

Prices

For the latest prices go to <http://www.metalbulletin.com/My-price-book.html>

NEW YORK FUTURES				
	Price	Change [†]		Assessed
Comex: Copper high grade cents/lb				
Settlement	313.45	2.8%	▲	22 Nov 17
Open interest	277,126	-2.13%	▼	21 Nov 17
Stocks (short ton)	209,339	0.66%	▲	21 Nov 17
Comex: Gold \$/troy oz				
Settlement	1,291.60	1.18%	▲	22 Nov 17
Open interest	531,612	-0.27%	▼	21 Nov 17
Stocks (troy oz)	8,826,263	1.84%	▲	21 Nov 17
Nymex: Palladium \$/troy oz				
Settlement	1,001.95	1.71%	▲	22 Nov 17
Stocks (troy oz)	54,083	0%		21 Nov 17
Nymex: Platinum \$/troy oz				
Settlement	940.70	0.81%	▲	22 Nov 17
Stocks (troy oz)	195,032	-0.05%	▼	21 Nov 17
Comex: Silver cents/troy oz				
Settlement	1,710.10	0.89%	▲	22 Nov 17
Open interest	199,402	-0.25%	▼	21 Nov 17
SHANGHAI FUTURES				
	Price	Change [†]		Assessed
Aluminium yuan/tonne	14,975	-2.22%	▼	24 Nov 17
Copper yuan/tonne	54,240	2.49%	▲	24 Nov 17
Nickel cathode yuan/tonne	96,230	4.27%	▲	24 Nov 17
Tin ingot yuan/tonne	142,200	0.85%	▲	24 Nov 17
Zinc yuan/tonne	25,645	1.67%	▲	24 Nov 17
Steel rebar month 1 yuan/tonne	4,068	1.7%	▲	24 Nov 17
Steel rebar month 2 yuan/tonne	3,964	2.56%	▲	24 Nov 17
Steel rebar month 3 yuan/tonne	3,864	3.48%	▲	24 Nov 17
Weekly stocks deliverable				
Aluminium (tonnes)	694,572	0.48%	▲	24 Nov 17
Copper (tonnes)	164,813	1.24%	▲	24 Nov 17
Nickel cathode (tonnes)	43,397	4.3%	▲	24 Nov 17
Tin ingot (tonnes)	8,232	-3.72%	▼	24 Nov 17
Zinc (tonnes)	80,196	-5.1%	▼	24 Nov 17
Steel rebar (tonnes)	7,767	-37.85%	▼	24 Nov 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	2,103-2,104	1.29%	▲	24 Nov 17
Cash unofficial	2,096.5-2,098.5	-0.1%	▼	23 Nov 17
3 months official	2,119-2,120	1.16%	▲	24 Nov 17
3 months unofficial	2,113-2,115	-0.19%	▼	23 Nov 17
LME Tapo notional average price (NAP)	2,106.71	-0.6%	▼	23 Nov 17
LME stocks (tonnes)	1,124,975	-2.84%	▼	23 Nov 17
Aluminium alloy (A380.1/DIN/D12S) \$				
LME cash official	1,815-1,825	-1.36%	▼	24 Nov 17
LME cash unofficial	1,830-1,840	-0.54%	▼	23 Nov 17
LME 3 months official	1,830-1,840	-1.34%	▼	24 Nov 17
LME 3 months unofficial	1,845-1,855	-0.54%	▼	23 Nov 17
LME stocks (tonnes)	12,120	0%		23 Nov 17

	Price	Change		Assessed
N. American special aluminium alloy				
LME cash official	1,855-1,856	-1.86%	▼	24 Nov 17
LME cash unofficial	1,885.5-1,895.5	-1.1%	▼	23 Nov 17
LME 3 months official	1,865-1,870	-2.35%	▼	24 Nov 17
LME 3 months unofficial	1,900-1,910	-1.04%	▼	23 Nov 17
LME stocks (tonnes)	181,980	0.29%	▲	23 Nov 17
Copper grade A \$				
LME cash official	6,967-6,967.5	3.56%	▲	24 Nov 17
LME cash unofficial	6,937-6,939	2.96%	▲	23 Nov 17
LME 3 months official	6,999-7,000	3.43%	▲	24 Nov 17
LME 3 months unofficial	6,967-6,969	2.91%	▲	23 Nov 17
LME Tapo notional average price (NAP)	6,822.68	-0.04%	▼	23 Nov 17
LME stocks (tonnes)	213,600	-13.77%	▼	23 Nov 17
Lead \$				
LME cash official	2,479.5-2,480.5	2.99%	▲	24 Nov 17
LME cash unofficial	2,442.5-2,444.5	1.5%	▲	23 Nov 17
LME 3 months official	2,486-2,487	2.79%	▲	24 Nov 17
LME 3 months unofficial	2,452-2,454	1.41%	▲	23 Nov 17
LME stocks (tonnes)	145,325	-0.38%	▼	23 Nov 17
Nickel \$				
LME cash official	12,010-12,015	4.75%	▲	24 Nov 17
LME cash unofficial	11,815-11,840	3.3%	▲	23 Nov 17
LME 3 months official	12,100-12,120	5.14%	▲	24 Nov 17
LME 3 months unofficial	11,875-11,900	3.32%	▲	23 Nov 17
LME stocks (tonnes)	382,362	0.29%	▲	23 Nov 17
Tin \$				
LME cash official	19,645-19,650	0.46%	▲	24 Nov 17
LME cash unofficial	19,465-19,515	0.15%	▲	23 Nov 17
LME 3 months official	19,530-19,540	0.42%	▲	24 Nov 17
LME 3 months unofficial	19,400-19,450	0.26%	▲	23 Nov 17
LME stocks (tonnes)	2,205	2.8%	▲	23 Nov 17
Zinc special high grade \$				
LME cash official	3,271-3,271.5	2.25%	▲	24 Nov 17
LME cash unofficial	3,268.5-3,270.5	2.65%	▲	23 Nov 17
LME 3 months official	3,246-3,247	2.8%	▲	24 Nov 17
LME 3 months unofficial	3,238-3,240	2.99%	▲	23 Nov 17
LME stocks (tonnes)	219,700	-3.12%	▼	23 Nov 17
Cobalt min 99.3%				
LME cash official	63,500-64,000	4.08%	▲	24 Nov 17
LME 3 months official	62,500-63,000	2.87%	▲	24 Nov 17
LME stocks (tonnes)	725	-1.09%	▼	23 Nov 17
Molybdenum \$				
LME cash official	15,500-16,000	0%		24 Nov 17
LME 3 months official	15,500-16,000	0%		24 Nov 17
LME stocks (tonnes)	0	0%		23 Nov 17

† week-on-week change

continued >>

Gold \$/troy oz	Price	Change	Assessed
London morning	1,289.15	0.41% ▲	24 Nov 17
London afternoon	1,290.35	0.81% ▲	23 Nov 17
Handy/Harman	1,286.95	0.37% ▲	22 Nov 17
Silver per troy oz			
London spot pence	1,280	-1.16% ▼	24 Nov 17
London spot cents	1,705	-0.2% ▼	24 Nov 17
Handy/Harman	1,714.5	0.76% ▲	22 Nov 17
Palladium \$/troy oz			
London morning	1,002	1.62% ▲	23 Nov 17
London afternoon	1,005	2.24% ▲	23 Nov 17
Platinum \$/troy oz			
London morning	933	0.21% ▲	23 Nov 17
London afternoon	933	0.21% ▲	23 Nov 17
Kuala Lumpur tin market			
Tin \$/tonne	19,420	0.11% ▲	24 Nov 17
ICDX			
Tin PB300 settlement price \$/tonne	19,650	0.77% ▲	24 Nov 17
Tin PB300 volume, tonnes	24	-29.41% ▼	24 Nov 17

RAND FIXING PRICES

Rand fixing prices per tonne for London Metal Exchange trade

	Price	Change [†]	Assessed
Copper	96,891.45	1.68% ▲	24 Nov 17
Aluminium	29,258.64	-0.53% ▼	24 Nov 17
Lead	34,494.33	1.11% ▲	24 Nov 17
Zinc	45,494.13	0.4% ▲	24 Nov 17
Nickel	167,082.99	2.86% ▲	24 Nov 17
Tin	273,256.83	-1.35% ▼	24 Nov 17

EXCHANGE RATES

	Price	Change [†]	Assessed
LME settlement conversion rates			
\$/£	1.3327	0.99% ▲	24 Nov 17
\$/¥	111.3700	-1.11% ▼	24 Nov 17
\$/€	1.1874	0.7% ▲	24 Nov 17
Closing rates, midpoint			
\$/£	1.3296	0.77% ▲	23 Nov 17
\$/¥	111.2450	-1.38% ▼	23 Nov 17
\$/€	1.1842	0.59% ▲	23 Nov 17
£/€	1.1228	0.18% ▲	23 Nov 17
\$/CNY	6.5823	-0.76% ▼	23 Nov 17

BASE METALS ARBITRAGE

	Price	Change [†]	Assessed
Aluminium			
Import arbitrage, \$/tonne	-369.60*	13.67% ▲	24 Nov 17
Import arbitrage, RMB/tonne	-2,443.24*	13.09% ▲	24 Nov 17
Copper			
Import arbitrage, \$/tonne	-97.94*	19.18% ▲	24 Nov 17
Import arbitrage, RMB/tonne	-647.45*	18.57% ▲	24 Nov 17
Nickel			
Import arbitrage, \$/tonne	-40.20*	-158.85% ▼	24 Nov 17
Import arbitrage, RMB/tonne	-265.76*	-158.56% ▼	24 Nov 17
Zinc			
Import arbitrage, \$/tonne	-93.99*	16.6% ▲	24 Nov 17
Import arbitrage, RMB/tonne	-621.30*	15.99% ▲	24 Nov 17

MB BASE METAL PREMIUMS

All prices \$/tonne unless otherwise stated

*MB Copyright

	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	40.0-50.0*	-5.26% ▼	21 Nov 17
North European warrants, Grade A cathode, in-warehouse, \$/tonne	5.0-15.0*	0%	21 Nov 17
Leghorn, copper low-high premium, Grade A, cathode, cif, \$/tonne	52.5-57.0*	0%	21 Nov 17
Leghorn, copper average premium, Grade A, cathode, cif, \$/tonne	55*	0%	21 Nov 17
South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne	60.0-65.0*	0%	21 Nov 17
South Korea, copper average premium, Grade A, cathode, cif, \$/tonne	62.5*	0%	21 Nov 17
Southeast Asian warrants, Grade A cathode, in-warehouse, \$ per tonne	5.0-10.0*	0%	21 Nov 17
Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne	70.0-82.0*	-5% ▼	24 Nov 17
Shanghai, copper average premium, Grade A, cathode, in-warehouse, \$/tonne	76*	-5% ▼	24 Nov 17
Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne	65.0-75.0*	-6.67% ▼	24 Nov 17
Shanghai, copper average premium, Grade A, cathode, cif, \$/tonne	70*	-6.67% ▼	24 Nov 17
MB free market US: High-grade cathode premium indicator, \$/tonne	115.7-126.8*	4.76% ▲	21 Nov 17
Aluminium			
Aluminium P1020A, in-whs Rotterdam duty unpaid, spot low-high, \$/tonne	90.0-95.0*	0%	24 Nov 17
Aluminium P1020A, in-warehouse Rotterdam duty unpaid, spot weighted average, \$/tonne	92*	0%	24 Nov 17
Aluminium P1020A, cif Korea (Gwangyang or Busan), spot low-high, \$/tonne	80-100*	0%	21 Nov 17
Aluminium P1020A, cif Korea (Gwangyang or Busan), spot weighted average, \$/tonne	93*	0%	21 Nov 17
Aluminium P1020A, Southeast Asian warrants, in-warehouse, \$/tonne	5.0-20.0*	0%	21 Nov 17
Aluminium P1020A, cif Shanghai, spot low-high, \$/tonne	90.0-100.0*	0%	21 Nov 17
Aluminium P1020A, cif Shanghai, spot weighted average, \$/tonne	95*	0%	21 Nov 17
Aluminium P1020A, cif main Japanese ports, spot low-high, \$/tonne	85.0-100.0*	0%	21 Nov 17
Aluminium P1020A, cif main Japanese ports, spot weighted average, \$/tonne	94*	1.08% ▲	21 Nov 17
Aluminium ingot ADC 12 spot, main Japanese ports, \$/tonne	1,970*	0%	22 Nov 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	155.0-165.0*	0%	24 Nov 17
Aluminium 6063 extrusion billet, in-whs Rotterdam duty-paid, spot, \$/tonne	350.0-360.0*	0%	17 Nov 17
Aluminium P1020A, delivered US midwest, spot, \$/lb	0.093-0.095*	0%	21 Nov 17
Aluminium P1020A, delivered Sao Paulo region, spot, \$/tonne	230.0-240.0*	0%	21 Nov 17

† week-on-week change

continued >>

	Price	Change	Assessed
Aluminium P1020A, cif Brazilian main ports duty-unpaid, spot, \$/tonne	160.0–170.0*	0%	21 Nov 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%	21 Nov 17
Southeast Asian warrants, min 99.97% ingots, in-warehouse, \$/tonne	10.0–20.0*	0%	21 Nov 17
USA lead premium 99.97%, delivered domestic, \$/lb	0.09–0.11*	0%	21 Nov 17
USA lead premium 99.97%, delivered domestic, cents/lb	9–11*	0%	21 Nov 17
USA lead premium 99.99%, delivered domestic, cents/lb	11–12.5*	0%	21 Nov 17
Nickel			
Shanghai, nickel low-high premium, 99.8% purity in-warehouse, \$/tonne	300.0–320.0*	6.9% ▲	21 Nov 17
Shanghai, nickel average premium, 99.8% purity in-warehouse, \$/tonne	310*	6.9% ▲	21 Nov 17
Shanghai, nickel low-high premium, 99.8% purity, full plate, cif, \$/tonne	290.0–300.0*	3.51% ▲	21 Nov 17
Shanghai, nickel premium, 99.8% purity full plate, cif, \$/tonne	295*	3.51% ▲	21 Nov 17
Southeast Asian warrants, min 99.80% full plates, in-warehouse, \$/tonne	120–200*	0%	21 Nov 17
Southeast Asian warrants, min 99.80% briquettes, in-warehouse, \$/tonne	10–20*	0%	21 Nov 17
uncut cathodes premium indicator	180.0–250.0*	0%	21 Nov 17
4x4 cathodes premium indicator	300.0–375.0*	0%	21 Nov 17
briquettes premium indicator	250.0–280.0*	0%	21 Nov 17
US: melting premium indicator, \$/lb	0.240–0.300*	0%	21 Nov 17
Tin			
MB European free market			
Spot premium 99.9%, \$/tonne	300–350*	–2.99% ▼	21 Nov 17
Spot premium 99.85%, \$/tonne	290–315*	–3.2% ▼	21 Nov 17
United States New York spot, cents/lb	911–912	0.22% ▲	22 Nov 17
Zinc			
North European warrants, min 99.995% SHG ingots, \$/tonne	80.0–90.0*	0%	21 Nov 17
MB EU: Special high grade, fca Rotterdam, \$/tonne	135.0–140.0*	0%	21 Nov 17
Malaysia in-warehouse, 99.995% SHG ingots, \$/tonne	75.0–90.0*	0%	21 Nov 17
Singapore, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne	75.0–90.0*	0%	21 Nov 17
Singapore, zinc average premium, 99.995% purity, in-warehouse, \$/tonne	80*	0%	21 Nov 17
Shanghai, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne	150.0–160.0*	–3.12% ▼	21 Nov 17
Shanghai, zinc average premium, 99.995% purity, in-warehouse, \$/tonne	155*	–3.12% ▼	21 Nov 17
MB US: Special high grade, \$/lb	0.080–0.090*	0%	21 Nov 17

BASE METALS			
	Price	Change†	Assessed
Alumina			
MB Chinese free market, metallurgical grade, delivered duty paid, RMB/tonne	3,400.0–3,550.0*	–2.8% ▼	23 Nov 17
Alumina Index fob Australia	457*	–0.35% ▼	23 Nov 17
Alumina Index fob Brazil	1.33*		23 Nov 17
Alumina Index fob Brazil, inferred Brazil price \$ per dry metric ton	458.33*		23 Nov 17
Bauxite			
fob Kamsar, Guinea \$/tonne per dmtu	38*	0%	23 Nov 17
fob Trombetas, Brazil \$/tonne per dmtu	38*	0%	23 Nov 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):	5,925.9–5,952.6	3.12% ▲	22 Nov 17
cathodes:	5,910.0–5,970.0	3.21% ▲	22 Nov 17
South Africa: Palabora copper rod 7.90mm, Rand/tonne	106,407.830	7.68% ▲	01 Nov 17
Copper concentrate Asia-Pacific Index RC import, US cents/lb (twice monthly on 15th and last day of month)	8.59–8.59*	–3.7% ▼	15 Nov 17
Copper concentrate Asia-Pacific Index TC import, \$/dmt (twice monthly on 15th and last day of month)	85.90–85.90*	–3.7% ▼	15 Nov 17
Shanghai bonded copper stocks, tonnes	460,000–470,000*	–4.12% ▼	20 Nov 17
Nickel			
Nickel pig iron high grade NPI content 10–15% contract price delivered duty paid China RMB per nickel unit price	1,000–1,020*	0%	21 Nov 17
Nickel pig iron high grade NPI content 10–15% spot price China RMB per nickel unit price	900–930*	–6.15% ▼	21 Nov 17
Nickel ore			
Laterite ore with 1.5% nickel content cif China, \$/tonne	33–34*	–10.67% ▼	21 Nov 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	52–54*	–5.36% ▼	21 Nov 17
Lead			
Germany: (VDM) virgin soft, €/tonne	2,280–2,300	0.88% ▲	22 Nov 17
European automotive battery premium free market (Eurobat)			
in-warehouse Rotterdam €/tonne			
Soft lead (average)	155.04*	–0.21% ▼	28 Sep 17
Ca/Ca grid grid lead (average)	439.80*	–1.37% ▼	28 Sep 17
Connector lead (average)	578.90*	–2.12% ▼	28 Sep 17
For an explanation of these premiums, see http://www.eurobat.org/statistics			
Zinc			
Germany: (VDM) virgin, €/tonne	2,950–2,950	3.51% ▲	22 Nov 17
UK: Special high grade, delivered monthly average price £/tonne	2,642*	5.64% ▲	01 Nov 17

† week-on-week change

continued >>

PRECIOUS METALS			
	Price	Change [†]	Assessed
Iridium			
MB free market: min 99.9%, \$/troy oz in-warehouse	925–1,025*	0%	24 Nov 17
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	970	0%	24 Nov 17
Engelhard base price: \$/troy oz	990	0%	24 Nov 17
Palladium			
European free market: min 99.9%, \$/troy oz in-warehouse	1,001–1,018*	1.82% ▲	24 Nov 17
Engelhard base price: \$/troy oz	1,018	1.8% ▲	24 Nov 17
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	1,017	1.8% ▲	24 Nov 17
Platinum			
European free market: min 99.9%, \$/troy oz in-warehouse	932–943*	0.16% ▲	24 Nov 17
Engelhard base price: \$/troy oz	943	0.21% ▲	24 Nov 17
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	941	0.32% ▲	24 Nov 17
Rhodium			
European free market: min 99.9%, \$/troy oz in-warehouse	1,425–1,550*	0%	24 Nov 17
Engelhard base price: \$/troy oz	1,525	1.67% ▲	24 Nov 17
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	1,500	0%	24 Nov 17
Ruthenium			
European free market: min 99.9%, \$/troy oz in-warehouse	135–175*	16.98% ▲	24 Nov 17
Engelhard base price: \$/troy oz	150	20% ▲	24 Nov 17
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	150	15.38% ▲	24 Nov 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	8,000–8,300*	1.24% ▲	24 Nov 17
MMTA Standard Grade II, \$/tonne in-warehouse Rotterdam	7,950–8,250*	1.25% ▲	24 Nov 17
MB Chinese free market MMTA Standard Grade II, delivered duty paid RMB/tonne	51,500–52,500*	0.48% ▲	22 Nov 17
Arsenic			
MB free market \$/lb	0.90–1.25*	0%	24 Nov 17
Bismuth			
MB free market \$/lb	5.10–5.30*	0%	24 Nov 17
MB China domestic, min 99.99%, RMB/tonne	71,500–73,000*	1.05% ▲	24 Nov 17
Cadmium			
MB free market min 99.95% cents/lb	100–110*	0%	24 Nov 17
MB free market min 99.99% cents/lb	105–113*	0%	24 Nov 17
Chromium			
MB free market alumino-thermic min 99% \$/tonne	7,800–8,100*	1.27% ▲	24 Nov 17
Cobalt			
MB free market high-grade \$/lb	30.5–31.85*	1.46% ▲	24 Nov 17
MB free market low-grade \$/lb	30.20–31.5*	0.57% ▲	24 Nov 17
MB high-grade, weighted average of all confirmed international trades, \$/lb	30.88*	1.01% ▲	24 Nov 17
MB low-grade, weighted average of all confirmed international trades, \$/lb	30.80*	1.65% ▲	24 Nov 17
MB China domestic, min 99.8% RMB/tonne	486,000–490,000*3.83%	▲	24 Nov 17
Cobalt tetroxide min 72.6% Co delivered China RMB/tonne	370,000–375,000* 0%		24 Nov 17

	Price	Change	Assessed
Gallium			
MB free market \$/kg	140–170*	0%	24 Nov 17
MB China domestic, min 99.99%, RMB/kg	930–980*	5.52% ▲	22 Nov 17
Germanium			
Germanium dioxide MB free market \$/kg	720–800*	0%	24 Nov 17
Germanium metal \$/kg Rotterdam	1,100–1,250*	0%	24 Nov 17
Germanium metal MB China domestic, min 99.999%, RMB/kg	8,200–8,800*	1.19% ▲	22 Nov 17
Hafnium			
Hafnium 1% Zr max, in-warehouse global locations, \$/kg	900–1,000*	0%	24 Nov 17
Indium			
MB free market \$/kg	270–290*	0%	24 Nov 17
MB China domestic, min 99.99% RMB/kg	1,570–1,650*	–1.53% ▼	22 Nov 17
Indium Corp ingots min 99.97% \$/kg fob	440	–40.94% ▼	26 Jun 15
Magnesium			
European free market \$ per tonne	2,200–2,300*	0%	24 Nov 17
China free market min 99.8% Mg, fob China main ports, \$ per tonne	2,200–2,230*	–0.23% ▼	24 Nov 17
MB Chinese free market min 99% Mg, ex-works RMB/tonne	14,000–14,200*	–0.35% ▼	24 Nov 17
Manganese flake			
MB free market \$/tonne	1,740–1,840*	0%	24 Nov 17
Mercury			
MB free market \$ per flask	1,350–1,450*	0%	24 Nov 17
Rhenium in-warehouse Rotterdam duty paid			
Metal pellets, min 99.9% \$/lb	635–735*	0%	24 Nov 17
APR catalytic grade \$/kg Re	1,450–1,600*	0%	24 Nov 17
Selenium			
MB free market \$/lb	17.5–18.65*	0.56% ▲	24 Nov 17
MB China domestic, min 99.9%, RMB/kg	270–290*	0%	24 Nov 17
Selenium dioxide, MB China domestic, min 98%, RMB/kg	173–180*	0%	24 Nov 17
Silicon			
Grade 441, min 99% Si in-warehouse Rotterdam, €/tonne	2,215–2,325*	0%	24 Nov 17
Grade 553, min 98.5% Si in-warehouse Rotterdam, €/tonne	2,150–2,200*	0%	24 Nov 17
US free market cents/lb	135–138*	7.06% ▲	10 Nov 17
Export from mainland China min 98.5%, \$/tonne fob	1,720–1,850*	–3.51% ▼	24 Nov 17
Tellurium			
MB free market \$/kg	40–50*	0%	24 Nov 17
MB China domestic, min 99.99%, RMB/kg	460–500*	6.67% ▲	24 Nov 17
Titanium			
MB free market ferro-titanium 70% (max 4.5% Al) \$/kg Ti d/d Europe	5.40–5.85*	0.9% ▲	22 Nov 17
Titanium ores \$/tonne			
Rutile conc min 95% TiO2 bagged, fob/Aus	770–850	0%	23 Nov 17
Rutile bulk conc min 95% TiO2 fob/Aus	710–770	0%	23 Nov 17
Ilmenite bulk conc min 54% TiO2 fob/Aus	160–185	0%	23 Nov 17

† week-on-week change

continued >>

NOBLE ALLOYS & ORES				
	Price	Change [†]	Assessed	
Molybdenum molybdc oxide				
Europe drummed molybdc oxide \$/lb Mo	8.55–8.70*	1.77%	▲	24 Nov 17
US canned molybdc oxide \$/lb Mo	8.5–8.60*	0.59%	▲	16 Nov 17
Ferro-molybdenum				
Basis 65% min, in-warehouse Rotterdam \$/kg Mo	21.10–21.45*	1.55%	▲	24 Nov 17
US free market 65–70% Mo \$/lb in-warehouse Pittsburgh	9.60–9.90*	0.52%	▲	16 Nov 17
MB Chinese free market concentrate 45% Mo in-warehouse China RMB/mtu	1,350–1,370*	0%		22 Nov 17
Tungsten				
European free market APT \$/mtu	285–295*	4.32%	▲	24 Nov 17
Export from mainland China APT Chinese No1 grade, min 88.5% WO3, \$/mtu fob	294–296*	1.72%	▲	22 Nov 17
MB Chinese free market concentrate 65% Wo3 in-warehouse China RMB/tonne	107,000–110,000*	2.36%	▲	22 Nov 17
Ferro-tungsten				
Basis 75% W min \$/kg W in-warehouse Rotterdam duty unpaid	35.90–37*	1.67%	▲	24 Nov 17
China export min 75% \$/kg W, fob China	36–36.5*	0%		22 Nov 17
Vanadium				
Ferro-vanadium basis 78% min, free delivery duty paid consumer plant, 1st grade, Western Europe \$/kg V	40.70–42*	1.47%	▲	24 Nov 17
US free market ferro-vanadium \$/lb in-warehouse Pittsburgh	19.25–20*	8.13%	▲	16 Nov 17
Vanadium pentoxide min 98%, in-warehouse Rotterdam \$ per lb V2O5	7.80–8.20*	4.58%	▲	24 Nov 17
Zircon				
Foundry grade bulk \$/tonne fob Australia	950–1,000	0%		23 Nov 17
Premium bulk \$/tonne fob Australia	1,170–1,270	19.02%	▲	23 Nov 17
BULK ALLOYS				
	Price	Change [†]	Assessed	
Ferro-chrome \$/lb Cr				
China import charge chrome 50% Cr index, cif Shanghai, duty unpaid	0.94*	–5.05%	▼	24 Nov 17
Ferro-Chrome European Benchmark Indicator, Lumpy Cr charge basis 52% (and high carbon), \$ per lb	1.24*	–3.88%	▼	24 Nov 17
Spot 6–8% C basis 50% Cr delivered duty paid China RMB/tonne	7,300–7,400*	–1.34%	▼	24 Nov 17
Contract 6–8% C basis 50% Cr delivered duty paid China RMB/tonne	7,700–7,900*	0%		24 Nov 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	1.25–1.35*	0%		24 Nov 17
0.10% C Coverage 60–70% Cr	2.20–2.33*	0.67%	▲	17 Nov 17
European low carbon in-warehouse 0.06% C max – 65% Cr	2.30–2.40*	0%		17 Nov 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%		17 Nov 17
Japan import 8–9% C, basis 60% Cr, cif Japan, duty unpaid \$/lb contained chrome	0.90–0.95*	0%		23 Nov 17
South Korea import 8–9% C, basis 60% Cr, cif South Korea, duty unpaid \$/lb contained chrome	0.89–0.93*	–0.55%	▼	23 Nov 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%		16 Nov 17
0.05% C – 65% min Cr	2.25–2.30*	2.25%	▲	16 Nov 17
0.10% C – 62% min Cr	2.10–2.15*	0%		16 Nov 17
0.15% C – 60% min Cr	2.03–2.07*	–0.24%	▼	16 Nov 17

	Price	Change	Assessed
Chrome ore \$/tonne			
<i>Chrome ore cif main Chinese ports</i>			
South African UG2 chrome ore concs, index basis 42%	163*	-4.12%	▼ 24 Nov 17
Turkish lumpy 40-42% cfr main Chinese ports	335-345*	0%	24 Nov 17
Ferro-manganese			
basis 78% Mn (scale pro rata) standard 7.5% C €/tonne	1,090-1,180*	0%	24 Nov 17
US free market 78% Mn standard 7.5% C \$/long ton in-warehouse Pittsburgh	1,500-1,550*	-1.93%	▼ 16 Nov 17
US free market medium carbon duty paid fob Pittsburgh, 80% min Mn 1.5% max C \$/lb	1.08-1.10*	0%	16 Nov 17
MB Chinese free market min 65% Mn max 7.0% C in-warehouse China RMB/tonne	6,200-6,250*	-1.97%	▼ 24 Nov 17
Manganese ore			
44% Mn, cif Tianjin \$/dmtu of metal contained	6.16*	1.32%	▲ 24 Nov 17
37% Mn, fob Port Elizabeth \$/dmtu of metal contained	4.53*	-0.88%	▼ 24 Nov 17
Inventories at the main ports of Tianjin and Qinzhou, million tonnes	2.20-2.30*	-2.17%	▼ 15 Nov 17
Ferro-nickel			
China premium, 26-32% nickel contained, cif China, \$/tonne	200-250*	40.62%	▲ 30 Oct 17
Ferro-silicon			
Lumpy basis 75% Si (scale pro rata) €/tonne	1,300-1,350*	0%	24 Nov 17
US free market \$/lb in-warehouse Pittsburgh lumpy basis 75% Si - imported	0.93-0.95*	0%	16 Nov 17
Export from mainland China, min 75% Si, 7.5% C, \$/tonne, fob	1,450-1,500*	5.36%	▲ 24 Nov 17
MB Chinese free market min 75% Si, in-warehouse China, RMB/tonne	7,200-7,600*	1.37%	▲ 24 Nov 17
Silico-manganese			
Lumpy basis 65-75% Mn basis 15-19% Si (scale pro rata) €/tonne	990-1,050*	0%	24 Nov 17
US free market \$/lb in-warehouse Pittsburgh	0.60-0.62*	-1.61%	▼ 16 Nov 17
MB Chinese free market min 65% Mn max 17% Si in-warehouse China RMB/tonne	6,400-6,600*	2.36%	▲ 24 Nov 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	500–530*	0.49% ▲	22 Nov 17
Wire rod (mesh quality)	515–520*	0%	22 Nov 17
Plate (8–40mm)	530–540*	0%	22 Nov 17
Hot rolled coil	500–510*	–0.98% ▼	22 Nov 17
Cold rolled coil	560–580*	–1.72% ▼	22 Nov 17
Hot-dip galvanized coil	640–660*	–0.76% ▼	22 Nov 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%	22 Nov 17
Wire rod (mesh quality)	475–490*	0%	22 Nov 17
Plate (8–40mm)	520–530*	0%	22 Nov 17
Hot rolled coil	490–510*	–0.99% ▼	22 Nov 17
Cold rolled coil	560–580*	–1.72% ▼	22 Nov 17
Hot-dip galvanized coil	630–660*	–0.77% ▼	22 Nov 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	480–495*	0%	22 Nov 17
Wire rod (mesh quality)	485–500*	–0.51% ▼	22 Nov 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	530–570*	–0.9% ▼	22 Nov 17
Wire rod (mesh quality)	520–540*	0%	22 Nov 17
Sections (medium)	640–660*	–0.76% ▼	22 Nov 17
Beams	595–620*	1.67% ▲	22 Nov 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	510–520*	–0.48% ▼	22 Nov 17
Wire rod (mesh quality)	500–520*	0%	22 Nov 17
Sections (medium)	610–635*	0.4% ▲	22 Nov 17
Beams	585–615*	0.42% ▲	22 Nov 17
Central Europe domestic € per tonne ex-works			
Hot rolled coil	510–520*	0%	22 Nov 17
Poland domestic zloty per tonne ex-works			
Rebar	2,250–2,300*	–0.11% ▼	24 Nov 17
Northern Europe € per tonne ex-works			
Plate (8–40mm)	560–575*	0.44% ▲	22 Nov 17
Hot rolled coil	530–540*	0%	22 Nov 17
Cold rolled coil	610–630*	1.22% ▲	22 Nov 17
Hot-dip galvanized coil	660–680*	0%	22 Nov 17
Southern Europe € per tonne ex-works			
Plate (8–40mm)	500–520*	0%	22 Nov 17
Hot rolled coil	500–520*	0.99% ▲	22 Nov 17
Cold rolled coil	570–600*	0%	22 Nov 17
Hot-dip galvanized coil	590–630*	0%	22 Nov 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	510–520*	0%	22 Nov 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	462*	1.32% ▲	20 Nov 17
Slab	460–470*	0%	20 Nov 17
Rebar	505–515*	0%	20 Nov 17
Wire rod (mesh)	520–525*	0%	20 Nov 17
Heavy plate (10–50mm)	560–600*	0.43% ▲	20 Nov 17
Hot rolled coil	515–545*	0%	20 Nov 17
Cold rolled coil	580–595*	0.43% ▲	20 Nov 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	30,100–32,000*	0%	20 Nov 17
Hot rolled sheet	39,200–41,200*	–3.71% ▼	20 Nov 17
Cold rolled sheet	44,100–46,300*	–0.99% ▼	20 Nov 17
Plate	40,000–41,000*	0%	20 Nov 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	500–510*	2.54% ▲	23 Nov 17
Rebar	520–530*	1.94% ▲	23 Nov 17
Wire rod (mesh quality)	550–560*	1.83% ▲	23 Nov 17
Merchant bars	560–570*	0%	23 Nov 17
Structural pipe	615–630*	–2.73% ▼	08 Nov 17
Hot rolled coil	540–550*	0%	24 Nov 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	490–500*	2.59% ▲	23 Nov 17
Rebar	535–545*	1.41% ▲	23 Nov 17
Wire rod (mesh quality)	570–580*	2.22% ▲	23 Nov 17
Hot rolled coil	550–560*	0%	24 Nov 17
Cold rolled coil	650–650*	1.17% ▲	24 Nov 17
Hot dip galvanized	715–740*	1.04% ▲	24 Nov 17
Prepainted galvanized	820–840*	1.53% ▲	24 Nov 17
Turkish imports			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr main Turkish port</i>			
Billet	470–480*	1.6% ▲	23 Nov 17
Hot rolled coil	530–540*	0%	24 Nov 17
Cold rolled coil	595–610*	0%	24 Nov 17
UAE imports			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr Jebel Ali</i>			
Billet	465–480*	–2.58% ▼	21 Nov 17
Rebar	510–520*	0%	21 Nov 17
Hot rolled coil	550–570*	–2.61% ▼	21 Nov 17
Cold rolled coil	615–620*	0%	21 Nov 17
Hot dip galvanized coil	740–750*	0%	21 Nov 17
Saudi Arabia imports			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr</i>			
Rebar	510–520*	0%	21 Nov 17
Hot rolled coil	550–580*	–1.74% ▼	21 Nov 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*	-3.75% ▼	21 Nov 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	605–620*	0%	22 Nov 17
Hot rolled coil	560–575*	0%	22 Nov 17
Hot dip galvanized coil	640–685*	-0.75% ▼	22 Nov 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*	0.04% ▲	23 Nov 17
Egyptian import			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr main port</i>			
Billet	470–475*	0.53% ▲	23 Nov 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%	24 Nov 17
Slab, Brazil	440–460*	0%	24 Nov 17
Rebar	560–565*	0%	24 Nov 17
Wire rod mesh quality	560–565*	0%	24 Nov 17
Heavy plate over 10mm	545–560*	0%	24 Nov 17
Hot rolled coil (dry)	560–580*	2.24% ▲	24 Nov 17
Cold rolled coil	620–635*	0%	24 Nov 17
Galvanized coil	800–810*	0%	24 Nov 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*	5.22% ▲	24 Nov 17
Hot rolled coil	590–610*	3%	24 Nov 17
Cold rolled coil	640–650*	4.45% ▲	24 Nov 17
Galvanized coil	700–710*	3.3%	24 Nov 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	685–700*	0%	10 Nov 17
Cold rolled coil	825–835*	0%	10 Nov 17
Galvanized coil	1,050–1,140*	0%	10 Nov 17
Rebar	840–850*	0%	10 Nov 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%	10 Nov 17
Cold rolled coil	3,700–3,810*	0%	10 Nov 17
Hot dip galvanized coil	3,870–4,030*	0%	10 Nov 17
<i>Metal Bulletin's appraisal of prices within Brazil for commercial-quality carbon steel, Reais per tonne delivered</i>			
Rebar	3,250–3,410*	0%	10 Nov 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	526–531*	0%	15 Nov 17
Merchant bars	600–640*	1.64% ▲	27 Oct 17
Wire rod (low carbon)	549–581*	-1.14% ▼	22 Nov 17
Medium sections	600–635*	-5%	26 Oct 17
Medium plate	560–615*	-2.08% ▼	15 Nov 17
Hot rolled coil (commodity)	600–640*	2.06% ▲	15 Nov 17
Cold rolled coil	700–760*	0%	15 Nov 17
Hot dipped galvanized 0.012–0.015, G30	960–1,000*	0%	15 Nov 17
ERW linepipe (X42)	820–860*	-4%	31 Oct 17
OCTG API5CT – casing J55	825–860*	-2.32% ▼	31 Oct 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*	-1.35% ▼	15 Nov 17
Wire rod (mesh quality fob mill)	580–580*	0%	23 Nov 17
Plate (fob mill)	655–655*	5.65% ▲	17 Nov 17
Hot rolled sheet index (fob mill)	621–621*	2.31% ▲	16 Nov 17
Cold rolled sheet (fob mill)	780–780*	-1.27% ▼	16 Nov 17
Hot-dip galvanized (base) Midwest (fob mill)	780–780*	-1.27% ▼	16 Nov 17
OCTG API5CT – casing J55 (fob mill)	1,000–1,050*	-4.65% ▼	31 Oct 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 Oct 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	535–535*	0.63% ▲	24 Nov 17
Wire rod (mesh quality)	560–565*	1.35% ▲	21 Nov 17
Heavy plate	525–535*	0%	21 Nov 17
Hot rolled coil index	551–551*	1.21% ▲	24 Nov 17
Cold rolled coil	593–598*	1.36% ▲	21 Nov 17
Galvanized coil 1mm	648–655*	0.62% ▲	21 Nov 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	4,250–4,300*	4.27% ▲	24 Nov 17
Wire rod (mesh)	4,250–4,300*	1.42% ▲	24 Nov 17
Sections	4,000–4,030*	1.77% ▲	24 Nov 17
Plate	4,080–4,120*	0.86% ▲	24 Nov 17
Hot rolled coil (min 2mm)	4,100–4,130*	1.23% ▲	24 Nov 17
Cold rolled coil (0.5 – 2 mm)	4,760–4,800*	1.16% ▲	24 Nov 17
Hot-dip galvanized coil	4,850–4,920*	0.31% ▲	24 Nov 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	3,850–3,850*	0.52% ▲	24 Nov 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	4,050–4,120*	1.11% ▲	24 Nov 17
Rebar	3,980–4,070*	1.64% ▲	24 Nov 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	4,380–4,440*	1.5%	▲ 24 Nov 17
Wire rod (mesh)	4,360–4,400*	1.86%	▲ 24 Nov 17
Sections	4,300–4,350*	0.23%	▲ 24 Nov 17
Plate	4,300–4,350*	0.7%	▲ 24 Nov 17
Hot rolled coil (min 2mm)	4,160–4,200*	0.24%	▲ 24 Nov 17
Cold rolled coil (0.5–2 mm)	4,860–4,900*	0.62%	▲ 24 Nov 17
Hot-dip galvanized coil	4,870–4,980*	0%	24 Nov 17
Southeast Asia imports			
<i>Metal Bulletin's appraisal of prices in Southeast Asia for commercial-quality carbon steel \$ per tonne cfr</i>			
Billet	480–490*	–2.51%	▼ 20 Nov 17
Slab (Asia/East Asia)	480–490*	–1.02%	▼ 20 Nov 17
Hot rolled coil (Vietnam)	552–565*	0.63%	▲ 20 Nov 17
Rebar (Singapore)	510–530*	0%	20 Nov 17
Wire rod (low carbon)	555–560*	0%	20 Nov 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	450–455*	–3.21%	▼ 24 Nov 17
Plate (12–40mm)	520–525*	–1.88%	▼ 24 Nov 17
Hot rolled coil (commodity)	545–555*	0.46%	▲ 24 Nov 17
Hot-dip galvanized coil	745–755*	–1.96%	▼ 24 Nov 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%	24 Nov 17
Hot rolled coil (commodity)	570–575*	0%	24 Nov 17
Hot rolled coil (CR grade)	560–565*	0%	24 Nov 17
Cold rolled	570–575*	0%	24 Nov 17
Indian domestic			
<i>Metal Bulletin's appraisal of prices within India for commercial-quality carbon steel, rupees per tonne ex-works</i>			
Billet	27,000–27,400*	–0.73%	▼ 24 Nov 17
Heavy plate	37,500–38,000*	0%	24 Nov 17
Hot rolled coil	39,000–39,500*	0%	24 Nov 17
Cold rolled coil	44,000–44,500*	0%	24 Nov 17
DRI	18,200–18,500*	1.1%	▲ 24 Nov 17
Hot-dip galvanized coil	49,000–49,500*	0%	24 Nov 17
Rebar	29,700–30,000*	–0.67%	▼ 24 Nov 17

STEELBENCHMARKER™ PRICES

	Price	Change [†]	Assessed
Region: USA east of the Mississippi			
Standard plate (\$/metric tonne)	755	0.13%	▲ 13 Nov 17
Standard plate (\$/short ton)	685	0.15%	▲ 13 Nov 17
Hot rolled coil (\$/metric tonne)	671	1.51%	▲ 13 Nov 17
Hot rolled coil (\$/short ton)	609	1.5%	▲ 13 Nov 17
Cold rolled coil (\$/metric tonne)	853	1.19%	▲ 13 Nov 17
Cold rolled coil (\$/short ton)	774	1.18%	▲ 13 Nov 17
Region: Mainland China			
Rebar	516	1.78%	▲ 13 Nov 17
Standard plate	525	–1.13%	▼ 13 Nov 17
Hot rolled coil	528	–0.94%	▼ 13 Nov 17
Cold rolled coil	603	–0.17%	▼ 13 Nov 17
Region: World export market			
Hot rolled coil (\$/metric tonne)	561	–1.58%	▼ 13 Nov 17

STAINLESS STEEL			
	Price	Change [†]	Assessed
Asia import			
\$/tonne cif East Asian port			
Grade 304 2mm CR coil 2B	2,080–2,130*	0.96%	▲ 22 Nov 17
Grade 304 HR sheet	1,960–2,000*	–0.25%	▼ 22 Nov 17
China domestic			
yuan/tonne, in-warehouse			
Grade 304 2mm CR coil	14,500–15,100*	–0.67%	▼ 23 Nov 17
Grade 430 2mm CR coil	10,000–10,100*	–0.99%	▼ 23 Nov 17
EU export			
€/tonne fob N. European port			
Min 100 tonne lot			
Grade 304 2mm CR sheet	2,237–2,376*	0%	24 Nov 17
EU domestic			
2mm 304 cold rolled stainless sheet, €/tonne			
N. Europe Base price	1,060–1,110*	0%	24 Nov 17
Alloy surcharge	1,177–1,266*	0%	24 Nov 17
2mm 316 cold rolled stainless sheet, €/tonne			
Base price	1,400–1,430*	0%	24 Nov 17
Alloy surcharge	1,669–1,791*	0%	24 Nov 17
304 stainless steel bright bar, €/tonne			
Base price	1,000–1,040*	0%	24 Nov 17
Alloy surcharge	1,440–1,496*	0%	24 Nov 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*	–2.79%	▼ 10 Nov 17
Grade 316L cold rolled sheet	157–157*	–3.1%	▼ 10 Nov 17
Raw materials index			
EU domestic stainless steel \$ per tonne			
304 Europe raw materials index	1,339.67*	–4.35%	▼ 20 Nov 17

CHINA IRON ORE

cfr main China port \$ per dry metric tonne

	Price	Change [†]	Assessed
Iron ore index (62% Fe)	67.94*	8.51%	▲ 24 Nov 17
Iron ore pellet index cfr Qingdao (65% Fe)	122.70*	–0.95%	▼ 24 Nov 17
Iron ore concentrate index cfr Qingdao (66% Fe)	87.97*	7.61%	▲ 24 Nov 17
Metal Bulletin Indicator for US\$/% Fe in iron ore fines cfr Qingdao	1.05*	–10.26%	▼ 01 Nov 17

IRAN IRON ORE

cfr China US \$ per tonne

	Price	Change [†]	Assessed
Iron ore fines index (60% Fe)	53.30–53.30*	0%	22 Nov 17

COKING COAL

\$ per metric tonne

	Price	Change [†]	Assessed
Premium hard coking coal cfr China	198.92–198.92*	2.8%	▲ 24 Nov 17
Hard coking coal cfr China	168.99–168.99*	1.57%	▲ 24 Nov 17
Premium hard coking coal fob Australia	198.25–198.25*	5.14%	▲ 24 Nov 17
Hard coking coal fob Australia	160.21–160.21*	4.19%	▲ 24 Nov 17
China hard coking coal Shanxi spot market domestic delivered yuan/tonne	1,250–1,650*	–1.69%	▼ 24 Nov 17
65% CSR coke \$/tonne fob Tianjin	285–300*	–3.31%	▼ 21 Nov 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	80–105*	5.71%	▲ 24 Nov 17
UK ferrous scrap export			
<i>MB assessment \$/tonne cfr main UK port</i>			
HMS 1&2 (80:20 mix)	291–293*	0.69%	▲ 24 Nov 17
Shredded	296–298*	0.68%	▲ 24 Nov 17
Indian imports			
<i>MB assessment \$/tonne cfr Nhava Sheva</i>			
MB index cfr India shredded	333.46*	0.98%	▲ 24 Nov 17
HMS 1&2 (80:20 mix)	285–310*	1.71%	▲ 24 Nov 17
Alloy steel scrap domestic			
<i>UK wholesale merchants' stainless (£/tonne)</i>			
18/8 solids	900–930*	0%	24 Nov 17
18/8 turnings	765–790*	0%	24 Nov 17
12–13% Cr solids	190–230*	0%	24 Nov 17
16–17% Cr solids	220–260*	0%	24 Nov 17
Cif Europe stainless € per tonne			
18/8 solids	1,050–1,070*	0.95%	▲ 24 Nov 17
18/8 turnings	945–965*	1.06%	▲ 24 Nov 17
Rotterdam export			
<i>MB assessment \$/tonne fob Rotterdam</i>			
MB index fob Rotterdam HMS 1&2 (80:20)	288.88*	2.18%	▲ 24 Nov 17
HMS 1&2 (70:30 mix)	279–281*	0%	24 Nov 17
Shredded	289–291*	0%	24 Nov 17
Turkish import			
<i>MB assessment \$/tonne cfr main Turkish ports</i>			
MB index cfr Turkey HMS 1&2 (80:20) (North Europe material)	309.07*	0.99%	▲ 24 Nov 17
MB index cfr Turkey HMS 1&2 (80:20) (United States material)	316.97*	0.66%	▲ 24 Nov 17
HMS 1&2 (75:25 mix)	298–300*	0%	24 Nov 17
Shredded	318–320*	1.27%	▲ 24 Nov 17

	Price	Change	Assessed
Turkish domestic			
<i>MB assessment delivered</i>			
Melting scrap from shipbreaking (\$/tonne)	310–310*	1.64%	▲ 20 Nov 17
Auto bundle scrap (Turkish lira/tonne)	1,105–1,245*	0.43%	▲ 20 Nov 17
USA export			
<i>AMM ferrous scrap export index \$/tonne East Coast fob New York</i>			
HMS 1&2 (80:20)	290.67*	2.66%	▲ 22 Nov 17
Shredded	295.67*	2.61%	▲ 22 Nov 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	2,040–2,260*	7.5%	▲ 24 Nov 17
Taiwan import			
<i>\$/tonne cfr main port</i>			
HMS 1&2 (80:20 mix) (USA material)	304–310*	1.49%	▲ 24 Nov 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	355–360*	–1.38%	▼ 23 Nov 17
Latin American exports \$/tonne, delivery terms as stated			
Hot briquetted iron Venezuela	250–260*	0%	24 Nov 17
Pig iron fob Vitoria/Rio	330–340*	0%	24 Nov 17
Pig iron fob Ponta da Maderia	365–370*	0%	24 Nov 17
US imports \$/tonne cfr Gulf of Mexico			
Pig iron	375–390*	0%	24 Nov 17
CIS exports \$/tonne fob main port			
Pig iron Baltic Sea	360–390*	0%	23 Nov 17
Pig iron Black Sea	335–340*	–2.17%	▼ 23 Nov 17
China domestic yuan/tonne delivered warehouse			
Pig iron	2,780–2,820*	0%	24 Nov 17

† week-on-week change

continued >>

NON-FERROUS SCRAP EUROPE

	Price	Change†	Assessed
Aluminium			
European free market MB assessment €/tonne			
Floated frag	1,260–1,320*	0%	17 Nov 17
Cast	1,170–1,260*	0%	17 Nov 17
Mixed turnings 6%	1,105–1,165*	0%	17 Nov 17
Germany per 1000kg			
Pure cuttings	1,350–1,430	0%	22 Nov 17
Commercial cast	1,250–1,370	0.77% ▲	22 Nov 17
H9 extrusions	1,710–1,810	0%	22 Nov 17
Alloy turnings	1,010–1,130	0%	22 Nov 17
Source: VDM			
France per 1000kg			
Pure cuttings	1,600–1,620	-1.53% ▼	21 Nov 17
Old rolled	750–800	0%	21 Nov 17
Commercial cast	900–1,000	0%	21 Nov 17
Source: Lettre d'Information Metaux			
Italy per 1000kg			
Pure cuttings	1,130–1,230	-1.67% ▼	17 Nov 17
Old mixed scrap	1,140–1,190	-0.85% ▼	17 Nov 17
Commercial cast	1,040–1,090	-0.93% ▼	17 Nov 17
Source: Assomet			
Copper			
Germany per 1000kg			
Copper wire (berry)	5,550–5,730	2.27% ▲	22 Nov 17
Heavy copper	5,000–5,190	3.66% ▲	22 Nov 17
Heavy brass	3,580–3,690	3.71% ▲	22 Nov 17
Brass turnings (MS 58)	4,030–4,080	2.14% ▲	22 Nov 17
Brass sheet (MS 63)	4,190–4,340	1.79% ▲	22 Nov 17
Source: Verein Deutscher Metallhandler			
France per 1000kg			
Electro cuttings	5,150–5,200	-0.96% ▼	21 Nov 17
No 1 bright wire	4,700–4,730	-0.21% ▼	21 Nov 17
Mixed (96%)	4,600–4,640	-1.18% ▼	21 Nov 17
Brass plate cuttings 70/30	3,900–3,930	-0.25% ▼	21 Nov 17
Brass turnings	3,300–3,325	-0.38% ▼	21 Nov 17
Mixed brass	3,100–3,180	-1.1% ▼	21 Nov 17
Source: Lettre d'Information Metaux			
Italy per 1000kg			
Electrolytic dd EN 12861-S-Cu-2	5,470–5,630	-0.36% ▼	17 Nov 17
Enamelled wire EN 12861-S-Cu-3	5,305–5,467	-0.37% ▼	17 Nov 17
New from tubes, strips etc EN 12861-S-Cu-4	5,360–5,588	-0.36% ▼	17 Nov 17
Old from tubes, strips etc 12861-S-Cu-7	5,145–5,315	-0.38% ▼	17 Nov 17
EN12861-S-Cu-Zn-1-A-Cu 63.5%	4,410–4,495	-0.45% ▼	17 Nov 17
Mixed from valves/taps EN 12861-S-Cu-Zn-6	3,605–3,935	-0.53% ▼	17 Nov 17
Several 95% m/m 12861-S-Cu-Zn-7	3,667–3,745	-0.54% ▼	17 Nov 17
Source: Assomet			

STEELBENCHMARKER™ SCRAP PRICES

	Price	Change†	Assessed
Region: USA, east of the Mississippi			
Shredded scrap (\$/metric tonne)**	271	0%	13 Nov 17
Shredded scrap (\$/gross ton)**	275	0%	13 Nov 17
No 1 heavy melting scrap (\$/metric tonne)	251	0%	13 Nov 17
No 1 heavy melting scrap (\$/gross ton)	255	0%	13 Nov 17
No 1 busheling scrap (\$/metric tonne)	339	0%	13 Nov 17
No 1 busheling scrap (\$/gross ton)	345	0%	13 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	1,425–1,475*	0%	22 Nov 17
Commercial pure cuttings	1,200–1,250*	0%	22 Nov 17
Clean HE9 extrusions	1,420–1,470*	0%	22 Nov 17
Loose old rolled cuttings	890–930*	0%	22 Nov 17
Baled old rolled	960–990*	0%	22 Nov 17
Commercial cast	1,045–1,095*	-0.47% ▼	22 Nov 17
Cast wheels	1,285–1,325*	-0.38% ▼	22 Nov 17
Commercial turnings	710–750*	0%	22 Nov 17
Group 7 turnings	610–660*	0%	22 Nov 17

MB and LME aluminium scrap discounts

<i>£ per tonne</i>			
Group 1 pure 99% & Litho	98–148*	-11.51% ▼	22 Nov 17
Commercial pure cuttings	323–373*	-4.4% ▼	22 Nov 17
Clean HE9 extrusions	103–153*	-11.11% ▼	22 Nov 17
Loose old rolled cuttings	467–507*	-2.6% ▼	22 Nov 17
Baled old rolled	407–437*	-2.99% ▼	22 Nov 17
Commercial cast	302–352*	-2.39% ▼	22 Nov 17
Cast wheels	72–112*	-8% ▼	22 Nov 17
Commercial turnings	647–687*	-1.91% ▼	22 Nov 17
Group 7 turnings	737–787*	-1.68% ▼	22 Nov 17

Titanium

<i>\$/lb cif</i>			
Turnings, unprocessed type 90/6/4 (0.5% Sn max)	1.03–1.13*	2.86% ▲	22 Nov 17
Turnings, unprocessed 90/6/4 (over 0.5% max 2% Sn)	0.98–1.08*	1.48% ▲	22 Nov 17

Copper scrap discount

<i>cents/lb</i>			
No 2 copper (birch/cliff) imported into China 94–96% cif China	33–35*	11.48% ▲	30 Oct 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%	22 Nov 17
LM6/LM25 gravity diecasting ingot	1,805–1,855*	–0.14% ▼	22 Nov 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	1,715–1,770*	0.29% ▲	17 Nov 17
Aluminum US \$/lb delivered Midwest			
A380.1 alloy	0.96–0.98*	0%	20 Nov 17
AFFIMET €/tonne			
AS12	3,789	1.09% ▲	01 Nov 17
AS12 UN	2,880	0%	01 Nov 17
AS9 U3	2,255	0%	01 Nov 17
AS5 U3	2,605	0%	01 Nov 17
Reflects generally larger traded lots			
VDM €/1000 kg delivered			
DIN 226	2,370–2,470	0%	22 Nov 17
DIN 231	2,450–2,550	0%	22 Nov 17
DIN 311	2,430–2,530	0%	22 Nov 17
Aluminium bronze £/tonne UK			
AB1 ex-works	5,100	0%	21 Nov 17
AB2 ex-works	5,150	0%	21 Nov 17
Source: C. F. Booth Ltd			
Brass UK £/tonne			
SCB3 ex-works	4,140	0%	21 Nov 17
High tensile HTB1 ex-works	4,430	0%	21 Nov 17
Source: C. F. Booth Ltd			
Gunmetal UK £/tonne			
LG2 85/5/5/5 ex-works	4,840	0%	21 Nov 17
LG4 87/7/3/3 ex-works	5,480	0%	21 Nov 17
G11.15 PB ex-works	6,390	0%	21 Nov 17
Source: C. F. Booth Ltd			
Phosphor bronze UK £/tonne			
PB1 ex-works	6,860	0%	21 Nov 17
Source: C. F. Booth Ltd			
Phosphor copper £/tonne			
10% P ex-works	6,450	0%	21 Nov 17
15% P ex-works	6,500	0%	21 Nov 17
Source: C. F. Booth Ltd			
Zinc alloys UK £/tonne			
Brock Metal Co contract alloy price (delivered UK)			
Brock Metal ZL3	3,067	–0.45% ▼	01 Nov 17
Brock Metal ZL5	3,096	–0.35% ▼	01 Nov 17

Metal Bulletin

Metal Bulletin Price Book



Cutting-edge graphing technology enables you to:

- Track over 950 metals prices with ease
- Quickly analyse and compare prices
- Create sophisticated charts for presentations and reports

Start using your **Price Book** today
www.metalbulletin.com

Monthly averages: October

BASE METALS

	Low	High
Aluminium		
Aluminium P1020A, in-warehouse Rotterdam premium, duty unpaid, spot \$/tonne	85.18	95.00
Aluminium P1020A, in-warehouse Rotterdam duty paid, spot \$/tonne	150.89	159.33
Alumina		
Index fob Australia	468.88	
Copper		
US High-grade cathode premium indicator, \$/tonne	110.23	121.25
Nickel		
Free market in warehouse premium		
Europe \$/tonne Uncut cathodes	170.00	202.00
4x4 cathodes	284.00	336.00
Briquettes	232.00	260.00
US Melting \$/lb	0.22	0.27
Tin		
European free market		
Spot Premium 99.9%, \$/tonne	333.00	374.00
Spot premium 99.85%, \$/tonne	300.00	325.00
Kuala Lumpur (ex-smelter), \$/tonne	20,438.57	

MINOR METALS

Antimony		
MB free market Regulus 99.65%, max Se 50ppm, in warehouse, \$/tonne	8,075.00	8,243.75
MMTA Standard grade II, \$/tonne	7,937.50	8,143.75
Bismuth		
MB free market min. 99.99%, tonne lots, in warehouse, \$/lb	5.10	5.30
Cadmium		
MB free market min 99.95%, in warehouse, cents/lb	88.00	96.38
min 99.99%, in warehouse cents/lb	93.00	103.38
Cobalt		
MB free market High Grade, in warehouse, \$/lb	29.79	30.90
Low Grade, in warehouse, \$/lb	29.32	30.28
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	205.63	224.38
Magnesium		
MB free market min 99.8%, \$/tonne	2,202.50	2,310.00
China free market min 99.8%, \$/tonne	2,167.50	2,255.00
Mercury		
MB free market min 99.99%, in warehouse, \$/flask	1,350.00	1,450.00
Selenium		
MB free market min 99.5% in warehouse, \$/lb	16.19	18.65

	Low	High
Silicon		
Grade 441, min 99% Si in-warehouse Rotterdam, €/tonne	2,208.75	2,318.75
Titanium		
Ferro-Titanium, 70% (max 4.5% Al), d/d Europe, \$/kg	5.28	5.90

ORES & ALLOYS

	<i>Low</i>	<i>High</i>
Molybdenum		
Free market in warehouse Europe drummed molybdic oxide \$/lb Mo	8.41	8.54
US canned molybdic oxide \$/lb Mo	8.43	8.59
Ferro-molybdenum		
basis 65% min, in-warehouse Rotterdam, \$/kg Mo	20.67	21.04
Tungsten		
European free market APT, \$/mtu	278.75	287.50
Ferro-tungsten		
basis 75% W min, \$/kg	36.05	36.76
Vanadium		
min 98%, in-warehouse Rotterdam, V205, \$/lb	7.20	7.60
Ferro-vanadium		
basis 78% min, free delivery duty paid consumer plant, 1st grade Western Europe, \$/kg V	35.36	36.33
US Free market 70-80%, \$/lb	17.13	18.25

PRECIOUS METALS

Gold		
London \$/troy oz	Morning	1,280.68
	Afternoon	1,279.51
London £/troy oz	Morning	970.33
	Afternoon	970.00
\$/troy oz	Handy/Harman	1,279.51
Palladium		
Morning \$/troy oz	956.50	
Afternoon \$/troy oz	959.36	
Platinum: per troy oz		
Morning \$/troy oz	921.59	
Afternoon \$/troy oz	921.00	
Rhodium		
European free market		
min 99.9% in-warehouse, \$/troy oz	1,325.45	1,435.23
Silver		
London		
spot pence/troy oz	1,282.95	
spot cents/troy oz	1,693.73	
Handy/Harman cents/troy oz	1,694.14	

FOUNDRY INGOTS

	Low	High
Aluminium		
LM24, £/tonne	1,593.75	1,641.25
LM6/LM25, £/tonne	1,800.00	1,850.00
Aluminium Europe €/tonne	1,715.00	1,771.25
Phosphor Bronze		
PB1 ex-works, £/tonne	6,768.00	
Zinc Alloy		
ZL3, £/tonne	3,081.00	

EXCHANGE RATES (CLOSING RATES)

\$/£	1.32
\$/yen	112.90
\$/€	1.18

Copyright © 2002–2017 Metal Bulletin

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

LONDON METAL EXCHANGE

High, low and average October (22 days)
LME averages are mean of buyers and sellers except for
settlement and 3 months sellers.

	Jan-Oct 2017 Low	High	October average
	\$	\$	\$
Aluminium (\$)			
Cash	1,700.50	2,174.50	2,130.02
3 months	1,688.25	2,190.50	2,148.07
Settlement	1,701.00	2,175.00	2,130.41
3 months seller	1,688.50	2,191.00	2,148.50
Copper Grade A (\$)			
Cash	5,465.75	7,073.25	6,796.84
3 months	5,490.50	7,095.50	6,832.98
Settlement	5,466.00	7,073.50	6,797.39
3 months seller	5,491.00	7,096.00	6,834.05
Copper Grade A (£)			
Settlement	4,215.29	5,373.77	5,150.22
3 months seller	4,217.78	5,374.94	5,162.63
Lead (\$)			
Cash	2,006.75	2,584.50	2,505.76
3 months	2,021.00	2,592.50	2,513.00
Settlement	2,007.00	2,585.00	2,506.30
3 months seller	2,022.00	2,593.00	2,513.73
Lead (£)			
Settlement	1,575.55	1,954.87	1,898.90
3 months seller	1,575.54	1,955.53	1,898.88
Nickel (\$)			
Cash	8,712.50	12,145.00	11,319.66
3 months	8,775.00	12,210.00	11,377.50
Settlement	8,715.00	12,150.00	11,325.00
3 months seller	8,780.00	12,220.00	11,382.27
Tin (\$)			
Cash	18,757.50	21,295.00	20,459.20
3 months	18,755.00	21,212.50	20,285.57
Settlement	18,760.00	21,300.00	20,468.86
3 months seller	18,760.00	21,225.00	20,296.59

	Jan-Oct 2017 Low	High	October average
	\$	\$	\$
Zinc (\$)			
Cash	2,434.25	3,369.75	3,273.52
3 months	2,450.25	3,306.50	3,210.65
Settlement	2,434.50	3,370.00	3,273.95
3 months seller	2,450.50	3,309.00	3,211.66
Cobalt (\$)			
Cash	32,750.00	62,250.00	59,715.91
3 months	32,750.00	61,750.00	59,545.45
Settlement	33,000.00	62,500.00	59,954.55
3 months seller	33,000.00	62,000.00	59,795.45
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	1,820.45
3 months	1,560.00	1,930.00	1,834.09
Settlement	1,545.00	1,920.00	1,825.45
3 months seller	1,565.00	1,935.00	1,839.09
Nasaa (\$)			
Cash	1,695.00	1,990.25	1,895.89
3 months	1,725.00	2,007.50	1,917.73
Settlement	1,700.00	1,990.50	1,898.43
3 months seller	1,730.00	2,010.00	1,922.05

LME SETTLEMENT CONVERSION RATES

\$/£	1.32
\$/yen	112.94
\$/€	1.18