

Prices

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NEW YORK FUTURES

	Price	Change [†]	Assessed
Comex: Copper high grade cents/lb			
Settlement	265.45	0.11% ▲	13 Jul 17
Open interest	264,592	-1.42% ▼	12 Jul 17
Stocks (short ton)	165,603	1.41% ▲	12 Jul 17
Comex: Gold \$/troy oz			
Settlement	1,216.30	-0.48% ▼	13 Jul 17
Open interest	491,438	6.17% ▲	12 Jul 17
Stocks (troy oz)	8,522,191	-1.1% ▼	12 Jul 17
Nymex: Palladium \$/troy oz			
Settlement	854.75	2.71% ▲	13 Jul 17
Stocks (troy oz)	41,129	-1.45% ▼	12 Jul 17
Nymex: Platinum \$/troy oz			
Settlement	904.5	-0.3% ▼	13 Jul 17
Stocks (troy oz)	224,303	-0.31% ▼	12 Jul 17
Comex: Silver cents/troy oz			
Settlement	1,564.20	-1.79% ▼	13 Jul 17
Open interest	208,479	0.49% ▲	12 Jul 17

SHANGHAI FUTURES

	Price	Change [†]	Assessed
Aluminium yuan/tonne	14,200	1.03% ▲	14 Jul 17
Copper yuan/tonne	46,890	-0.13% ▼	14 Jul 17
Nickel cathode yuan/tonne	75,500	0.67% ▲	14 Jul 17
Tin ingot yuan/tonne	141,960	0%	14 Jul 17
Zinc yuan/tonne	22,970	-1.5% ▼	14 Jul 17
Steel rebar month 1 yuan/tonne	3,650	0%	14 Jul 17
Steel rebar month 2 yuan/tonne	3,770	3.01% ▲	14 Jul 17
Steel rebar month 3 yuan/tonne	3,665	4.68% ▲	14 Jul 17
Weekly stocks deliverable			
Aluminium (tonnes)	447,548	3.23% ▲	14 Jul 17
Copper (tonnes)	181,632	-0.64% ▼	14 Jul 17
Nickel cathode (tonnes)	72,819	-2.49% ▼	14 Jul 17
Tin ingot (tonnes)	6,234	8.81% ▲	14 Jul 17
Zinc (tonnes)	77,786	16.19% ▲	14 Jul 17
Steel rebar (tonnes)	1,788	0%	14 Jul 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	1,902-1,904	-0.86% ▼	14 Jul 17
Cash unofficial	1,915-1,917	-0.34% ▼	13 Jul 17
3 months official	1,920.5-1,921	-0.56% ▼	14 Jul 17
3 months unofficial	1,931-1,933	-0.1% ▼	13 Jul 17
LME Tapo notional average price (NAP)	1,906.72	-0.43% ▼	13 Jul 17
LME stocks (tonnes)	1,382,225	0.01% ▲	13 Jul 17
Aluminium alloy (A380.1/DIN/D12S) \$			
LME cash official	1,640-1,650	-0.6% ▼	14 Jul 17
LME cash unofficial	1,629.5-1,639.5	-0.34% ▼	13 Jul 17
LME 3 months official	1,650-1,660	-0.6% ▼	14 Jul 17
LME 3 months unofficial	1,640-1,650	-0.3% ▼	13 Jul 17
LME stocks (tonnes)	12,340	0%	13 Jul 17

Price Change Assessed

N. American special aluminium alloy

LME cash official	1,772-1,772.5	-1.79% ▼	14 Jul 17
LME cash unofficial	1,777.5-1,787.5	-3.07% ▼	13 Jul 17
LME 3 months official	1,795-1,805	-1.5% ▼	14 Jul 17
LME 3 months unofficial	1,795-1,805	-3.1% ▼	13 Jul 17
LME stocks (tonnes)	160,560	-0.06% ▼	13 Jul 17

Copper grade A \$

LME cash official	5,857.5-5,858	0.85% ▲	14 Jul 17
LME cash unofficial	5,865-5,867	0.92% ▲	13 Jul 17
LME 3 months official	5,880-5,880.5	0.89% ▲	14 Jul 17
LME 3 months unofficial	5,887-5,889	0.84% ▲	13 Jul 17
LME Tapo notional average price (NAP)	5,839.56	-0.13% ▼	13 Jul 17
LME stocks (tonnes)	313,300	-0.56% ▼	13 Jul 17

Lead \$

LME cash official	2,263-2,264	-0.26% ▼	14 Jul 17
LME cash unofficial	2,278.5-2,280.5	0.95% ▲	13 Jul 17
LME 3 months official	2,282-2,283	-0.24% ▼	14 Jul 17
LME 3 months unofficial	2,297-2,299	0.88% ▲	13 Jul 17
LME stocks (tonnes)	158,275	-1.08% ▼	13 Jul 17

Nickel \$

LME cash official	9,375-9,380	4.84% ▲	14 Jul 17
LME cash unofficial	9,155-9,180	0.85% ▲	13 Jul 17
LME 3 months official	9,415-9,420	4.73% ▲	14 Jul 17
LME 3 months unofficial	9,200-9,225	0.96% ▲	13 Jul 17
LME stocks (tonnes)	374,544	0.45% ▲	13 Jul 17

Tin \$

LME cash official	19,975-20,000	-0.3% ▼	14 Jul 17
LME cash unofficial	19,995-20,020	-0.12% ▼	13 Jul 17
LME 3 months official	19,830-19,850	-0.08% ▼	14 Jul 17
LME 3 months unofficial	19,900-19,925	0.13% ▲	13 Jul 17
LME stocks (tonnes)	1,935	7.5% ▲	13 Jul 17

Zinc special high grade \$

LME cash official	2,768.5-2,769	-0.32% ▼	14 Jul 17
LME cash unofficial	2,802-2,804	1.06% ▲	13 Jul 17
LME 3 months official	2,770-2,772	-0.36% ▼	14 Jul 17
LME 3 months unofficial	2,802-2,804	1.01% ▲	13 Jul 17
LME stocks (tonnes)	266,800	-5.14% ▼	13 Jul 17

Cobalt min 99.3%

LME cash official	59,000-59,500	-0.84% ▼	14 Jul 17
LME 3 months official	57,500-58,000	-0.86% ▼	14 Jul 17
LME stocks (tonnes)	706	-0.42% ▼	13 Jul 17

Molybdenum \$

LME cash official	15,500-16,000	0%	14 Jul 17
LME 3 months official	15,500-16,000	0%	14 Jul 17
LME stocks (tonnes)	0	0%	13 Jul 17

† week-on-week change

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Gold \$/troy oz	Price	Change	Assessed
London morning	1,218.95	-0.12%	▼ 14 Jul 17
London afternoon	1,218.90	-0.49%	▼ 13 Jul 17
Handy/Harman	1,218.90	-0.49%	▼ 13 Jul 17
Silver per troy oz			
London spot pence	1,211.26	-1.42%	▼ 14 Jul 17
London spot cents	1,571	-0.82%	▼ 14 Jul 17
Handy/Harman	1,571	-1.44%	▼ 13 Jul 17
Palladium \$/troy oz			
London morning	868	2.84%	▲ 13 Jul 17
London afternoon	869	4.07%	▲ 13 Jul 17
Platinum \$/troy oz			
London morning	917	0.88%	▲ 13 Jul 17
London afternoon	914	0.99%	▲ 13 Jul 17
Kuala Lumpur tin market			
Tin \$/tonne	19,900	-0.65%	▼ 14 Jul 17
ICDX			
Tin PB300 settlement price \$/tonne	20,150	1.51%	▲ 14 Jul 17
Tin PB300 volume, tonnes	11	-93.25%	▼ 14 Jul 17

RAND FIXING PRICES

Rand fixing prices per tonne for London Metal Exchange trade

	Price	Change [†]	Assessed
Copper	77,367.78	-1.04%	▼ 14 Jul 17
Aluminium	25,146.51	-2.68%	▼ 14 Jul 17
Lead	29,901.10	-2.12%	▼ 14 Jul 17
Zinc	36,570.74	-2.18%	▼ 14 Jul 17
Nickel	123,883.54	2.85%	▲ 14 Jul 17
Tin	264,144	-2.11%	▼ 14 Jul 17

EXCHANGE RATES

	Price	Change [†]	Assessed
LME settlement conversion rates			
\$/£	1.2980	0.63%	▲ 14 Jul 17
\$/¥	113.0800	-0.6%	▼ 14 Jul 17
\$/€	1.1418	0.09%	▲ 14 Jul 17
Closing rates, midpoint			
\$/£	1.2933	-0.12%	▼ 13 Jul 17
\$/¥	113.4050	0.2%	▲ 13 Jul 17
\$/€	1.1404	-0.01%	▼ 13 Jul 17
£/€	1.1341	-0.11%	▼ 13 Jul 17
\$/CNY	6.7814	-0.32%	▼ 13 Jul 17

BASE METALS ARBITRAGE

	Price	Change [†]	Assessed
Aluminium			
Import arbitrage, \$/tonne	-313.17*	-14.63%	▼ 14 Jul 17
Import arbitrage, RMB/tonne	-2,127.71*	-14.9%	▼ 14 Jul 17
Copper			
Import arbitrage, \$/tonne	-70.60*	-3.45%	▼ 14 Jul 17
Import arbitrage, RMB/tonne	-479.64*	-3.76%	▼ 14 Jul 17
Nickel			
Import arbitrage, \$/tonne	-10.25*	-108.83%	▼ 14 Jul 17
Import arbitrage, RMB/tonne	-69.61*	-108.8%	▼ 14 Jul 17
Zinc			
Import arbitrage, \$/tonne	-113*	86.87%	▲ 14 Jul 17
Import arbitrage, RMB/tonne	-767.72*	86.28%	▲ 14 Jul 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	35.0-45.0*	0%	11 Jul 17
North European warrants, Grade A cathode, in-warehouse, \$/tonne	5.0-15.0*	0%	11 Jul 17
Leghorn, copper low-high premium, Grade A, cathode, cif, \$/tonne	45.0-55.0*	0%	11 Jul 17
Leghorn, copper average premium, Grade A, cathode, cif, \$/tonne	50*	0%	11 Jul 17
South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne	60.0-65.0*	0%	11 Jul 17
South Korea, copper average premium, Grade A, cathode, cif, \$/tonne	63*	0%	11 Jul 17
Southeast Asian warrants, Grade A cathode, in-warehouse, \$ per tonne	5.0-10.0*	0%	11 Jul 17
Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne	63.0-75.0*	4.55%	▲ 14 Jul 17
Shanghai, copper average premium, Grade A, cathode, in-warehouse, \$/tonne	69*	4.55%	▲ 14 Jul 17
Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne	60.0-72.0*	3.12%	▲ 14 Jul 17
Shanghai, copper average premium, Grade A, cathode, cif, \$/tonne	66*	1.54%	▲ 14 Jul 17
MB free market US: High-grade cathode premium indicator, \$/tonne	110.2-121.3*	0%	11 Jul 17
Aluminium			
Aluminium P1020A, in-whs Rotterdam duty unpaid, spot low-high, \$/tonne	75.0-80.0*	3.33%	▲ 14 Jul 17
Aluminium P1020A, in-warehouse Rotterdam duty unpaid, spot weighted average, \$/tonne	76*	1.33%	▲ 14 Jul 17
Aluminium P1020A, cif Korea (Gwangyang or Busan), spot low-high, \$/tonne	85-105*	0%	11 Jul 17
Aluminium P1020A, cif Korea (Gwangyang or Busan), spot weighted average, \$/tonne	97.5*	-1.52%	▼ 11 Jul 17
Aluminium P1020A, Southeast Asian warrants, in-warehouse, \$/tonne	10.0-20.0*	0%	11 Jul 17
Aluminium P1020A, cif Shanghai, spot low-high, \$/tonne	90.0-105.0*	0%	11 Jul 17
Aluminium P1020A, cif Shanghai, spot weighted average, \$/tonne	97*	0%	11 Jul 17
Aluminium P1020A, cif main Japanese ports, spot low-high, \$/tonne	100.0-110.0*	0%	11 Jul 17
Aluminium P1020A, cif main Japanese ports, spot weighted average, \$/tonne	104*	0%	11 Jul 17
Aluminium ingot ADC 12 spot, main Japanese ports, \$/tonne	1,730*	0%	12 Jul 17
Aluminium P1020A, cif main Japanese ports, quarterly, \$/tonne	118.0-119.0*	-7.42%	▼ 20 Jun 17
Aluminium extrusion billet premium 6063 cif Japan, yearly, \$/tonne	140.0-170.0*	0%	13 Jan 17
Aluminium P1020A, in-warehouse Rotterdam duty-paid, spot \$/tonne	130.0-140.0*	1.89%	▲ 14 Jul 17
Aluminium 6063 extrusion billet, in-whs Rotterdam duty-paid, spot, \$/tonne	335.0-350.0*	1.48%	▲ 07 Jul 17
Aluminium P1020A, delivered US midwest, spot, \$/lb	0.070-0.075*	-3.01%	▼ 11 Jul 17
Aluminium P1020A, delivered Sao Paulo region, spot, \$/tonne	220.0-250.0*	0%	11 Jul 17

† week-on-week change

continued >>

	Price	Change	Assessed
Aluminium P1020A, cif Brazilian main ports duty-unpaid, spot, \$/tonne	150.0–160.0*	0%	11 Jul 17
Aluminium 6063 + 6060 extrusion billet, cif Brazilian main ports, spot (premium over LME cash), \$/tonne	280.0–300.0*	0%	16 Jun 17
Lead			
North European warrants, min 99.97% ingots, in-warehouse, \$/tonne	10.0–20.0*	0%	11 Jul 17
Southeast Asian warrants, min 99.97% ingots, in-warehouse, \$/tonne	10.0–20.0*	0%	11 Jul 17
USA lead premium 99.97%, delivered domestic, \$/lb	0.10–0.11*	0%	11 Jul 17
USA lead premium 99.97%, delivered domestic, cents/lb	9.5–11*	0%	11 Jul 17
USA lead premium 99.99%, delivered domestic, cents/lb	11–13*	0%	11 Jul 17
Nickel			
Shanghai, nickel low-high premium, 99.8% purity in-warehouse, \$/tonne	160.0–170.0*	6.45% ▲	11 Jul 17
Shanghai, nickel average premium, 99.8% purity in-warehouse, \$/tonne	165*	5.77% ▲	11 Jul 17
Shanghai, nickel low-high premium, 99.8% purity, full plate, cif, \$/tonne	160.0–170.0*	6.45% ▲	11 Jul 17
Shanghai, nickel premium, 99.8% purity full plate, cif, \$/tonne	165*	5.77% ▲	11 Jul 17
Southeast Asian warrants, min 99.80% full plates, in-warehouse, \$/tonne	50–90*	0%	11 Jul 17
Southeast Asian warrants, min 99.80% briquettes, in-warehouse, \$/tonne	5–15*	0%	11 Jul 17
uncut cathodes premium indicator	140.0–180.0*	0%	11 Jul 17
4x4 cathodes premium indicator	230.0–290.0*	4% ▲	11 Jul 17
briquettes premium indicator	200.0–250.0*	12.5% ▲	11 Jul 17
US: melting premium indicator, \$/lb	0.190–0.250*	0%	11 Jul 17
Tin			
MB European free market			
Spot premium 99.9%, \$/tonne	300–350*	0%	11 Jul 17
Spot premium 99.85%, \$/tonne	270–300*	0%	11 Jul 17
United States New York spot, cents/lb	935–936	–0.95% ▼	13 Jul 17
Zinc			
North European warrants, min 99.995% SHG ingots, \$/tonne	80.0–90.0*	0%	04 Jul 17
MB EU: Special high grade, fca Rotterdam, \$/tonne	135.0–145.0*	0%	11 Jul 17
Malaysia in-warehouse, 99.995% SHG ingots, \$/tonne	85.0–95.0*	–2.7% ▼	11 Jul 17
Singapore, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne	85.0–95.0*	–2.7% ▼	11 Jul 17
Singapore, zinc average premium, 99.995% purity, in-warehouse, \$/tonne	88*	–4.86% ▼	11 Jul 17
Shanghai, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne	145.0–155.0*	0%	11 Jul 17
Shanghai, zinc average premium, 99.995% purity, in-warehouse, \$/tonne	150*	0%	11 Jul 17
MB US: Special high grade, \$/lb	0.083–0.093*	0%	11 Jul 17

BASE METALS			
	Price	Change†	Assessed
Alumina			
MB Chinese free market, metallurgical grade, delivered duty paid, RMB/tonne	2,450.0–2,550.0*	–3.29% ▼	13 Jul 17
Alumina Index fob Australia	307.75*	–0.63% ▼	13 Jul 17
Alumina Index fob Brazil	–8.25*		06 Jul 17
Alumina Index fob Brazil, inferred Brazil price \$ per dry metric ton	301.45*		06 Jul 17
Bauxite			
fob Kamsar, Guinea \$/tonne per dmtu	36*	0%	06 Jul 17
fob Trombetas, Brazil \$/tonne per dmtu	35*	0%	06 Jul 17
Copper & Brass			
Producer premium			
Codelco: Contract 2016 Grade A cathode (average)	92.0	–17.86% ▼	04 Jan 16
Germany: (VDM) Electro, €/tonne wirebar (DEL):	5,209.6–5,237.0	0%	12 Jul 17
cathodes:	5,180.0–5,240.0	0%	12 Jul 17
South Africa: Palabora copper rod 7.90mm, Rand/tonne	84,532.280	–3.44% ▼	01 Jun 17
Copper concentrate Asia-Pacific Index RC import, US cents/lb (twice monthly on 15th and last day of month)	8.13–8.13*	–0.61% ▼	14 Jul 17
Copper concentrate Asia-Pacific Index TC import, \$/dmt (twice monthly on 15th and last day of month)	81.30–81.30*	–0.61% ▼	14 Jul 17
Shanghai bonded copper stocks, tonnes	510,000–520,000*	–6.36% ▼	03 Jul 17
Nickel			
Nickel pig iron high grade NPI content 10–15% contract price delivered duty paid China RMB per nickel unit price	790–815*	0%	11 Jul 17
Nickel pig iron high grade NPI content 10–15% spot price China RMB per nickel unit price	800–825*	0%	11 Jul 17
Nickel ore			
Laterite ore with 1.5% nickel content cif China, \$/tonne	30–32*	0%	11 Jul 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	44–46*	–1.1% ▼	11 Jul 17
Lead			
Germany: (VDM) virgin soft, €/tonne	2,190–2,220	1.61% ▲	12 Jul 17
European automotive battery premium free market (Eurobat)			
in-warehouse Rotterdam €/tonne			
Soft lead (average)	155.37*	–0.12% ▼	01 Jun 17
Ca/Ca grid grid lead (average)	445.91*	–0.19% ▼	01 Jun 17
Connector lead (average)	591.42*	0.69% ▲	01 Jun 17
European industrial battery premium free market (Eurobat)			
in-warehouse Rotterdam €/tonne			
Stand-by refined or soft lead (average)	280.13*	–0.12% ▼	01 Jun 17
Traction refined or soft lead (average)	279.02	–1.32% ▼	01 Jun 17
For an explanation of these premiums, see http://www.eurobat.org/statistics			
Zinc			
Germany: (VDM) virgin, €/tonne	2,650–2,650	1.53% ▲	12 Jul 17
UK: Special high grade, delivered monthly average price £/tonne	2,267*	4.42% ▲	03 Jul 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	940–1,040*	0%	14 Jul 17
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	970	1.04% ▲	14 Jul 17
Engelhard base price: \$/troy oz	980	0%	14 Jul 17
Palladium			
European free market: min 99.9%, \$/troy oz in-warehouse	857–869*	2.98% ▲	14 Jul 17
Engelhard base price: \$/troy oz	866	2.73% ▲	14 Jul 17
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	863	2.37% ▲	14 Jul 17
Platinum			
European free market: min 99.9%, \$/troy oz in-warehouse	903–914*	0.33% ▲	14 Jul 17
Engelhard base price: \$/troy oz	910	0.11% ▲	14 Jul 17
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	910	0.22% ▲	14 Jul 17
Rhodium			
European free market: min 99.9%, \$/troy oz in-warehouse	970–1,070*	–1.92% ▼	14 Jul 17
Engelhard base price: \$/troy oz	1,030	–1.9% ▼	14 Jul 17
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	1,030	–0.96% ▼	14 Jul 17
Ruthenium			
European free market: min 99.9%, \$/troy oz in-warehouse	60–70*	0%	14 Jul 17
Engelhard base price: \$/troy oz	66	0%	14 Jul 17
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	65	0%	14 Jul 17
MINOR METALS			
	Price	Change [†]	Assessed
Antimony			
MB free market Regulus, min 99.65%, max Se 50 ppm, max 100 ppm Bi, \$/tonne in-warehouse Rotterdam	7,750–8,150*	–1.55% ▼	14 Jul 17
MMTA Standard Grade II, \$/tonne in-warehouse Rotterdam	7,700–8,100*	–0.94% ▼	14 Jul 17
MB Chinese free market MMTA Standard Grade II, delivered duty paid RMB/tonne	52,500–53,000*	0.48% ▲	12 Jul 17
Arsenic			
MB free market \$/lb	0.90–1.25*	0%	07 Jul 17
Bismuth			
MB free market \$/lb	4.65–5.05*	0%	14 Jul 17
MB China domestic, min 99.99%, RMB/tonne	65,000–67,500*	–1.49% ▼	14 Jul 17
Cadmium			
MB free market min 99.95% cents/lb	66–75*	0%	14 Jul 17
MB free market min 99.99% cents/lb	66–77*	0%	14 Jul 17
Chromium			
MB free market alumino-thermic min 99% \$/tonne	7,750–8,050*	–0.63% ▼	14 Jul 17
Cobalt			
MB free market high-grade \$/lb	28.75–30.75*	0%	14 Jul 17
MB free market low-grade \$/lb	27.70–29.20*	0.26% ▲	14 Jul 17
MB high-grade, weighted average of all confirmed international trades, \$/lb	29.70*	–2.62% ▼	14 Jul 17
MB low-grade, weighted average of all confirmed international trades, \$/lb	28.44*	0.99% ▲	14 Jul 17
MB China domestic, min 99.8% RMB/tonne	375,000–425,000*–1.23%	▼	14 Jul 17
Cobalt tetroxide min 72.6% Co delivered China RMB/tonne	360,000–370,000*0%		14 Jul 17

	Price	Change	Assessed
Gallium			
MB free market \$/kg	110–130*	0%	14 Jul 17
MB China domestic, min 99.99%, RMB/kg	820–850*	–0.6% ▼	12 Jul 17
Germanium			
Germanium dioxide MB free market \$/kg	700–780*	0%	14 Jul 17
Germanium metal \$/kg Rotterdam	1,050–1,250*	0%	14 Jul 17
Germanium metal MB China domestic, min 99.999%, RMB/kg	7,100–7,400*	0%	12 Jul 17
Hafnium			
Hafnium 1% Zr max, in-warehouse global locations, \$/kg	900–1,000*	0%	07 Jul 17
Indium			
MB free market \$/kg	180–210*	0%	14 Jul 17
MB China domestic, min 99.99% RMB/kg	1,160–1,190*	–3.69% ▼	12 Jul 17
Indium Corp ingots min 99.97% \$/kg fob	440	–40.94% ▼	26 Jun 15
Magnesium			
European free market \$ per tonne	2,100–2,200*	0%	14 Jul 17
China free market min 99.8% Mg, fob China main ports, \$ per tonne	2,150–2,200*	0%	14 Jul 17
MB Chinese free market min 99% Mg, ex-works RMB/tonne	14,100–14,400*	0%	14 Jul 17
Manganese flake			
MB free market \$/tonne	1,700–1,770*	0%	14 Jul 17
Mercury			
MB free market \$ per flask	1,150–1,400*	0%	07 Jul 17
Rhenium in-warehouse Rotterdam duty paid			
Metal pellets, min 99.9% \$/lb	700–800*	0%	07 Jul 17
APR catalytic grade \$/kg Re	1,600–1,800*	0%	07 Jul 17
Selenium			
MB free market \$/lb	16.5–19.5*	0%	14 Jul 17
MB China domestic, min 99.9%, RMB/kg	270–310*	–3.33% ▼	14 Jul 17
Selenium dioxide, MB China domestic, min 98%, RMB/kg	200–215*	–1.19% ▼	14 Jul 17
Silicon			
MB free market €/tonne	1,900–1,980*	0%	14 Jul 17
US free market cents/lb	115–117*	3.11% ▲	10 Jul 17
Export from mainland China min 98.5%, \$/tonne fob	1,500–1,540*	2.7% ▲	14 Jul 17
Tellurium			
MB free market \$/kg	40–50*	0%	14 Jul 17
MB China domestic, min 99.99%, RMB/kg	380–400*	–2.5% ▼	14 Jul 17
Titanium			
MB free market ferro-titanium 70% (max 4.5% Al) \$/kg Ti d/d Europe	4.5–4.80*	1.09% ▲	12 Jul 17
Titanium ores \$/tonne			
Rutile conc min 95% TiO2 bagged, fob/Aus	770–850	0%	13 Jul 17
Rutile bulk conc min 95% TiO2 fob/Aus	710–770	0%	13 Jul 17
Ilmenite bulk conc min 54% TiO2 fob/Aus	150–160	–12.68% ▼	13 Jul 17

† week-on-week change

continued >>

NOBLE ALLOYS & ORES				
	Price	Change†	Assessed	
Molybdenum molybdc oxide				
Europe drummed molybdc oxide \$/lb Mo	7.25–7.35*	1.74%	▲	14 Jul 17
US canned molybdc oxide \$/lb Mo	7.35–7.5*	1.71%	▲	13 Jul 17
Ferro-molybdenum				
Basis 65% min, in-warehouse Rotterdam \$/kg Mo	18–18.60*	1.95%	▲	14 Jul 17
US free market 65–70% Mo \$/lb in-warehouse Pittsburgh	8.40–8.90*	0.58%	▲	13 Jul 17
MB Chinese free market concentrate 45% Mo in-warehouse China RMB/mtu	1,050–1,070*	0%		12 Jul 17
Tungsten				
European free market APT \$/mtu	218–226*	1.6%	▲	14 Jul 17
Export from mainland China APT Chinese No1 grade, min 88.5% WO3, \$/mtu fob	220–226*	0.22%	▲	12 Jul 17
MB Chinese free market concentrate 65% WO3 in-warehouse China RMB/tonne	82,000–83,000*	1.23%	▲	12 Jul 17
Ferro-tungsten				
Basis 75% W min \$/kg W in-warehouse Rotterdam duty unpaid	26.80–27.40*	0.18%	▲	14 Jul 17
China export min 75% \$/kg W, fob China	27–27.25*	0%		12 Jul 17
Vanadium				
Ferro-vanadium basis 78% min, free delivery duty paid consumer plant, 1st grade, Western Europe \$/kg V	26–26.60*	0.19%	▲	14 Jul 17
US free market ferro-vanadium \$/lb in-warehouse Pittsburgh	11.70–12.35*	1.69%	▲	13 Jul 17
Vanadium pentoxide min 98%, in-warehouse Rotterdam \$ per lb V2O5	5.35–6*	0%		14 Jul 17
Zircon				
Foundry grade bulk \$/tonne fob Australia	950–1,000	0%		13 Jul 17
Premium bulk \$/tonne fob Australia	1,000–1,050	0%		13 Jul 17

BULK ALLOYS				
	Price	Change†	Assessed	
Ferro-chrome \$/lb Cr				
China import charge chrome 50% Cr index, cif Shanghai, duty unpaid	0.83*	–2.35%	▼	14 Jul 17
Ferro-Chrome European Benchmark Indicator, lumpy Cr charge basis 52% (and high carbon), \$ per lb	1.20*	–0.83%	▼	14 Jul 17
Spot 6–8% C basis 50% Cr delivered duty paid China RMB/tonne	7,000–7,400*	–0.69%	▼	14 Jul 17
Contract 6–8% C basis 50% Cr delivered duty paid China RMB/tonne	6,800–7,000*	0.73%	▲	14 Jul 17
Lumpy Cr charge basis 52% Cr (and high carbon) quarterly	1.1*	–28.57%	▼	01 Jul 17
6–8% C basis 60% Cr max 1.5% Si	1.10–1.18*	0%		14 Jul 17
0.10% C average 60–70% Cr	1.90–2.03*	0.77%	▲	14 Jul 17
European low carbon in-warehouse 0.06% C max – 65% Cr	2–2.10*	0%		14 Jul 17
Low phosphorous Cr min 65% C max 7% Si max 1% p max 0.015% Ti max 0.05%	1.25–1.30*	0%		14 Jul 17
Japan import 8–9% C, basis 60% Cr, cif Japan, duty unpaid \$/lb contained chrome	0.85–0.90*	0%		13 Jul 17
South Korea import 8–9% C, basis 60% Cr, cif South Korea, duty unpaid \$/lb contained chrome	0.81–0.87*	1.82%	▲	13 Jul 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	1.380–1.470*	0.71%	▲	13 Jul 17
0.05% C – 65% min Cr	2.15–2.20*	0%		13 Jul 17
0.10% C – 62% min Cr	1.97–2.01*	–0.5%	▼	13 Jul 17
0.15% C – 60% min Cr	1.90–1.96*	–0.26%	▼	13 Jul 17

	Price	Change	Assessed	
Chrome ore \$/tonne				
<i>Chrome ore cif main Chinese ports</i>				
South African UG2 chrome ore concs, index basis 42%	169*	–1.17%	▼	14 Jul 17
Turkish lumpy 40–42% cfr main Chinese ports	260–280*	3.85%	▲	14 Jul 17
Ferro-manganese				
basis 78% Mn (scale pro rata) standard 7.5% C €/tonne	1,200–1,260*	0%		14 Jul 17
US free market 78% Mn standard 7.5% C \$/long ton in-warehouse Pittsburgh	1,480–1,540*	1%	▲	13 Jul 17
US free market medium carbon duty paid fob Pittsburgh, 80% min Mn 1.5% max C \$/lb	1.08–1.12*	0%		13 Jul 17
MB Chinese free market min 65% Mn max 7.0% C in-warehouse China RMB/tonne	6,100–6,300*	0%		14 Jul 17
Manganese ore				
44% Mn, cif Tianjin \$/dmtu of metal contained	6.02*	2.91%	▲	14 Jul 17
37% Mn, fob Port Elizabeth \$/dmtu of metal contained	4.10*	0.99%	▲	14 Jul 17
Inventories at the main ports of Tianjin and Qinzhou, million tonnes	2.60–3*	–5.08%	▼	12 Jul 17
Ferro-nickel				
China premium, 26–32% nickel contained, cif China, \$/tonne	30–60*	–460%	▼	26 Jun 17
Ferro-silicon				
Lumpy basis 75% Si (scale pro rata) €/tonne	1,200–1,250*	0%		14 Jul 17
US free market \$/lb in-warehouse Pittsburgh lumpy basis 75% Si – imported	0.80–0.82*	1.89%	▲	13 Jul 17
Export from mainland China, min 75% Si, 7.5% C, \$/tonne, fob	1,180–1,220*	3.9%	▲	14 Jul 17
MB Chinese free market min 75% Si, in-warehouse China, RMB/tonne	5,900–6,100*	4.35%	▲	14 Jul 17
Silico-manganese				
Lumpy basis 65–75% Mn basis 15–19% Si (scale pro rata) €/tonne	1,040–1,080*	0%		14 Jul 17
US free market \$/lb in-warehouse Pittsburgh	0.62–0.65*	0%		13 Jul 17
MB Chinese free market min 65% Mn max 17% Si in-warehouse China RMB/tonne	6,500–6,600*	0.77%	▲	14 Jul 17
65% min Mn 16% min Si \$/tonne fob India	1,080–1,130*	1.84%	▲	14 Jul 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	440–445*	0%	12 Jul 17
Wire rod (mesh quality)	440–450*	0%	12 Jul 17
Plate (8–40mm)	520–540*	0%	12 Jul 17
Hot rolled coil	450–490*	5.62% ▲	12 Jul 17
Cold rolled coil	540–545*	5.34% ▲	12 Jul 17
Hot-dip galvanized coil	630–650*	2.4% ▲	12 Jul 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	445–455*	0%	12 Jul 17
Wire rod (mesh quality)	440–455*	0%	12 Jul 17
Plate (8–40mm)	460–490*	–5.94% ▼	12 Jul 17
Hot rolled coil	450–465*	0.55% ▲	12 Jul 17
Cold rolled coil	520–530*	0.48% ▲	12 Jul 17
Hot-dip galvanized coil	600–610*	0%	12 Jul 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	415–420*	5.03% ▲	12 Jul 17
Wire rod (mesh quality)	420–430*	0%	12 Jul 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	455–465*	1.66% ▲	12 Jul 17
Wire rod (mesh quality)	465–475*	5.62% ▲	12 Jul 17
Sections (medium)	585–625*	2.54% ▲	12 Jul 17
Beams	490–510*	1.01% ▲	12 Jul 17
Southern Europe domestic			
<i>Metal Bulletin's appraisal of prices within the EU (excluding the UK) for commercial-quality carbon steel of EU origin, € per tonne delivered basis point</i>			
Rebar	430–440*	5.45% ▲	12 Jul 17
Wire rod (mesh quality)	450–460*	0%	12 Jul 17
Sections (medium)	555–575*	1.35% ▲	12 Jul 17
Beams	525–545*	4.9% ▲	12 Jul 17
Central Europe domestic € per tonne ex-works			
Hot rolled coil	440–450*	–0.56% ▼	12 Jul 17
Poland domestic zloty per tonne ex-works			
Rebar	1,870–1,940*	1.33% ▲	14 Jul 17
Northern Europe € per tonne ex-works			
Plate (8–40mm)	540–560*	–0.9% ▼	12 Jul 17
Hot rolled coil	485–510*	–0.5% ▼	12 Jul 17
Cold rolled coil	580–615*	–0.42% ▼	12 Jul 17
Hot-dip galvanized coil	630–660*	–0.77% ▼	12 Jul 17
Southern Europe € per tonne ex-works			
Plate (8–40mm)	490–500*	0%	12 Jul 17
Hot rolled coil	450–470*	1.1% ▲	12 Jul 17
Cold rolled coil	540–570*	0%	12 Jul 17
Hot-dip galvanized coil	570–600*	0%	12 Jul 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	440–445*	4.73% ▲	12 Jul 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	418*	2.7% ▲	10 Jul 17
Slab	385–410*	3.92% ▲	10 Jul 17
Rebar	450–460*	6.43% ▲	10 Jul 17
Wire rod (mesh)	460–470*	2.76% ▲	10 Jul 17
Heavy plate (10–50mm)	500–515*	0%	10 Jul 17
Hot rolled coil	455–470*	1.65% ▲	10 Jul 17
Cold rolled coil	525–530*	4.46% ▲	10 Jul 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	27,000–29,000*	2% ▲	10 Jul 17
Hot rolled sheet	32,500–33,100*	0%	10 Jul 17
Cold rolled sheet	36,500–36,700*	0%	10 Jul 17
Plate	33,800–34,000*	0%	10 Jul 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	455–465*	1.1% ▲	13 Jul 17
Rebar	455–470*	0.54% ▲	13 Jul 17
Wire rod (mesh quality)	470–480*	1.6% ▲	13 Jul 17
Merchant bars	500–520*	0%	13 Jul 17
Structural pipe	570–600*	5.41% ▲	12 Jul 17
Hot rolled coil	500–510*	0%	14 Jul 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	450–460*	3.64% ▲	13 Jul 17
Rebar	475–485*	0%	13 Jul 17
Wire rod (mesh quality)	500–510*	0%	13 Jul 17
Hot rolled coil	510–530*	0%	14 Jul 17
Cold rolled coil	630–640*	0%	14 Jul 17
Hot dip galvanized	745–770*	2.02% ▲	14 Jul 17
Prepainted galvanized	810–850*	0.61% ▲	14 Jul 17
Turkish imports			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr main Turkish port</i>			
Billet	425–430*	0%	13 Jul 17
Hot rolled coil	475–490*	–1.03% ▼	14 Jul 17
Cold rolled coil	555–560*	0%	14 Jul 17
UAE imports			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr Jebel Ali</i>			
Billet	410–420*	4.4% ▲	11 Jul 17
Rebar	470–485*	9.77% ▲	11 Jul 17
Hot rolled coil	500–540*	0%	11 Jul 17
Cold rolled coil	570–575*	0.35% ▲	11 Jul 17
Hot dip galvanized coil	650–740*	0.72% ▲	11 Jul 17
Saudi Arabia imports			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr</i>			
Rebar	460–480*	8.05% ▲	11 Jul 17
Hot rolled coil	500–520*	3.03% ▲	11 Jul 17

† week-on-week change

	Price	Change	Assessed
UAE domestic			
<i>Metal Bulletin's appraisal of prices within UAE for commercial-quality carbon steel of UAE origin, dirhams per tonne ex-works</i>			
Rebar	1,720–1,775*	0%	11 Jul 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	552–553*	0.55% ▲	12 Jul 17
Hot rolled coil	469–490*	–1.34% ▼	12 Jul 17
Hot dip galvanized coil	610–620*	0.82% ▲	12 Jul 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	10,350–10,500*	2.4% ▲	13 Jul 17

Egyptian import			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr main port</i>			
Billet	432–435*	0.58% ▲	13 Jul 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	390–405*	0%	14 Jul 17
Slab, Brazil	390–400*	2.6% ▲	14 Jul 17
Rebar	465–485*	6.74% ▲	14 Jul 17
Wire rod mesh quality	465–485*	6.74% ▲	14 Jul 17
Heavy plate over 10mm	500–505*	0%	14 Jul 17
Hot rolled coil (dry)	460–465*	0.54% ▲	14 Jul 17
Cold rolled coil	540–545*	2.84% ▲	14 Jul 17
Galvanized coil	800–810*	0%	14 Jul 17

South America imports			
<i>Metal Bulletin's appraisal of cfr prices for imported, commercial-quality carbon steel, \$ per tonne cfr main ports</i>			
Plate	500–510*	2.54% ▲	14 Jul 17
Hot rolled coil	500–520*	0.99% ▲	14 Jul 17
Cold rolled coil	540–550*	0.93% ▲	14 Jul 17
Galvanized coil	635–650*	0%	14 Jul 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	670–690*	–1.09% ▼	07 Jul 17
Cold rolled coil	800–825*	–1.81% ▼	07 Jul 17
Galvanized coil	1,050–1,140*	–2.88% ▼	07 Jul 17
Rebar	840–850*	0%	07 Jul 17

Brazil domestic			
<i>Metal Bulletin's appraisal of prices within Brazil for commercial-quality carbon steel, Reals per tonne ex-works</i>			
Hot rolled coil	2,960–3,160*	0%	07 Jul 17
Cold rolled coil	3,275–3,375*	0%	07 Jul 17
Hot dip galvanized coil	3,425–3,565*	0%	07 Jul 17

Metal Bulletin's appraisal of prices within Brazil for commercial-quality carbon steel, Reals per tonne delivered			
Rebar	3,250–3,410*	0%	07 Jul 17

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	467–476*	0%	05 Jul 17
Merchant bars	560–580*	0%	30 Jun 17
Wire rod (low carbon)	485–494*	0%	12 Jul 17
Medium sections	560–580*	0%	29 Jun 17
Medium plate	640–700*	3.08% ▲	12 Jul 17
Hot rolled coil (commodity)	560–590*	4.55% ▲	12 Jul 17
Cold rolled coil	670–720*	3.73% ▲	12 Jul 17
Hot dipped galvanized 0.012–0.015, G30	875–920*	3.76% ▲	12 Jul 17
ERW linepipe (X42)	820–840*	–1.19% ▼	27 Jun 17
OCTG API5CT – casing J55	950–970*	0%	27 Jun 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)	520–540*	0%	05 Jul 17
Wire rod (mesh quality fob mill)	560–560*	0%	12 Jul 17
Plate (fob mill)	720–720*	0%	07 Jul 17
Hot rolled sheet (fob mill)	620–620*	1.64% ▲	13 Jul 17
Cold rolled sheet (fob mill)	810–810*	1.25% ▲	13 Jul 17
Hot-dip galvanized (base) Midwest (fob mill)	810–810*	1.25% ▲	13 Jul 17
ERW linepipe (X42) (fob mill)	990–990*	0%	13 Jun 17
OCTG API5CT – casing J55 (fob mill)	1,100–1,200*	0%	27 Jun 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)	33.25–33.25*	0%	30 Jun 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	475–480*	0.53% ▲	11 Jul 17
Wire rod (mesh quality)	475–485*	1.05% ▲	11 Jul 17
Heavy plate	465–475*	1.29% ▲	11 Jul 17
Hot rolled coil	475–485*	2.13% ▲	11 Jul 17
Cold rolled coil	505–515*	2%	11 Jul 17
Galvanized coil 1mm	585–595*	1.72% ▲	11 Jul 17

Eastern China domestic			
<i>Metal Bulletin's appraisal of prices in eastern China for commercial-quality carbon steel of Chinese origin, yuan per tonne ex-warehouse</i>			
Rebar	3,630–3,690*	2.95% ▲	14 Jul 17
Wire rod (mesh)	3,680–3,730*	2.07% ▲	14 Jul 17
Sections	3,630–3,680*	2.67% ▲	14 Jul 17
Plate	3,580–3,630*	4.49% ▲	14 Jul 17
Hot rolled coil (min 2mm)	3,710–3,730*	3.91% ▲	14 Jul 17
Cold rolled coil (0.5 – 2 mm)	4,160–4,190*	3.21% ▲	14 Jul 17
Hot-dip galvanized coil	4,480–4,530*	0.67% ▲	14 Jul 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	3,400–3,400*	3.66% ▲	14 Jul 17
<i>Metal Bulletin's appraisal of prices in northern China for commercial-quality carbon steel of Chinese origin, yuan per tonne ex-warehouse</i>			
Hot rolled coil	3,650–3,680*	2.66% ▲	14 Jul 17
Rebar	3,650–3,730*	1.79% ▲	14 Jul 17

† week-on-week change

	Price	Change	Assessed
Southern China domestic			
<i>Metal Bulletin's appraisal of prices in southern China for commercial-quality carbon steel of Chinese origin, yuan per tonne ex-warehouse</i>			
Rebar	3,780–3,850*	1.06% ▲	14 Jul 17
Wire rod (mesh)	3,680–3,730*	-0.54% ▼	14 Jul 17
Sections	3,730–3,780*	1.62% ▲	14 Jul 17
Plate	3,600–3,650*	1.83% ▲	14 Jul 17
Hot rolled coil (min 2mm)	3,790–3,830*	3.53% ▲	14 Jul 17
Cold rolled coil (0.5 – 2 mm)	4,240–4,280*	3.27% ▲	14 Jul 17
Hot-dip galvanized coil	4,580–4,600*	0.11% ▲	14 Jul 17
Southeast Asia imports			
<i>Metal Bulletin's appraisal of prices in Southeast Asia for commercial-quality carbon steel, \$ per tonne cfr</i>			
Billet	440–450*	2.89% ▲	10 Jul 17
Slab (Asia/East Asia)	410–420*	4.4% ▲	10 Jul 17
Hot rolled coil (Vietnam)	490–495*	2.93% ▲	10 Jul 17
Rebar (Singapore)	430–435*	1.76% ▲	10 Jul 17
Wire rod (low carbon)	480–490*	3.74% ▲	10 Jul 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	410–415*	1.85% ▲	07 Jul 17
Plate (12–40mm)	480–490*	0%	07 Jul 17
Hot rolled coil (commodity)	480–485*	2.66% ▲	07 Jul 17
Hot-dip galvanized coil	700–720*	-3.73% ▼	07 Jul 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)	480–490*	1.04% ▲	07 Jul 17
Hot rolled coil (commodity)	490–495*	1.03% ▲	07 Jul 17
Hot rolled coil (CR grade)	490–495*	1.03% ▲	07 Jul 17
Cold rolled	525–530*	0%	07 Jul 17
Indian domestic			
<i>Metal Bulletin's appraisal of prices within India for commercial-quality carbon steel, rupees per tonne ex-works</i>			
Billet	25,500–25,700*	-2.66% ▼	07 Jul 17
Heavy plate	35,500–36,000*	2.88% ▲	07 Jul 17
Hot rolled coil	36,500–37,000*	2.8% ▲	07 Jul 17
Cold rolled coil	40,500–41,000*	2.52% ▲	07 Jul 17
DRI	16,300–16,600*	-4.91% ▼	07 Jul 17
Hot-dip galvanized coil	45,000–45,500*	2.26% ▲	07 Jul 17
Rebar	29,600–29,900*	-2.14% ▼	07 Jul 17

STEELBENCHMARKER™ PRICES

	Price	Change [†]	Assessed
Region: USA east of the Mississippi			
Standard plate (\$/metric tonne)	796	0.51% ▲	10 Jul 17
Standard plate (\$/short ton)	722	0.56% ▲	10 Jul 17
Hot rolled coil (\$/metric tonne)	672	0.45% ▲	10 Jul 17
Hot rolled coil (\$/short ton)	610	0.49% ▲	10 Jul 17
Cold rolled coil (\$/metric tonne)	862	-0.46% ▼	10 Jul 17
Cold rolled coil (\$/short ton)	782	-0.38% ▼	10 Jul 17
Region: Mainland China			
Rebar	462	2.9% ▲	10 Jul 17
Standard plate	436	5.06% ▲	10 Jul 17
Hot rolled coil	449	6.15% ▲	10 Jul 17
Cold rolled coil	512	6.44% ▲	10 Jul 17
Region: World export market			
Hot rolled coil (\$/metric tonne)	477	0.63% ▲	10 Jul 17

STAINLESS STEEL			
	Price	Change [†]	Assessed
Asia import			
\$/tonne cif East Asian port			
Grade 304 2mm CR coil 2B	1,880–1,910*	0%	12 Jul 17
Grade 304 HR sheet	1,780–1,800*	0%	12 Jul 17
China domestic			
yuan/tonne, in-warehouse			
Grade 304 2mm CR coil	13,500–14,200*	2.59% ▲	13 Jul 17
Grade 430 2mm CR coil	8,200–8,300*	0.61% ▲	13 Jul 17
EU export			
€/tonne fob N. European port			
Min 100 tonne lot			
Grade 304 2mm CR sheet	2,191–2,290*	0%	14 Jul 17
EU domestic			
2mm 304 cold rolled stainless sheet, €/tonne			
N. Europe Base price	1,060–1,100*	0%	14 Jul 17
Alloy surcharge	1,131–1,190*	0%	14 Jul 17
2mm 316 cold rolled stainless sheet, €/tonne			
Base price	1,350–1,400*	0%	14 Jul 17
Alloy surcharge	1,571–1,677*	0%	14 Jul 17
304 stainless steel bright bar, €/tonne			
Base price	950–970*	0%	14 Jul 17
Alloy surcharge	1,390–1,467*	0%	14 Jul 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	92–92*	-10.73% ▼	06 Jul 17
Grade 316 coiled plate	124–124*	-9.19% ▼	06 Jul 17
Grade 304 cold rolled sheet	111–111*	-9.05% ▼	10 Jul 17
Grade 316L cold rolled sheet	144–144*	-7.99% ▼	10 Jul 17
Raw materials index			
EU domestic stainless steel \$ per tonne			
304 Europe raw materials index	1,154.62*	0.43% ▲	10 Jul 17

CHINA IRON ORE

cfr main China port \$ per dry metric tonne

	Price	Change [†]	Assessed
Iron ore index (62% Fe)	65.74*	4.68% ▲	14 Jul 17
Iron ore pellet index cfr Qingdao (65% Fe)	100.75*	2.16% ▲	14 Jul 17
Iron ore concentrate index cfr Qingdao (66% Fe)	76.92*	1.01% ▲	14 Jul 17
Metal Bulletin Indicator for US\$/% Fe in iron ore fines cfr Qingdao	0.96*	9.09% ▲	03 Jul 17

IRAN IRON ORE

cfr China US \$ per tonne

	Price	Change [†]	Assessed
Iron ore fines index (60% Fe)	55.55–55.55*	2.17% ▲	12 Jul 17

COKING COAL

\$ per metric tonne

	Price	Change [†]	Assessed
Premium hard coking coal cfr China	166.47–166.47*	4.87% ▲	14 Jul 17
Hard coking coal cfr China	153.84–153.84*	3.69% ▲	14 Jul 17
Premium hard coking coal fob Australia	161.34–161.34*	6.67% ▲	14 Jul 17
Hard coking coal fob Australia	146.49–146.49*	2.77% ▲	14 Jul 17
China hard coking coal Shanxi spot market domestic delivered yuan/tonne	1,310–1,530*	4.03% ▲	14 Jul 17
65% CSR coke \$/tonne fob Tianjin	270–285*	2.4% ▲	11 Jul 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	185–205*	5.41% ▲	14 Jul 17
1&2 old steel	165–185*	6.06% ▲	14 Jul 17
12A/C new production heavy and shovellable steel	190–210*	5.26% ▲	14 Jul 17
12D new production heavy and shovellable steel	195–215*	5.13% ▲	14 Jul 17
Bales and cuttings			
4A new steel bales	195–215*	5.13% ▲	14 Jul 17
4C new steel bales	185–205*	5.41% ▲	14 Jul 17
8A new loose light cuttings	185–205*	5.41% ▲	14 Jul 17
8B new loose light cuttings	170–190*	5.88% ▲	14 Jul 17
Turnings			
UK inter-merchant 7B heavy steel turnings	150–170*	6.67% ▲	14 Jul 17
Cast iron			
9A/10 heavy and light cast iron	170–190*	5.88% ▲	14 Jul 17
9B/C cylinder block scrap	190–210*	5.26% ▲	14 Jul 17
11A cast iron borings	120–140*	8.33% ▲	14 Jul 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	75–100*	6.06% ▲	07 Jul 17
UK ferrous scrap export			
<i>MB assessment \$/tonne cfr main UK port</i>			
HMS 1&2 (80:20 mix)	273–277*	2.8% ▲	07 Jul 17
Shredded	278–282*	2.75% ▲	07 Jul 17
Indian imports			
<i>MB assessment \$/tonne cfr Nhava Sheva</i>			
MB index cfr India shredded	311.06*	2.59% ▲	07 Jul 17
HMS 1&2 (80:20 mix)	285–295*	2.65% ▲	14 Jul 17
Alloy steel scrap domestic			
<i>UK wholesale merchants' stainless (£/tonne)</i>			
18/8 solids	780–820*	0%	14 Jul 17
18/8 turnings	665–695*	0%	14 Jul 17
12–13% Cr solids	150–180*	0%	14 Jul 17
16–17% Cr solids	190–210*	0%	14 Jul 17
Cif Europe stainless € per tonne			
18/8 solids	950–980*	0%	14 Jul 17
18/8 turnings	855–880*	0%	14 Jul 17
Rotterdam export			
<i>MB assessment \$/tonne fob Rotterdam</i>			
MB index fob Rotterdam HMS 1&2 (80:20)	271.82*	3.31% ▲	07 Jul 17
HMS 1&2 (70:30 mix)	271–274*	2.06% ▲	07 Jul 17
Shredded	279–284*	1.62% ▲	07 Jul 17
Turkish import			
<i>MB assessment \$/tonne cfr main Turkish ports</i>			
MB index cfr Turkey HMS 1&2 (80:20) (North Europe material)	291.83*	0.51% ▲	13 Jul 17
MB index cfr Turkey HMS 1&2 (80:20) (United States material)	299.34*	0.12% ▲	13 Jul 17
HMS 1&2 (75:25 mix)	288–291*	1.94% ▲	07 Jul 17
Shredded	295–304*	2.04% ▲	07 Jul 17

	Price	Change	Assessed
Turkish domestic			
<i>MB assessment delivered</i>			
Melting scrap from shipbreaking (\$/tonne)	290–295*	2.63% ▲	10 Jul 17
Auto bundle scrap (Turkish ir) (\$/tonne)	940–1,050*	2.58% ▲	10 Jul 17
USA export			
<i>AMM ferrous scrap export index \$/tonne East Coast fob New York</i>			
HMS 1&2 (80:20)	278*	–0.07% ▼	12 Jul 17
Shredded	283*	0.09% ▲	12 Jul 17
USA domestic			
<i>AMM Midwest index \$/gross ton delivered mill</i>			
No1 heavy melting scrap	265.18*	0.25% ▲	10 Jul 17
No1 busheling	365.76*	2.41% ▲	10 Jul 17
Shredded	287.61*	0.55% ▲	10 Jul 17
China domestic			
<i>yuan/tonne delivered mill</i>			
Heavy scrap	1,710–1,890*	0%	14 Jul 17
Taiwan import			
<i>\$/tonne cfr main port</i>			
HMS 1&2 (80:20 mix) (USA material)	255–265*	1.96% ▲	14 Jul 17
Germany domestic			
<i>€/tonne composite sales price ex-yard, source: BDSV</i>			
No E2/8 (new steel scrap)	223.80	–2.65% ▼	01 Jun 17
No E1 (old steel scrap)	200.30	–4.3% ▼	01 Jun 17
No E3 (old thick steel scrap)	219	–2.88% ▼	01 Jun 17
No E40 (shredded steel scrap)	221.80	–3.57% ▼	01 Jun 17
No E5 (steel turnings)	178.20	–4.96% ▼	01 Jun 17
<i>MB assessment €/tonne delivered at mill</i>			
Grade E40 (shredded steel scrap)	235–245	–6.8% ▼	21 Jun 17
No E8 (thin new production steel scrap)	240–250	–3.92% ▼	21 Jun 17
No E3 (old thick scrap)	230–240	–6% ▼	21 Jun 17
Italy domestic			
<i>MB assessment €/tonne delivered at mill</i>			
No E3 (old thick scrap)	220	–2.15% ▼	26 Jun 17
No E8 (thin new production steel)	250	–2.86% ▼	26 Jun 17

SCRAP SUBSTITUTES

	Price	Change [†]	Assessed
EU imports \$/tonne			
Pig iron imports cif Italy	340–350*	2.99% ▲	13 Jul 17
Latin American exports \$/tonne, delivery terms as stated			
Hot briquetted iron Venezuela	200–210*	2.5% ▲	14 Jul 17
Pig iron fob Vitoria/Rio	320–325*	0%	14 Jul 17
Pig iron fob Ponta da Maderia	345–350*	0%	14 Jul 17
US imports \$/tonne cfr Gulf of Mexico			
Pig iron	340–360*	0%	14 Jul 17
CIS exports \$/tonne fob main port			
Pig iron Baltic Sea	360–375*	–0.68% ▼	13 Jul 17
Pig iron Black Sea	320–340*	4.76% ▲	13 Jul 17
China domestic yuan/tonne delivered warehouse			
Pig iron	2,370–2,520*	2.95% ▲	14 Jul 17

† week-on-week change

continued >>

NON-FERROUS SCRAP EUROPE

	Price	Change [†]	Assessed
Aluminium			
European free market MB assessment €/tonne			
Floated frag	1,270–1,330*	-0.76% ▼	14 Jul 17
Cast	1,170–1,240*	-0.82% ▼	14 Jul 17
Mixed turnings 6%	1,070–1,140*	-0.9% ▼	14 Jul 17
Germany per 1000kg			
Pure cuttings	1,350–1,430	0%	12 Jul 17
Commercial cast	1,220–1,340	0%	12 Jul 17
H9 extrusions	1,640–1,740	-0.59% ▼	12 Jul 17
Alloy turnings	1,010–1,130	-0.93% ▼	12 Jul 17
Source: VDM			
France per 1000kg			
Pure cuttings	1,460–1,500	-1.99% ▼	11 Jul 17
Old rolled	750–800	-3.12% ▼	11 Jul 17
Commercial cast	850–880	-1.14% ▼	11 Jul 17
Source: Lettre d'Information Metaux			
Italy per 1000kg			
Pure cuttings	1,210–1,310	-0.79% ▼	07 Jul 17
Old mixed scrap	1,165–1,215	-0.83% ▼	07 Jul 17
Commercial cast	1,080–1,130	-0.45% ▼	07 Jul 17
Source: Assomet			
Copper			
Germany per 1000kg			
Copper wire (berry)	4,920–5,080	-1.19% ▼	12 Jul 17
Heavy copper	4,430–4,650	-1.3% ▼	12 Jul 17
Heavy brass	3,180–3,390	0%	12 Jul 17
Brass turnings (MS 58)	3,640–3,700	0%	12 Jul 17
Brass sheet (MS 63)	3,840–3,930	0%	12 Jul 17
Source: Verein Deutscher Metallhandler			
France per 1000kg			
Electro cuttings	4,600–4,650	-1.8% ▼	11 Jul 17
No 1 bright wire	4,450–4,500	-2.19% ▼	11 Jul 17
Mixed (96%)	4,200–4,260	-1.05% ▼	11 Jul 17
Brass plate cuttings 70/30	3,450–3,470	-0.43% ▼	11 Jul 17
Brass turnings	2,850–2,900	-1.71% ▼	11 Jul 17
Mixed brass	2,900–2,950	-0.51% ▼	11 Jul 17
Source: Lettre d'Information Metaux			
Italy per 1000kg			
Electrolytic dd EN 12861-S-Cu-2	4,880–4,960	-1.28% ▼	07 Jul 17
Enamelled wire EN 12861-S-Cu-3	4,715–4,797	-1.35% ▼	07 Jul 17
New from tubes, strips etc EN 12861-S-Cu-4	4,770–4,918	-1.32% ▼	07 Jul 17
Old from tubes, strips etc 12861-S-Cu-7	4,555–4,645	-1.37% ▼	07 Jul 17
EN12861-S-Cu-Zn-1-A-Cu 63.5%	3,893–3,978	-0.88% ▼	07 Jul 17
Mixed from valves/taps EN 12861-S-Cu-Zn-6	3,020–3,350	-1.09% ▼	07 Jul 17
Several 95% m/m 12861-S-Cu-Zn-7	3,150–3,228	-1.09% ▼	07 Jul 17
Source: Assomet			

STEELBENCHMARKER™ SCRAP PRICES

	Price	Change [†]	Assessed
Region: USA, east of the Mississippi			
Shredded scrap (\$/metric tonne)**	286	1.78% ▲	10 Jul 17
Shredded scrap (\$/gross ton)**	290	1.75% ▲	10 Jul 17
No 1 heavy melting scrap (\$/metric tonne)	261	0%	10 Jul 17
No 1 heavy melting scrap (\$/gross ton)	266	0%	10 Jul 17
No 1 busheling scrap (\$/metric tonne)	363	1.4% ▲	10 Jul 17
No 1 busheling scrap (\$/gross ton)	369	1.37% ▲	10 Jul 17

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

UK NON-FERROUS SCRAP

	Price	Change [†]	Assessed
Aluminium – actual price			
£ per tonne			
Group 1 pure 99% & Litho	1,350–1,390*	-0.36% ▼	12 Jul 17
Commercial pure cuttings	1,100–1,170*	-0.44% ▼	12 Jul 17
Clean HE9 extrusions	1,350–1,390*	-0.36% ▼	12 Jul 17
Loose old rolled cuttings	840–890*	-0.57% ▼	12 Jul 17
Baled old rolled	920–950*	-1.06% ▼	12 Jul 17
Commercial cast	1,030–1,070*	0%	12 Jul 17
Cast wheels	1,200–1,270*	0%	12 Jul 17
Commercial turnings	690–740*	-0.69% ▼	12 Jul 17
Group 7 turnings	600–640*	-0.8% ▼	12 Jul 17

MB and LME aluminium scrap discounts

£ per tonne			
Group 1 pure 99% & Litho	85–125*	7.14% ▲	12 Jul 17
Commercial pure cuttings	305–375*	2.1% ▲	12 Jul 17
Clean HE9 extrusions	85–125*	7.14% ▲	12 Jul 17
Loose old rolled cuttings	385–435*	5.4% ▲	12 Jul 17
Baled old rolled	325–355*	8.28% ▲	12 Jul 17
Commercial cast	205–245*	7.66% ▲	12 Jul 17
Cast wheels	5–75*	66.67% ▲	12 Jul 17
Commercial turnings	535–585*	3.9% ▲	12 Jul 17
Group 7 turnings	635–675*	3.31% ▲	12 Jul 17

Titanium

\$/lb cif			
Turnings, unprocessed type 90/6/4 (0.5% Sn max)	0.78–0.87*	-1.79% ▼	12 Jul 17
Turnings, unprocessed 90/6/4 (over 0.5% max 2% Sn)	0.72–0.82*	-2.53% ▼	12 Jul 17

Copper scrap discount

cents/lb			
No 2 copper (birch/cliff) imported into China 94–96% cif China	25–27*	-8.77% ▼	26 Jun 17

† week-on-week change

continued >>

NON-FERROUS FOUNDRY INGOTS

	Price	Change [†]	Assessed
Aluminium UK £/tonne			
MB free market			
LM24 pressure diecasting ingot	1,580–1,610*	-0.31% ▼	12 Jul 17
LM6/LM25 gravity diecasting ingot	1,710–1,810*	-0.56% ▼	12 Jul 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	1,700–1,750*	0.58% ▲	14 Jul 17
Aluminum US \$/lb delivered Midwest			
A380.1 alloy	0.91–0.92*	0%	13 Jul 17
AFFIMET €/tonne			
AS12	3,580	-3.5% ▼	01 Jul 17
AS12 UN	2,855	-3.22% ▼	01 Jul 17
AS9 U3	2,230	-4.09% ▼	01 Jul 17
AS5 U3	2,580	-3.55% ▼	01 Jul 17
Reflects generally larger traded lots			
VDM €/1000 kg delivered			
DIN 226	2,300–2,400	0%	12 Jul 17
DIN 231	2,380–2,480	0%	12 Jul 17
DIN 311	2,360–2,460	0%	12 Jul 17
Aluminium bronze £/tonne UK			
AB1 ex-works	4,650	-1.06% ▼	11 Jul 17
AB2 ex-works	4,750	-1.04% ▼	11 Jul 17
Source: C. F. Booth Ltd			
Brass UK £/tonne			
SCB3 ex-works	3,750	-1.32% ▼	11 Jul 17
High tensile HTB1 ex-works	3,850	-1.28% ▼	11 Jul 17
Source: C. F. Booth Ltd			
Gunmetal UK £/tonne			
LG2 85/5/5/5 ex-works	4,550	-1.09% ▼	11 Jul 17
LG4 87/7/3/3 ex-works	5,150	-0.96% ▼	11 Jul 17
G11.15 PB ex-works	6,000	-0.83% ▼	11 Jul 17
Source: C. F. Booth Ltd			
Phosphor bronze UK £/tonne			
PB1 ex-works	6,550	-0.76% ▼	11 Jul 17
Source: C. F. Booth Ltd			
Phosphor copper £/tonne			
10% P ex-works	6,100	-0.81% ▼	11 Jul 17
15% P ex-works	6,200	-0.8% ▼	11 Jul 17
Source: C. F. Booth Ltd			
Zinc alloys UK £/tonne			
Brock Metal Co contract alloy price (delivered UK)			
Brock Metal ZL3	2,716	8.86% ▲	01 Jul 17
Brock Metal ZL5	2,741	8.73% ▲	01 Jul 17

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BASE METALS

	Low	High
Aluminium		
Aluminium P1020A, in-warehouse Rotterdam premium, duty unpaid, spot \$/tonne	71.18	84.59
Aluminium P1020A, in-warehouse Rotterdam duty paid, spot \$/tonne	126.67	141.11
Alumina		
Index fob Australia	305.28	
Copper		
US High-grade cathode premium indicator, \$/tonne	110.23	121.25
Nickel		
Free market in warehouse premium		
Europe \$/tonne Uncut cathodes	147.50	180.00
4x4 cathodes	220.00	280.00
Briquettes	180.00	220.00
US Melting \$/lb	0.19	0.25
Tin		
European free market		
Spot Premium 99.9%, \$/tonne	315.00	355.00
Spot premium 99.85%, \$/tonne	290.00	320.00
Kuala Lumpur (ex-smelter), \$/tonne	19,699.42	

MINOR METALS

Antimony		
MB free market Regulus 99.65%, max Se 50ppm, in warehouse, \$/tonne	8,566.67	8,855.56
MMTA Standard grade II, \$/tonne	8,366.67	8,633.33
Bismuth		
MB free market min. 99.99%, tonne lots, in warehouse, \$/lb	4.65	5.07
Cadmium		
MB free market		
min 99.95%, in warehouse, cents/lb	68.78	79.22
min 99.99%, in warehouse cents/lb	68.78	79.22
Cobalt		
MB free market		
High Grade, in warehouse, \$/lb	28.20	29.83
Low Grade, in warehouse, \$/lb	26.33	27.52
Germanium Dioxide		
MB free market min 99.99%, \$/kg	700.00	780.00
Rotterdam, \$/kg	1,050.00	1,250.00
Indium		
MB free market ingots, min 99.97%, in warehouse, \$/kg	180.56	217.22
Magnesium		
MB free market min 99.8%, \$/tonne	2,110.00	2,210.00
China free market min 99.8%, \$/tonne	2,148.00	2,180.00
Mercury		
MB free market		
min 99.99%, in warehouse, \$/flask	1,150.00	1,400.00

	<i>Low</i>	<i>High</i>
Selenium		
MB free market		
min 99.5% in warehouse, \$/lb	18.10	20.17
Silicon		
Grade 441, min 99% Si in-warehouse Rotterdam, €/tonne	1,900.00	1,980.00
Titanium		
Ferro-Titanium, 70% (max 4.5% Al), d/d Europe, \$/kg	4.49	5.06

ORES & ALLOYS

	Low	High
Molybdenum		
Free market in warehouse Europe drummed molybdic oxide \$/lb Mo	7.17	7.32
US canned molybdic oxide \$/lb Mo	7.37	7.60
Ferro-molybdenum		
basis 65% min, in-warehouse Rotterdam, \$/kg Mo	17.98	18.63
Tungsten		
European free market APT, \$/mtu	217.20	224.60
Ferro-tungsten		
basis 75% W min, \$/kg	26.44	27.06
Vanadium		
min 98%, in-warehouse Rotterdam, V2O5, \$/lb	5.33	5.76
Ferro-vanadium		
basis 78% min, free delivery duty paid consumer plant, 1st grade Western Europe, \$/kg V	25.82	26.41
US Free market 70-80%, \$/lb	11.82	12.22

PRECIOUS METALS

Gold		
London \$/troy oz	Morning	1,261.28
	Afternoon	1,260.26
London £/troy oz	Morning	985.71
	Afternoon	984.19
Handy/Harman \$/troy oz		1,260.26
Palladium		
Morning \$/troy oz	862.91	
Afternoon \$/troy oz	864.64	
Platinum: per troy oz		
Morning \$/troy oz	933.14	
Afternoon \$/troy oz	930.73	
Rhodium		
European free market		
min 99.9% in-warehouse, \$/troy oz	930.68	1,030.68
Silver		
London		
spot pence/troy oz	1,323.68	
spot cents/troy oz	1,694.59	
Handy/Harman cents/troy oz	1,693.11	

FOUNDRY INGOTS

	Low	High
Aluminium		
LM24, £/tonne	1,565.00	1,635.00
LM6/LM25, £/tonne	1,705.00	1,832.50
Aluminium Europe €/tonne	1,684.00	1,756.00
Phosphor Bronze		
PB1 ex-works, £/tonne	6,562.00	
Zinc Alloy		
ZL3, £/tonne	2,495.00	

EXCHANGE RATES (CLOSING RATES)

\$/£	1.28
\$/yen	110.89
\$/€	1.12

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

	Jan–June 2017		June average
	Low	High	
	\$	\$	\$
Aluminium (\$)			
Cash	1,700.50	1,961.00	1,886.25
3 months	1,688.25	1,971.75	1,891.83
Settlement	1,701.00	1,962.00	1,886.61
3 months seller	1,688.50	1,972.00	1,892.16
Copper Grade A (\$)			
Cash	5,465.75	6,144.50	5,699.08
3 months	5,490.50	6,155.50	5,724.39
Settlement	5,466.00	6,145.00	5,699.48
3 months seller	5,491.00	6,156.00	5,725.07
Copper Grade A (£)			
Settlement	4,215.29	4,954.94	4,452.77
3 months seller	4,217.78	4,922.04	4,459.95
Lead (\$)			
Cash	2,006.75	2,441.50	2,130.64
3 months	2,021.00	2,444.50	2,151.19
Settlement	2,007.00	2,442.00	2,131.18
3 months seller	2,022.00	2,445.00	2,151.95
Lead (£)			
Settlement	1,575.55	1,950.95	1,664.94
3 months seller	1,575.54	1,949.45	1,676.36
Nickel (\$)			
Cash	8,712.50	11,042.50	8,927.61
3 months	8,775.00	11,092.50	8,982.05
Settlement	8,715.00	11,045.00	8,930.68
3 months seller	8,780.00	11,095.00	8,988.18
Tin (\$)			
Cash	18,757.50	21,295.00	19,696.48
3 months	18,755.00	21,212.50	19,535.34
Settlement	18,760.00	21,300.00	19,701.82
3 months seller	18,760.00	21,225.00	19,546.82

	Jan–June 2017		June average
	Low	High	
	\$	\$	\$
Zinc (\$)			
Cash	2,434.25	2,970.50	2,571.53
3 months	2,450.25	2,958.25	2,582.76
Settlement	2,434.50	2,971.00	2,571.93
3 months seller	2,450.50	2,958.50	2,583.39
Cobalt (\$)			
Cash	32,750.00	59,750.00	57,467.16
3 months	32,750.00	59,750.00	57,405.68
Settlement	33,000.00	60,000.00	57,691.14
3 months seller	33,000.00	60,000.00	57,629.55
Molybdenum (\$)			
Cash	15,000.00	17,250.00	16,636.36
3 months	15,000.00	17,250.00	16,636.36
Settlement	15,250.00	17,500.00	16,886.36
3 months seller	15,250.00	17,500.00	16,886.36
Aluminium Alloy (\$)			
Cash	1,540.00	1,715.00	1,610.86
3 months	1,560.00	1,725.00	1,621.02
Settlement	1,545.00	1,720.00	1,615.55
3 months seller	1,565.00	1,730.00	1,625.91
Nasaa (\$)			
Cash	1,695.00	1,945.00	1,806.35
3 months	1,725.00	1,960.00	1,823.41
Settlement	1,700.00	1,950.00	1,807.50
3 months seller	1,730.00	1,965.00	1,827.05

LME SETTLEMENT CONVERSION RATES

\$/£	1.28
\$/yen	110.98
\$/€	1.12