free market Regulus 99.65%, max Se 50ppm, in warehouse, \$/tonne	7,922.22	8,222.22
MMTA Standard grade II, \$/tonne	7,855.56	8,138.89
Bismuth		
MB free market min. 99.99%, tonne lots, in warehouse, \$/lb	5.10	5.31
Cadmium		
MB free market		
min 99.95%, in warehouse, cents/lb	100.00	109.11
min 99.99%, in warehouse cents/lb	105.00	113.00
Cobalt		
MB free market		
High Grade, in warehouse, \$/lb	30.04	31.29
Low Grade, in warehouse, \$/lb	29.94	31.19
Germanium Dioxide		
MB free market min 99.99%, \$/kg	720.00	800.00
Rotterdam, \$/kg	1,100.00	1,250.00
Indium		
MB free market ingots, min 99.97%, in warehouse, \$/kg	263.89	284.44
Magnesium		
MB free market min 99.8%, \$/tonne	2,185.00	2,290.00
China free market min 99.8%, \$/tonne	2,207.50	2,230.00
Mercury		
MB free market min 99.99%, in warehouse, \$/flask	1,350.00	1,450.00

	Low	High
Selenium		
MB free market min 99.5% in warehouse, \$/lb	17.19	18.65
Silicon		
Grade 441, min 99% Si in-warehouse Rotterdam, €/tonne	2,215.00	2,325.00
Titanium		
Ferro-Titanium, 70% (max 4.5% Al), d/d Europe, \$/kg	5.24	5.80

ORES & ALLOYS

	Low	High
Molybdenum		
Free market in warehouse Europe drummed molybdc oxide \$/lb Mo	8.42	8.50
US canned molybdc oxide \$/lb Mo	8.52	8.64
Ferro-molybdenum		
basis 65% min, in-warehouse Rotterdam, \$/kg Mo	20.82	21.17
Tungsten		
European free market APT, \$/mtu	275.25	286.25
Ferro-tungsten		
basis 75% W min, \$/kg	34.98	36.27
Vanadium		
min 98%, in-warehouse Rotterdam, V205, \$/lb	7.10	7.63
Ferro-vanadium		
basis 78% min, free delivery duty paid consumer plant, 1st grade Western Europe, \$/kg V	37.93	39.52
US Free market 70–80%, \$/lb	18.43	19.10

PRECIOUS METALS

Gold		
London \$/troy oz	Morning	1,283.19
	Afternoon	1,282.28
London £/troy oz	Morning	970.57
	Afternoon	970.16
\$/troy oz	Handy/Harman	1,281.90
Palladium		
Morning \$/troy oz	999.50	
Afternoon \$/troy oz	999.80	
Platinum: per troy oz		
Morning \$/troy oz	932.91	
Afternoon \$/troy oz	934.00	
Rhodium		
European free market		
min 99.9% in-warehouse, \$/troy oz	1,361.36	1,497.05
Silver		
London		
spot pence/troy oz	1,286.64	
spot cents/troy oz	1,700.50	
Handy/Harman cents/troy oz	1,697.71	

FOUNDRY INGOTS

	Low	High
Aluminium		
LM24, £/tonne	1,608.00	1,658.00
LM6/LM25, £/tonne	1,804.00	1,857.00
Aluminium Europe €/tonne	1,713.75	1,768.75
Phosphor Bronze		
PB1 ex-works, £/tonne	6,860.00	
Zinc Alloy		
ZL3, £/tonne	3,067.00	

EXCHANGE RATES (CLOSING RATES)

\$/£	1.32
\$/yen	112.79
\$/€	1.17

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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 November (22 days)
LME averages are mean of buyers and sellers except for
settlement and 3 months sellers.

	Jan–Nov 2017		November
	Low	High	average
	\$	\$	\$
Aluminium (\$)			
Cash	1,700.50	2,187.50	2,100.57
3 months	1,688.25	2,196.75	2,116.60
Settlement	1,701.00	2,188.00	2,101.02
3 months seller	1,688.50	2,197.00	2,117.02
Copper Grade A (\$)			
Cash	5,465.75	7,073.25	6,825.09
3 months	5,490.50	7,095.50	6,856.82
Settlement	5,466.00	7,073.50	6,825.57
3 months seller	5,491.00	7,096.00	6,857.55
Copper Grade A (£)			
Settlement	4,215.29	5,373.77	5,165.20
3 months seller	4,217.78	5,374.94	5,173.45
Lead (\$)			
Cash	2,006.75	2,584.50	2,463.80
3 months	2,021.00	2,592.50	2,472.31
Settlement	2,007.00	2,585.00	2,464.41
3 months seller	2,022.00	2,593.00	2,473.00
Lead (£)			
Settlement	1,575.55	1,954.87	1,865.00
3 months seller	1,575.54	1,955.53	1,865.74
Nickel (\$)			
Cash	8,712.50	12,827.50	11,989.89
3 months	8,775.00	12,882.50	12,046.02
Settlement	8,715.00	12,830.00	11,992.73
3 months seller	8,780.00	12,885.00	12,050.23
Tin (\$)			
Cash	18,757.50	21,295.00	19,567.16
3 months	18,755.00	21,212.50	19,459.09
Settlement	18,760.00	21,300.00	19,574.55
3 months seller	18,760.00	21,225.00	19,468.18

	Jan–Nov 2017		November
	Low	High	average
	\$	\$	\$
Zinc (\$)			
Cash	2,434.25	3,369.75	3,235.61
3 months	2,450.25	3,306.50	3,197.05
Settlement	2,434.50	3,370.00	3,236.16
3 months seller	2,450.50	3,309.00	3,197.61
Cobalt (\$)			
Cash	32,750.00	68,250.00	62,022.73
3 months	32,750.00	68,250.00	61,772.73
Settlement	33,000.00	68,500.00	62,272.73
3 months seller	33,000.00	68,500.00	62,022.73
Molybdenum (\$)			
Cash	15,000.00	17,250.00	15,750.00
3 months	15,000.00	17,250.00	15,750.00
Settlement	15,250.00	17,500.00	16,000.00
3 months seller	15,250.00	17,500.00	16,000.00
Aluminium Alloy (\$)			
Cash	1,540.00	1,915.00	1,844.77
3 months	1,560.00	1,930.00	1,859.77
Settlement	1,545.00	1,920.00	1,849.77
3 months seller	1,565.00	1,935.00	1,864.57
Nasaa (\$)			
Cash	1,695.00	1,990.25	1,865.59
3 months	1,725.00	2,007.50	1,885.63
Settlement	1,700.00	1,990.50	1,867.32
3 months seller	1,730.00	2,010.00	1,888.75

LME SETTLEMENT CONVERSION RATES

\$/£	1.32
\$/yen	112.82
\$/€	1.17