

Prices

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NEW YORK FUTURES

	Price	Change [†]	Assessed
Comex: Copper high grade cents/lb			
Settlement	216.55	3.59% ▲	27 Oct 16
Open interest	211,447	-0.9% ▼	26 Oct 16
Stocks (short ton)	72,474	0.37% ▲	26 Oct 16
Comex: Gold \$/troy oz			
Settlement	1,267.90	0.18% ▲	27 Oct 16
Open interest	506,392	0.55% ▲	26 Oct 16
Stocks (troy oz)	10,564,658	0.97% ▲	26 Oct 16
Nymex: Palladium \$/troy oz			
Settlement	613.20	-3.11% ▼	27 Oct 16
Stocks (troy oz)	74,773	-0.67% ▼	26 Oct 16
Nymex: Platinum \$/troy oz			
Settlement	961.70	3.28% ▲	27 Oct 16
Stocks (troy oz)	240,312	-0.12% ▼	26 Oct 16
Comex: Silver cents/troy oz			
Settlement	1,760.40	0.58% ▲	27 Oct 16
Open interest	195,377	1.14% ▲	26 Oct 16

SHANGHAI FUTURES

	Price	Change [†]	Assessed
Aluminium yuan/tonne	14,265	10.62% ▲	28 Oct 16
Copper yuan/tonne	38,270	2.88% ▲	28 Oct 16
Nickel cathode yuan/tonne	81,500	2.79% ▲	28 Oct 16
Tin ingot yuan/tonne	124,010	0%	28 Oct 16
Zinc yuan/tonne	19,125	4.77% ▲	28 Oct 16
Steel rebar month 1 yuan/tonne	2,398	-1.03% ▼	28 Oct 16
Steel rebar month 2 yuan/tonne	2,567	1.66% ▲	28 Oct 16
Steel rebar month 3 yuan/tonne	2,545	3.25% ▲	28 Oct 16
Weekly stocks deliverable			
Aluminium (tonnes)	85,714	0.86% ▲	28 Oct 16
Copper (tonnes)	102,548	-12.82% ▼	28 Oct 16
Nickel cathode (tonnes)	108,097	-1.52% ▼	28 Oct 16
Tin ingot (tonnes)	1,915	-8.77% ▼	28 Oct 16
Zinc (tonnes)	163,667	-0.98% ▼	28 Oct 16
Steel rebar (tonnes)	24,228	-37.76% ▼	28 Oct 16

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	1,701-1,701.5	5.24% ▲	28 Oct 16
Cash unofficial	1,686-1,688	5.17% ▲	27 Oct 16
3 months official	1,701-1,701.5	4.97% ▲	28 Oct 16
3 months unofficial	1,690-1,692	4.97% ▲	27 Oct 16
LME Tapo notional average price (NAP)	1,658.87	-0.19% ▼	27 Oct 16
LME stocks (tonnes)	2,143,500	-1.03% ▼	27 Oct 16
Aluminium alloy (A380.1/DIN/D12S) \$			
LME cash official	1,565-1,575	1.95% ▲	28 Oct 16
LME cash unofficial	1,546.5-1,556.5	0.98% ▲	27 Oct 16
LME 3 months official	1,580-1,590	1.93% ▲	28 Oct 16
LME 3 months unofficial	1,560-1,570	0.97% ▲	27 Oct 16
LME stocks (tonnes)	13,680	0%	27 Oct 16

Price Change Assessed

N. American special aluminium alloy

LME cash official	1,739.5-1,740	1.41% ▲	28 Oct 16
LME cash unofficial	1,729-1,739	0.58% ▲	27 Oct 16
LME 3 months official	1,745-1,750	1.16% ▲	28 Oct 16
LME 3 months unofficial	1,740-1,750	0.58% ▲	27 Oct 16
LME stocks (tonnes)	78,860	1.94% ▲	27 Oct 16

Copper grade A \$

LME cash official	4,786-4,787	3.24% ▲	28 Oct 16
LME cash unofficial	4,774.5-4,776.5	3.3% ▲	27 Oct 16
LME 3 months official	4,797-4,798	3.04% ▲	28 Oct 16
LME 3 months unofficial	4,782-4,784	3.03% ▲	27 Oct 16
LME Tapo notional average price (NAP)	4,724.24	-0.23% ▼	27 Oct 16
LME stocks (tonnes)	326,400	-5.88% ▼	27 Oct 16

Lead \$

LME cash official	2,047.5-2,048	1.93% ▲	28 Oct 16
LME cash unofficial	2,039.5-2,041.5	1.67% ▲	27 Oct 16
LME 3 months official	2,057-2,058	1.62% ▲	28 Oct 16
LME 3 months unofficial	2,052-2,054	1.73% ▲	27 Oct 16
LME stocks (tonnes)	189,150	-0.3% ▼	27 Oct 16

Nickel \$

LME cash official	10,335-10,340	3.48% ▲	28 Oct 16
LME cash unofficial	10,300-10,310	1.85% ▲	27 Oct 16
LME 3 months official	10,350-10,390	3.42% ▲	28 Oct 16
LME 3 months unofficial	10,335-10,345	1.75% ▲	27 Oct 16
LME stocks (tonnes)	361,710	-0.47% ▼	27 Oct 16

Tin \$

LME cash official	20,850-20,875	3.66% ▲	28 Oct 16
LME cash unofficial	20,610-20,635	3.24% ▲	27 Oct 16
LME 3 months official	20,590-20,600	3.69% ▲	28 Oct 16
LME 3 months unofficial	20,375-20,400	2.71% ▲	27 Oct 16
LME stocks (tonnes)	2,895	-2.2% ▼	27 Oct 16

Zinc special high grade \$

LME cash official	2,373.5-2,374	5.56% ▲	28 Oct 16
LME cash unofficial	2,342-2,344	2.99% ▲	27 Oct 16
LME 3 months official	2,374-2,374.5	4.92% ▲	28 Oct 16
LME 3 months unofficial	2,350-2,352	2.71% ▲	27 Oct 16
LME stocks (tonnes)	451,425	-0.77% ▼	27 Oct 16

Cobalt min 99.3%

LME cash official	28,250-28,500	1.34% ▲	28 Oct 16
LME 3 months official	28,000-28,500	0.89% ▲	28 Oct 16
LME stocks (tonnes)	625	0%	27 Oct 16

Molybdenum \$

LME cash official	14,750-15,250	0%	28 Oct 16
LME 3 months official	14,750-15,250	0%	28 Oct 16
LME stocks (tonnes)	0	0%	27 Oct 16

Steel billet

LME cash official	300-325	0%	28 Oct 16
LME cash unofficial	300-325	0%	27 Oct 16
LME 3 months official	300-325	0%	28 Oct 16
LME 3 months unofficial	300-325	0%	27 Oct 16
LME stocks (tonnes)	0	0%	27 Oct 16

† week-on-week change

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Gold \$/troy oz	Price	Change	Assessed
London morning	1,265.90	0.15% ▲	28 Oct 16
London afternoon	1,266.25	-0.42% ▼	27 Oct 16
Handy/Harman	1,266.25	-0.42% ▼	27 Oct 16
Silver per troy oz			
London spot pence	1,451.29	1.2% ▲	28 Oct 16
London spot cents	1,761	0.57% ▲	28 Oct 16
Handy/Harman	1,764.5	0.66% ▲	27 Oct 16
Palladium \$/troy oz			
London morning	620	-2.05% ▼	27 Oct 16
London afternoon	617	-2.68% ▼	27 Oct 16
Platinum \$/troy oz			
London morning	960	2.13% ▲	27 Oct 16
London afternoon	970	3.74% ▲	27 Oct 16
Kuala Lumpur tin market			
Tin \$/tonne	20,500	3.02% ▲	28 Oct 16
ICDX			
Tin PB300 settlement price \$/tonne	20,450	2.51% ▲	28 Oct 16
Tin PB300 volume, tonnes	59	47.5% ▲	28 Oct 16

RAND FIXING PRICES

Rand fixing prices per tonne for London Metal Exchange trade

	Price	Change [†]	Assessed
Copper	66,364.57	2.83% ▲	28 Oct 16
Aluminium	23,588.75	4.82% ▲	28 Oct 16
Lead	28,392.45	1.49% ▲	28 Oct 16
Zinc	32,911.95	5.15% ▲	28 Oct 16
Nickel	143,348.59	3.05% ▲	28 Oct 16
Tin	289,400.56	3.19% ▲	28 Oct 16

EXCHANGE RATES

	Price	Change [†]	Assessed
LME settlement conversion rates			
\$/£	1.2147	-0.48% ▼	28 Oct 16
\$/¥	105.3700	1.58% ▲	28 Oct 16
\$/€	1.0922	0.3% ▲	28 Oct 16
Closing rates, midpoint			
\$/£	1.2174	-0.56% ▼	27 Oct 16
\$/¥	105.0350	0.99% ▲	27 Oct 16
\$/€	1.0918	-0.07% ▼	27 Oct 16
£/€	1.1150	-0.49% ▼	27 Oct 16
\$/CNY	6.7779	0.57% ▲	27 Oct 16

BASE METALS ARBITRAGE

	Price	Change [†]	Assessed
Aluminium			
Import arbitrage, \$/tonne	54.32*	-222.95% ▼	28 Oct 16
Import arbitrage, RMB/tonne	369.07*	-223.35% ▼	28 Oct 16
Copper			
Import arbitrage, \$/tonne	-87.38*	78.25% ▲	28 Oct 16
Import arbitrage, RMB/tonne	-593.64*	78.8% ▲	28 Oct 16
Nickel			
Import arbitrage, \$/tonne	-513.79*	60.75% ▲	28 Oct 16
Import arbitrage, RMB/tonne	-3,490.75*	61.26% ▲	28 Oct 16
Zinc			
Import arbitrage, \$/tonne	-146.30*	-1.23% ▼	28 Oct 16
Import arbitrage, RMB/tonne	-994.00*	-0.92% ▼	28 Oct 16

MB BASE METAL PREMIUMS

All prices \$/tonne unless otherwise stated

*MB Copyright

	Price	Change [†]	Assessed
Copper			
Rotterdam, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne	40.0-50.0*	0%	26 Oct 16
Rotterdam, copper average premium, Grade A, cathode, in-warehouse \$/tonne	45.00*	0%	26 Oct 16
Leghorn, copper low-high premium, Grade A, cathode, cif, \$/tonne	60.0-70.0*	0%	24 Oct 16
Leghorn, copper average premium, Grade A, cathode, cif, \$/tonne	65.00*	0%	24 Oct 16
South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne	60.0-75.0*	-3.57% ▼	27 Oct 16
South Korea, copper average premium, Grade A, cathode, cif, \$/tonne	70.00*	0%	27 Oct 16
Singapore, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne	5.0-12.0*	13.33% ▲	27 Oct 16
Singapore, copper average premium, Grade A, cathode, in-warehouse, \$/tonne	9.00*	28.57% ▲	27 Oct 16
Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne	80.0-90.0*	3.03% ▲	28 Oct 16
Shanghai, copper average premium, Grade A, cathode, in-warehouse \$/tonne	82.00*	-1.2% ▼	28 Oct 16
Shanghai, copper low-high premium, Grade A, cathode, cif \$/tonne	75.0-90.0*	6.45% ▲	28 Oct 16
Shanghai, copper average premium, Grade A, cathode, cif \$/tonne	82.00*	1.23% ▲	28 Oct 16
Johor, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne	5.0-12.0*	13.33% ▲	27 Oct 16
Johor, copper average premium, Grade A, cathode, in-warehouse \$/tonne	9.00*	28.57% ▲	27 Oct 16
MB free market US: High-grade cathode premium indicator, \$/tonne	115.7-126.8*	0%	20 Oct 16
Aluminium			
Aluminium P1020A, in-whs Rotterdam duty unpaid, spot low-high, \$/tonne	80.0-85.0*	3.12% ▲	28 Oct 16
Aluminium P1020A, in-warehouse Rotterdam duty unpaid, spot weighted average, \$/tonne	82.50*	1.85% ▲	28 Oct 16
Aluminium P1020A, cif Korea (Gwangyang or Busan), spot low-high, \$/tonne	60.00-69.00*	0%	25 Oct 16
Aluminium P1020A, cif Korea (Gwangyang or Busan), spot weighted average, \$/tonne	63.00*	0%	25 Oct 16
Aluminium P1020A, in-warehouse Singapore, spot low-high, \$/tonne	5.0-10.0*	0%	25 Oct 16
Aluminium P1020A, in-warehouse Singapore, spot weighted average, \$/tonne	7.50*	0%	25 Oct 16
Aluminium P1020A, in-warehouse Johor, spot low-high, \$/tonne	5.0-10.0*	0%	25 Oct 16
Aluminium P1020A, in-warehouse Johor, spot weighted average, \$/tonne	7.50*	0%	25 Oct 16
Aluminium P1020A, cif Shanghai, spot low-high, \$/tonne	90.0-95.0*	23.33% ▲	25 Oct 16
Aluminium P1020A, cif Shanghai, spot weighted average, \$/tonne	90.00*	16.88% ▲	25 Oct 16
Aluminium P1020A, cif main Japanese ports, spot low-high, \$/tonne	65.0-70.0*	0%	25 Oct 16
Aluminium P1020A, cif main Japanese ports, spot weighted average, \$/tonne	68.00*	0%	25 Oct 16
Aluminium ingot ADC 12 spot, main Japanese ports, \$/tonne	1,690*	0%	25 Oct 16
Aluminium P1020A, in-warehouse Rotterdam duty-paid, spot \$/tonne	130.0-140.0*	0%	28 Oct 16
Aluminium P1020A, in-warehouse Rotterdam duty-paid, for delivery three months forward, \$/tonne	130.0-140.0*	0%	28 Oct 16

† week-on-week change

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	Price	Change	Assessed
Aluminium P1020A, cif main Japanese ports, quarterly, \$/tonne	75.0–75.0*	-18.03% ▼	04 Oct 16
Aluminium 6063 extrusion billet, in-whs Rotterdam duty-paid, spot \$/tonne	300.0–320.0*	-3.12% ▼	28 Oct 16
Aluminium P1020A, delivered US midwest, spot, \$/lb	0.068–0.073*	0%	26 Oct 16
Aluminium P1020A, delivered Sao Paulo region, spot, \$/tonne	160.0–240.0*	0%	27 Oct 16
Aluminium P1020A, cif Brazilian main ports duty-unpaid, spot, \$/tonne	120.0–140.0*	1.96% ▲	27 Oct 16
Aluminium 6063 + 6060 extrusion billet, cif Brazilian main ports, spot (premium over LME cash), \$/tonne	280.0–320.0*	0%	27 Oct 16
Aluminium extrusion billet premium 6063 cif Japan, yearly, \$/tonne	150.0–160.0*	0%	04 Apr 16
Lead			
Rotterdam, lead low-high premium, 99.97% purity, in-warehouse, \$/tonne	15.0–25.0*	0%	25 Oct 16
Rotterdam, lead average premium, 99.97% purity, in-warehouse, \$/tonne	20.00*	0%	25 Oct 16
Johor, lead low-high premium, 99.97% purity, in-warehouse, \$/tonne	20.0–20.0*	33.33% ▲	27 Oct 16
Johor, lead average premium, 99.97% purity, in-warehouse, \$/tonne	20.00*	33.33% ▲	27 Oct 16
MB Battery grade free market premium in-warehouse, €/tonne	90.0–120.0*	0%	25 Oct 16
USA lead premium 99.97%, delivered domestic, \$/lb	0.09–0.13*	-8.33% ▼	10 Oct 16
Nickel			
Shanghai, nickel low-high premium, 99.8% purity in-warehouse \$/tonne	80.0–140.0*	10%	27 Oct 16
Shanghai, nickel average premium, 99.8% purity in-warehouse \$/tonne	90.00*	0%	27 Oct 16
Shanghai, nickel low-high premium, 99.8% purity, full plate, cif \$/tonne	95.0–150.0*	22.5% ▲	27 Oct 16
Shanghai, nickel premium, 99.8% purity full plate, cif \$/tonne	105.00*	0%	27 Oct 16
Malaysia nickel 99.80% briquettes premium in-warehouse, \$/tonne	8–10*	38.46% ▲	26 Oct 16
Singapore nickel 99.80% briquettes premium in-warehouse, \$/tonne	8–10*	38.46% ▲	26 Oct 16
Malaysia nickel 99.80% full plate premium in-warehouse, \$/tonne	20–55*	7.14% ▲	26 Oct 16
Singapore nickel 99.80% full plate premium in-warehouse, \$/tonne	20–55*	7.14% ▲	26 Oct 16
uncut cathodes premium indicator	60.0–90.0*	0%	25 Oct 16
4x4 cathodes premium indicator	150.0–250.0*	0%	25 Oct 16
briquettes premium indicator	90.0–150.0*	0%	25 Oct 16
US: melting premium indicator \$/lb	0.150–0.200*	-2.78% ▼	19 Oct 16
Tin			
MB European free market			
Spot premium 99.9% \$/tonne	375–500*	0%	28 Oct 16
Spot premium 99.85% \$/tonne	325–350*	0%	28 Oct 16
United States New York spot, cents/lb	967–968	3.31% ▲	27 Oct 16
Zinc			
Rotterdam, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne	90.0–100.0*	0%	26 Oct 16
Rotterdam, zinc average premium, 99.995% purity, in-warehouse, \$/tonne	95.00*	0%	26 Oct 16
MB EU: Special high grade, fca Rotterdam, \$/tonne	125.0–145.0*	0%	26 Oct 16
South Korea, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne	90.0–90.0*	0%	27 Oct 16
South Korea, zinc average premium, 99.995% purity, in-warehouse, \$/tonne	90.00*	0%	27 Oct 16
Johor, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne	70.0–80.0*	3.45% ▲	27 Oct 16
Johor, zinc average premium, 99.995% purity, in-warehouse, \$/tonne	72.00*	2.86% ▲	27 Oct 16

	Price	Change	Assessed
Singapore, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne	70.0–80.0*	7.14% ▲	27 Oct 16
Singapore, zinc average premium, 99.995% purity, in-warehouse, \$/tonne	72.00*	2.86% ▲	27 Oct 16
Shanghai, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne	105.0–115.0*	4.76% ▲	27 Oct 16
Shanghai, zinc average premium, 99.995% purity, in-warehouse, \$/tonne	112.00*	3.7% ▲	27 Oct 16
MB US: Special high grade, \$/lb	0.060–0.070*	0%	27 Oct 16

BASE METALS

	Price	Change [†]	Assessed
Alumina			
MB Chinese free market, metallurgical grade, delivered duty paid RMB/tonne	2,500.0–2,700.0*	10.64% ▲	27 Oct 16
Alumina Index fob Australia	286.38*	5.68% ▲	27 Oct 16
Alumina Index fob Brazil	-0.66*		27 Oct 16
Alumina Index fob Brazil, inferred Brazil price \$ per dry metric ton	285.72*		27 Oct 16
Copper & Brass			
Producer premium			
Codelco: Contract 2016 Grade A cathode (average)	92.0	-17.86% ▼	04 Jan 16
Germany: (VDM) Electro, €/tonne			
wirebar (DEL):	4,404.3–4,433.6	2.09% ▲	26 Oct 16
cathodes:	4,320.0–4,410.0	1.51% ▲	26 Oct 16
South Africa: Palabora copper rod 7.90mm, Rand/tonne	75,414.390	0.93% ▲	03 Oct 16
Copper concentrate Asia-Pacific Index RC import, US cents/lb (twice monthly on 15th and last day of month)	10.07–10.07*	-0.49% ▼	14 Oct 16
Copper concentrate Asia-Pacific Index TC import, \$/dmt (twice monthly on 15th and last day of month)	100.70–100.70*	-0.49% ▼	14 Oct 16
Shanghai bonded copper stocks, tonnes	490,000–490,000*	-3.92% ▼	24 Oct 16
Nickel			
Nickel pig iron high grade NPI content 10–15% contract price delivered duty paid China RMB per nickel unit price	850.00–870.00*	0%	25 Oct 16
Nickel pig iron high grade NPI content 10–15% spot price China RMB per nickel unit price	850.00–865.00*	0%	25 Oct 16
Nickel ore			
Laterite ore with 1.5% nickel content cif China, \$/tonne	35–37*	1.41% ▲	25 Oct 16
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	51–52*	0.98% ▲	25 Oct 16
Lead			
Germany: (VDM) virgin soft, €/tonne	2,080.00–2,090.00	51% ▲	26 Oct 16
European automotive battery premium free market (Eurobat)			
in-warehouse Rotterdam €/tonne			
Soft lead (average)	155.48*	0.21% ▲	29 Sep 16
Ca/Ca grid grid lead (average)	418.77*	7.47% ▲	29 Sep 16
Connector lead (average)	574.97*	15.15% ▲	29 Sep 16
European industrial battery premium free market (Eurobat)			
in-warehouse Rotterdam €/tonne			
Stand-by refined or soft lead (average)	247.80*	4.76% ▲	29 Sep 16
Traction refined or soft lead (average)	250.48	5.7% ▲	29 Sep 16
<i>For an explanation of these premiums, see http://www.eurobat.org/statistics</i>			
Zinc			
Germany: (VDM) virgin, €/tonne	2,320.00–2,320.00	3.11% ▲	26 Oct 16
UK: Special high grade, delivered monthly average price £/tonne	1,950*	0.83% ▲	03 Oct 16

† week-on-week change

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PRECIOUS METALS			
	Price	Change [†]	Assessed
Iridium			
MB free market: min 99.9%, \$/troy oz in-warehouse	635-735*	-1.44% ▼	28 Oct 16
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	650	0%	28 Oct 16
Engelhard base price: \$/troy oz	675	0%	28 Oct 16
Palladium			
European free market: min 99.9%, \$/troy oz in-warehouse	610-620*	-1.76% ▼	28 Oct 16
Engelhard base price: \$/troy oz	620	-1.43% ▼	28 Oct 16
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	616	-2.07% ▼	28 Oct 16
Platinum			
European free market: min 99.9%, \$/troy oz in-warehouse	962-973*	3.81% ▲	28 Oct 16
Engelhard base price: \$/troy oz	973	4.62% ▲	28 Oct 16
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	971	3.96% ▲	28 Oct 16
Rhodium			
European free market: min 99.9%, \$/troy oz in-warehouse	650-750*	0%	28 Oct 16
Engelhard base price: \$/troy oz	725	1.4% ▲	28 Oct 16
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	715	0%	28 Oct 16
Ruthenium			
European free market: min 99.9%, \$/troy oz in-warehouse	36-46*	0%	28 Oct 16
Engelhard base price: \$/troy oz	42	0%	28 Oct 16
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	40	0%	28 Oct 16
MINOR METALS			
	Price	Change [†]	Assessed
Antimony			
MB free market Regulus, min 99.65%, max Se 50 ppm, max 100 ppm Bi, \$/tonne in-warehouse Rotterdam	7,500-7,800*	1.8% ▲	28 Oct 16
MMTA Standard Grade II, \$/tonne in-warehouse Rotterdam	7,400-7,700*	1.14% ▲	28 Oct 16
MB Chinese free market MMTA Standard Grade II, delivered duty paid RMB/tonne	47,500-49,000*	2.66% ▲	26 Oct 16
Arsenic			
MB free market \$/lb	1.00-1.35*	0%	28 Oct 16
Bismuth			
MB free market \$/lb	4.50-4.95*	0%	28 Oct 16
MB China domestic, min 99.99%, RMB/tonne	65,000-67,000*	-2.58% ▼	28 Oct 16
Cadmium			
MB free market min 99.95% cents/lb	56.00-62.00*	7.27% ▲	28 Oct 16
MB free market min 99.99% cents/lb	60.00-69.00*	11.21% ▲	28 Oct 16
Chromium			
MB free market alumino-thermic min 99% \$/tonne	6,750-7,050*	-3.5% ▼	28 Oct 16
Cobalt			
MB free market high-grade \$/lb	13.00-13.75*	0.19% ▲	28 Oct 16
MB free market low-grade \$/lb	12.70-13.45*	0.77% ▲	28 Oct 16
MB high-grade, weighted average of all confirmed international trades, \$/lb	13.55*	2.42% ▲	28 Oct 16
MB low-grade, weighted average of all confirmed international trades, \$/lb	12.75*	-1.16% ▼	28 Oct 16
MB China domestic, min 99.8% RMB/tonne	212,000-221,000*	0.93% ▲	28 Oct 16
Cobalt tetroxide min 72.6% Co delivered China RMB/tonne	155,000-160,000*	3.96% ▲	28 Oct 16

	Price	Change	Assessed
Gallium			
MB free market \$/kg	120-140*	0%	28 Oct 16
MB China domestic, min 99.99%, RMB/kg	790-840*	1.88% ▲	26 Oct 16
Germanium			
Germanium dioxide MB free market \$/kg	610-710*	1.54% ▲	28 Oct 16
Germanium metal \$/kg Rotterdam	850-1,000*	0%	28 Oct 16
Germanium metal MB China domestic, min 99.999%, RMB/kg	6,000-6,500*	0.81% ▲	26 Oct 16
Hafnium			
Hafnium 1% Zr max, in-warehouse global locations, \$/kg	1,000-1,100*	0%	28 Oct 16
Indium			
MB free market \$/kg	200-245*	0%	28 Oct 16
MB China domestic, min 99.99% RMB/kg	1,140-1,160*	-1.29% ▼	26 Oct 16
Indium Corp ingots min 99.97% \$/kg fob	440.00	-40.94% ▼	26 Jun 15
Magnesium			
European free market \$ per tonne	2,350-2,450*	0%	28 Oct 16
China free market min 99.8% Mg, fob China main ports, \$ per tonne	2,400-2,420*	1.26% ▲	26 Oct 16
MB Chinese free market min 99% Mg, ex-works RMB/tonne	15,900-16,300*	3.54% ▲	26 Oct 16
Manganese flake			
MB free market \$/tonne	1,900-1,970*	0%	28 Oct 16
Mercury			
MB free market \$ per flask	940-1,250*	0%	28 Oct 16
Rhenium in-warehouse Rotterdam duty paid			
Metal pellets, min 99.9% \$/lb	770-900*	0%	28 Oct 16
APR catalytic grade \$/kg Re	2,350-2,600*	0%	28 Oct 16
Selenium			
MB free market \$/lb	8.00-9.50*	-5.41% ▼	28 Oct 16
MB China domestic, min 99.9%, RMB/kg	130-150*	-3.45% ▼	28 Oct 16
Selenium dioxide, MB China domestic, min 98%, RMB/kg	78-83*	0%	28 Oct 16
Silicon			
MB free market €/tonne	1,600-1,700*	0%	28 Oct 16
US free market cents/lb	88-92*	0.56% ▲	10 Oct 16
Export from mainland China min 98.5%, \$/tonne fob	1,420-1,440*	1.06% ▲	26 Oct 16
Tellurium			
MB free market \$/kg	25.00-40.00*	0%	28 Oct 16
MB China domestic, min 99.99%, RMB/kg	250-265*	0%	28 Oct 16
Titanium			
MB free market ferro-titanium 70% (max 4.5% Al) \$/kg Ti d/d Europe	3.10-3.30*	-0.78% ▼	28 Oct 16
Titanium ores \$/tonne			
Rutile conc min 95% TiO ₂ bagged, fob/Aus	750-800	0%	27 Oct 16
Rutile bulk conc min 95% TiO ₂ fob/Aus	700-750	0%	27 Oct 16
Ilmenite bulk conc min 54% TiO ₂ fob/Aus	100-110	0%	27 Oct 16

† week-on-week change

continued >>

NOBLE ALLOYS & ORES			
	Price	Change†	Assessed
Molybdenum molybdc oxide			
Europe drummed molybdc oxide \$/lb Mo	6.35–6.50*	-1.15%	▼ 28 Oct 16
US canned molybdc oxide \$/lb Mo	6.50–6.70*	-4%	▼ 27 Oct 16
Ferro-molybdenum			
Basis 65% min, in-warehouse Rotterdam \$/kg Mo	16.30–16.50*	-0.3%	▼ 28 Oct 16
US free market 65–70% Mo \$/lb in-warehouse Pittsburgh	7.75–8.10*	-1.25%	▼ 27 Oct 16
MB Chinese free market concentrate 45% Mo in-warehouse China RMB/mtu	950–970*	3.78%	▲ 26 Oct 16
Tungsten			
European free market APT \$/mtu	195–199*	1.55%	▲ 28 Oct 16
Export from mainland China APT Chinese No1 grade, min 88.5% W03, \$/mtu fob	195–198*	1.55%	▲ 26 Oct 16
MB Chinese free market concentrate 65% W03 in-warehouse China RMB/tonne	73,000–75,000*	3.5%	▲ 26 Oct 16
Ferro-tungsten			
Basis 75% W min \$/kg W in-warehouse Rotterdam duty unpaid	25.90–26.40*	1.16%	▲ 28 Oct 16
China export min 75% \$/kg W, fob China	26.10–26.40*	0.96%	▲ 26 Oct 16
Vanadium			
Ferro-vanadium basis 78% min, free delivery duty paid consumer plant, 1st grade, Western Europe \$/kg V	22.00–23.00*	9.76%	▲ 28 Oct 16
US free market ferro-vanadium \$/lb in-warehouse Pittsburgh	10.00–10.50*	7.89%	▲ 27 Oct 16
Vanadium pentoxide min 98%, in-warehouse Rotterdam \$ per lb V205	4.10–4.50*	6.83%	▲ 28 Oct 16
Zircon			
Foundry grade bulk \$/tonne fob Australia	950–1,000	0%	27 Oct 16
Premium bulk \$/tonne fob Australia	1,000–1,050	0%	27 Oct 16
BULK ALLOYS			
	Price	Change†	Assessed
Ferro-chrome \$/lb Cr			
China import charge chrome 50% Cr index, cif Shanghai, duty unpaid	1.07*	12.63%	▲ 28 Oct 16
Lumpy Cr charge basis 52% Cr (and high carbon) quarterly	1.1*	12.24%	▲ 26 Sep 16
6–8% C basis 60% Cr max 1.5% Si	0.95–1.02*	7.65%	▲ 28 Oct 16
0.10% C average 60–70% Cr	1.85–1.90*	-0.53%	▼ 21 Oct 16
European low carbon in-warehouse 0.06% C max – 65% Cr	1.90–1.98*	0%	21 Oct 16
Low phosphorous Cr min 65% C max 7% Si max 1% p max 0.015% Ti max 0.05%	0.90–0.99*	0%	21 Oct 16
Japan import 8–9% C, basis 60% Cr, cif Japan, duty unpaid \$/lb contained chrome	1.00–1.05*	13.89%	▲ 27 Oct 16
US free market in-warehouse Pittsburgh 6–8% C basis 60–65% Cr max 2% Si	0.870–0.920*	1.13%	▲ 27 Oct 16
US free market low carbon duty paid fob Pittsburgh			
0.05% C – 65% min Cr	2.06–2.10*	0%	27 Oct 16
0.10% C – 62% min Cr	1.76–1.82*	0.28%	▲ 27 Oct 16
0.15% C – 60% min Cr	1.73–1.75*	0%	27 Oct 16
Spot 6–8% C basis 50% Cr delivered duty paid China RMB/tonne	8,500–9,300*	2.3%	▲ 28 Oct 16
Contract 6–8% C basis 50% Cr delivered duty paid China RMB/tonne	6,850–7,300*	0%	28 Oct 16

	Price	Change	Assessed
Chrome ore \$/tonne			
<i>Chrome ore cif main Chinese ports</i>			
South African UG2 chrome ore concs, basis 42%	300–330*	7.69%	▲ 28 Oct 16
Turkish lumpy 40–42% cfr main Chinese ports	330–370*	4.48%	▲ 28 Oct 16
Ferro-manganese			
basis 78% Mn (scale pro rata) standard 7.5% C €/tonne	770–820*	0.63%	▲ 28 Oct 16
US free market 78% Mn standard 7.5% C \$/long ton in-warehouse Pittsburgh	840–880*	0.58%	▲ 27 Oct 16
US free market medium carbon duty paid fob Pittsburgh, 80% min Mn 1.5% max C \$/lb	0.78–0.81*	0%	27 Oct 16
MB Chinese free market min 65% Mn max 7.0% C in-warehouse China RMB/tonne	7,300–7,500*	15.62%	▲ 28 Oct 16
Manganese ore			
44% Mn, cif Tianjin \$/dmu of metal contained	7.90*	7.05%	▲ 28 Oct 16
37% Mn, fob Port Elizabeth \$/dmu of metal contained	6.75*	1.81%	▲ 28 Oct 16
Ferro-silicon			
Lumpy basis 75% Si (scale pro rata) €/tonne	920–975*	0%	28 Oct 16
US free market \$/lb in-warehouse Pittsburgh lumpy basis 75% Si – imported	0.70–0.73*	0.7%	▲ 27 Oct 16
Export from mainland China, min 75% Si, 7.5% C, \$/tonne, fob	1,150–1,170*	9.43%	▲ 28 Oct 16
MB Chinese free market min 75% in-warehouse China RMB/tonne	5,600–5,900*	9.52%	▲ 28 Oct 16
Silico-manganese			
Lumpy basis 65–75% Mn basis 15–19% Si (scale pro rata) €/tonne	790–825*	0%	28 Oct 16
US free market \$/lb in-warehouse Pittsburgh	0.43–0.45*	3.53%	▲ 27 Oct 16
MB Chinese free market min 65% Mn max 17% Si in-warehouse China RMB/tonne	7,500–7,800*	6.25%	▲ 28 Oct 16
65% min Mn 16% min Si \$/tonne fob India	970–1,025*	2.31%	▲ 28 Oct 16

† 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	400–410*	0%	26 Oct 16
Wire rod (mesh quality)	400–425*	0%	26 Oct 16
Plate (8–40mm)	420–440*	0%	26 Oct 16
Hot rolled coil	430–440*	0%	26 Oct 16
Cold rolled coil	520–530*	0%	26 Oct 16
Hot-dip galvanized coil	500–520*	0%	26 Oct 16
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	360–365*	0%	26 Oct 16
Wire rod (mesh quality)	370–375*	0%	26 Oct 16
Plate (8–40mm)	400–410*	0%	26 Oct 16
Hot rolled coil	430–440*	0%	26 Oct 16
Cold rolled coil	530–550*	0%	26 Oct 16
Hot-dip galvanized coil	445–460*	0%	26 Oct 16
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	330–350*	1.49% ▲	26 Oct 16
Wire rod (mesh quality)	345–355*	0%	26 Oct 16
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	405–410*	1.88% ▲	26 Oct 16
Wire rod (mesh quality)	440–450*	0%	26 Oct 16
Sections (medium)	495–520*	0%	26 Oct 16
Beams	480–495*	0.52% ▲	26 Oct 16
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	340–345*	1.48% ▲	26 Oct 16
Wire rod (mesh quality)	350–355*	0%	26 Oct 16
Sections (medium)	450–490*	1.62% ▲	26 Oct 16
Beams	465–490*	0%	26 Oct 16
Central Europe domestic € per tonne ex-works			
Hot rolled coil	420–425*	1.2% ▲	26 Oct 16
Poland domestic zloty per tonne ex-works			
Rebar	1,660–1,680*	0.6% ▲	28 Oct 16
Northern Europe € per tonne ex-works			
Plate (8–40mm)	510–530*	0%	26 Oct 16
Hot rolled coil	440–460*	0%	26 Oct 16
Cold rolled coil	540–550*	–0.91% ▼	26 Oct 16
Hot-dip galvanized coil	550–570*	0%	26 Oct 16
Beams	465–480*	0.53% ▲	26 Oct 16
Hollow sections	480–505*	0%	26 Oct 16
Southern Europe € per tonne ex-works			
Plate (8–40mm)	430–450*	0%	26 Oct 16
Hot rolled coil	430–440*	1.16% ▲	26 Oct 16
Cold rolled coil	520–535*	0%	26 Oct 16
Hot-dip galvanized coil	510–540*	0%	26 Oct 16
Beams	450–475*	0%	26 Oct 16
Hollow sections	435–475*	1.68% ▲	26 Oct 16

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	350–360*	0%	26 Oct 16

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	325–331*	2.98% ▲	24 Oct 16
Slab	345–350*	3.73% ▲	24 Oct 16
Rebar	375–377*	5.92% ▲	24 Oct 16
Wire rod (mesh)	380–385*	4.08% ▲	24 Oct 16
Heavy plate (10–50mm)	390–408*	0.38% ▲	24 Oct 16
Hot rolled coil	405–415*	3.14% ▲	24 Oct 16
Cold rolled coil	463–465*	4.27% ▲	24 Oct 16
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	30,500–30,550*	0%	24 Oct 16
Hot rolled sheet	34,900–34,950*	0%	24 Oct 16
Cold rolled sheet	41,000–41,800*	0.91% ▲	24 Oct 16
Plate	33,300–33,350*	0.68% ▲	24 Oct 16

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	350–360*	5.19% ▲	27 Oct 16
Rebar	380–390*	0%	27 Oct 16
Wire rod (mesh quality)	400–410*	0.62% ▲	27 Oct 16
Merchant bars	420–430*	4.94% ▲	27 Oct 16
Structural pipe	450–470*	0%	12 Oct 16
Hot rolled coil	450–460*	2.25% ▲	28 Oct 16
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	350–370*	5.11% ▲	27 Oct 16
Rebar	390–405*	2.85% ▲	27 Oct 16
Wire rod (mesh quality)	420–430*	3.03% ▲	27 Oct 16
Hot rolled coil	460–465*	3.93% ▲	28 Oct 16
Cold rolled coil	580–590*	3.54% ▲	28 Oct 16
Hot dip galvanized	630–660*	0%	28 Oct 16
Prepainted galvanized	760–775*	0.66% ▲	28 Oct 16
Turkish imports			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr main Turkish port</i>			
Billet	340–350*	0.29% ▲	27 Oct 16
Hot rolled coil	440–450*	2.89% ▲	28 Oct 16
Cold rolled coil	485–500*	0%	28 Oct 16
UAE imports			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr Jebel Ali</i>			
Billet	350–355*	2.92% ▲	25 Oct 16
Rebar	380–390*	1.99% ▲	25 Oct 16
Hot rolled coil	420–435*	1.79% ▲	25 Oct 16
Cold rolled coil	480–490*	1.57% ▲	25 Oct 16
Hot dip galvanized coil	560–600*	0.87% ▲	25 Oct 16

† week-on-week change

	Price	Change	Assessed
Saudi Arabia imports			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr</i>			
Rebar	385–390*	2.65% ▲	25 Oct 16
Hot rolled coil	410–430*	3.7% ▲	25 Oct 16
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	1,451–1,460*	0.17% ▲	25 Oct 16
Iran domestic			
<i>Metal Bulletin's appraisal of prices within Iran for commercial-quality carbon steel of Iranian origin, million rials per tonne delivered warehouse Tehran</i>			
Billet	13.20–13.50*	–0.37% ▼	26 Oct 16
Rebar (12–25mm)	15.10–15.50*	–0.33% ▼	26 Oct 16
Plate	18.00–19.35*	0.67% ▲	26 Oct 16
Hot rolled coil	18.40–19.00*	–0.27% ▼	26 Oct 16
Cold rolled coil	20.00–22.50*	0.47% ▲	26 Oct 16
Hot-dip galvanized coil	23.20–25.10*	–0.41% ▼	26 Oct 16
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>			
Billet	350–360*	0%	26 Oct 16
Rebar	400–410*	0%	26 Oct 16
Cold rolled coil	450–465*	–1.61% ▼	26 Oct 16
Hot rolled coil	410–420*	–2.35% ▼	26 Oct 16
Plate	400–420*	–1.2% ▼	26 Oct 16
Hot dip galvanized coil	530–540*	1.9% ▲	26 Oct 16
Prepainted galvanized	590–600*	0.85% ▲	26 Oct 16
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	7,250–7,350*	20.28% ▲	27 Oct 16
Egyptian import			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr main port</i>			
Billet	360–380*	6.78% ▲	27 Oct 16
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	315–320*	0%	28 Oct 16
Slab	335–345*	0%	28 Oct 16
Rebar	380–390*	0.65% ▲	28 Oct 16
Wire rod mesh quality	380–390*	0.65% ▲	28 Oct 16
Heavy plate over 10mm	400–425*	0%	28 Oct 16
Hot rolled coil (dry)	390–395*	0%	28 Oct 16
Cold rolled coil	525–545*	0%	28 Oct 16
Galvanized coil	705–710*	0%	28 Oct 16
South America imports			
<i>Metal Bulletin's appraisal of cfr prices for imported, commercial-quality carbon steel, \$ per tonne cfr main ports</i>			
Plate	405–410*	3.16% ▲	28 Oct 16
Hot rolled coil	420–430*	1.19% ▲	28 Oct 16
Cold rolled coil	475–500*	1.04% ▲	28 Oct 16
Galvanized coil	575–580*	1.32% ▲	28 Oct 16

	Price	Change	Assessed
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	595–605*	0%	07 Oct 16
Cold rolled coil	715–725*	0%	07 Oct 16
Galvanized coil	985–1,070*	0%	07 Oct 16
Rebar	800–820*	0%	07 Oct 16
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	2,805–3,015*	0%	07 Oct 16
Cold rolled coil	3,110–3,210*	0%	07 Oct 16
Hot dip galvanized coil	3,510–3,655*	0%	07 Oct 16
<i>Metal Bulletin's appraisal of prices within Brazil for commercial-quality carbon steel, Reais per tonne delivered</i>			
Rebar	2,905–3,045*	0%	07 Oct 16
Peru domestic Nuevos Soles per tonne ex-works			
<i>Metal Bulletin's appraisal of prices within Peru for commercial-quality carbon steel, Peruvian Nuevos Soles per tonne</i>			
Rebar	2,315–2,655*	0%	07 Oct 16

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	358–363*	1.55% ▲	19 Oct 16
Merchant bars	520–540*	–3.64% ▼	30 Sep 16
Wire rod (low carbon)	386–395*	3.03% ▲	26 Oct 16
Medium sections	480–520*	0%	27 Oct 16
Medium plate	465–480*	–2.07% ▼	19 Oct 16
Hot rolled coil (commodity)	440–460*	–4.26% ▼	19 Oct 16
Cold rolled coil	580–620*	2.56% ▲	19 Oct 16
Hot dipped galvanized 0.012–0.015, G30	670–700*	2.24% ▲	19 Oct 16
Hot dipped galvanized 0.019, G60	660–700*	1.87% ▲	19 Oct 16
ERW linepipe (X42)	600–600*	0%	25 Oct 16
OCTG API5CT – casing J/K55	690–690*	4.55% ▲	25 Oct 16
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)	460–480*	–4.08% ▼	19 Oct 16
Wire rod (mesh quality fob mill)	420–440*	–4.44% ▼	26 Oct 16
Plate (fob mill)	470–470*	0%	21 Oct 16
Hot rolled sheet (fob mill)	470–470*	0%	27 Oct 16
Cold rolled sheet (fob mill)	690–690*	0%	27 Oct 16
Hot-dip galvanized (base) Midwest (fob mill)	690–690*	0%	27 Oct 16
ERW linepipe (X42) (fob mill)	810–810*	0%	25 Oct 16
OCTG API5CT – casing J/K55 (fob mill)	820–820*	–3.53% ▼	25 Oct 16
<i>AMM's appraisal of prices within the USA for commercial-quality carbon steel of US or Canadian origin, \$ per hundredweight, delivery terms as indicated</i>			
Merchant bar 3 x 3 1/4 angle (fob mill)	30.50–30.50*	–4.98% ▼	30 Sep 16

† week-on-week change

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	355–360*	1.42%	▲ 28 Oct 16
Wire rod (mesh quality)	365–370*	1.38%	▲ 28 Oct 16
Heavy plate	385–390*	2.65%	▲ 28 Oct 16
Hot rolled coil	410–420*	4.67%	▲ 28 Oct 16
Cold rolled coil	480–485*	7.82%	▲ 28 Oct 16
Galvanized coil 1mm	570–575*	4.57%	▲ 28 Oct 16
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	2,480–2,520*	1.42%	▲ 28 Oct 16
Wire rod (mesh)	2,570–2,600*	1.17%	▲ 28 Oct 16
Sections	2,830–2,860*	1.97%	▲ 28 Oct 16
Plate	2,820–2,850*	0.53%	▲ 28 Oct 16
Hot rolled coil (min 2mm)	2,970–2,990*	3.11%	▲ 28 Oct 16
Cold rolled coil (0.5 – 2 mm)	3,780–3,810*	3.27%	▲ 28 Oct 16
Hot-dip galvanized coil	4,310–4,420*	1.39%	▲ 28 Oct 16
Northern China domestic			
<i>Metal Bulletin's appraisal of prices in northern China for commercial-quality carbon steel of Chinese origin (Tangshan), yuan per tonne ex-works</i>			
Billet	2,270–2,270*	2.25%	▲ 28 Oct 16
<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	2,860–2,890*	0.52%	▲ 28 Oct 16
Rebar	2,390–2,440*	0.42%	▲ 28 Oct 16
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	2,850–2,880*	4.18%	▲ 28 Oct 16
Wire rod (mesh)	2,780–2,800*	3.91%	▲ 28 Oct 16
Sections	2,950–2,980*	1.72%	▲ 28 Oct 16
Plate	2,780–2,830*	1.63%	▲ 28 Oct 16
Hot rolled coil (min 2mm)	2,990–3,010*	2.21%	▲ 28 Oct 16
Cold rolled coil (0.5 – 2 mm)	3,830–3,900*	2.66%	▲ 28 Oct 16
Hot-dip galvanized coil	4,400–4,480*	0.57%	▲ 28 Oct 16
Southeast Asia imports			
<i>Metal Bulletin's appraisal of prices in Southeast Asia for commercial-quality carbon steel & per tonne cfr</i>			
Billet	345–355*	1.45%	▲ 24 Oct 16
Slab (Asia/East Asia)	345–355*	1.45%	▲ 24 Oct 16
Hot rolled coil (Vietnam)	420–430*	3.91%	▲ 24 Oct 16
Rebar (Singapore)	345–350*	2.96%	▲ 24 Oct 16
Wire rod (low carbon)	370–380*	1.35%	▲ 24 Oct 16
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	330–335*	0%	28 Oct 16
Plate (12–40mm)	410–420*	0%	28 Oct 16
Hot rolled coil (commodity)	435–445*	0%	28 Oct 16
Hot-dip galvanized coil	730–740*	0%	28 Oct 16
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)	420–425*	1.2%	▲ 28 Oct 16
Hot rolled coil (commodity)	440–445*	3.51%	▲ 28 Oct 16
Hot rolled coil (CR grade)	445–450*	4.68%	▲ 28 Oct 16
Cold rolled	520–525*	7.18%	▲ 28 Oct 16

Price Change Assessed

Indian domestic

Metal Bulletin's appraisal of prices within India for commercial-quality carbon steel, rupees per tonne ex-works

Billet	21,000–21,100*	–1.41%	▼ 28 Oct 16
Heavy plate	32,000–32,500*	0%	28 Oct 16
Hot rolled coil	33,500–34,000*	0%	28 Oct 16
Cold rolled coil	37,500–38,000*	0%	28 Oct 16
DRI	14,100–14,300*	–0.7%	▼ 28 Oct 16
Hot-dip galvanized coil	42,500–43,500*	0%	28 Oct 16
Rebar	22,400–22,500*	0%	28 Oct 16

STEELBENCHMARKER™ PRICES

Region: USA east of the Mississippi	Price	Change [†]	Assessed
Standard plate (\$/metric tonne)	612	–3.47%	▼ 24 Oct 16
Standard plate (\$/short ton)	556	–3.3%	▼ 24 Oct 16
Hot rolled coil (\$/metric tonne)	546	–4.04%	▼ 24 Oct 16
Hot rolled coil (\$/short ton)	496	–3.88%	▼ 24 Oct 16
Cold rolled coil (\$/metric tonne)	757	–2.57%	▼ 24 Oct 16
Cold rolled coil (\$/short ton)	686	–2.7%	▼ 24 Oct 16
Region: Mainland China			
Rebar	323	3.86%	▲ 24 Oct 16
Standard plate	345	2.99%	▲ 24 Oct 16
Hot rolled coil	361	2.56%	▲ 24 Oct 16
Cold rolled coil	464	2.65%	▲ 24 Oct 16
Region: World export market			
Hot rolled coil (\$/metric tonne)	417	4.51%	▲ 24 Oct 16

STAINLESS STEEL

	Price	Change [†]	Assessed
Asia import			
\$/tonne cif East Asian port			
Grade 304 2mm CR coil 2B	1,980–2,010*	3.64%	▲ 28 Oct 16
Grade 304 HR sheet	1,880–1,910*	2.16%	▲ 28 Oct 16
China domestic			
yuan/tonne, in-warehouse			
Grade 304 2mm CR coil	14,700–14,900*	7.44%	▲ 28 Oct 16
Grade 430 2mm CR coil	8,400–8,500*	4%	▲ 28 Oct 16
EU export			
€/tonne fob N. European port			
Min 100 tonne lot			
Grade 304 2mm CR sheet	2,119–2,221*	4.08%	▲ 28 Oct 16
EU domestic			
2mm 304 cold rolled stainless sheet, €/tonne			
N. Europe Base price	1,080–1,120*	0%	28 Oct 16
Alloy surcharge	1,039–1,101*	8.63%	▲ 28 Oct 16
2mm 316 cold rolled stainless sheet, €/tonne			
Base price	1,400–1,420*	0%	28 Oct 16
Alloy surcharge	1,469–1,571*	6.41%	▲ 28 Oct 16
304 stainless steel bright bar, €/tonne			
Base price	900–920*	0%	28 Oct 16
Alloy surcharge	1,280–1,340*	5.09%	▲ 28 Oct 16
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	87–87*	–4.42%	▼ 06 Oct 16
Grade 316 coiled plate	119–119*	–3.27%	▼ 06 Oct 16
Grade 304 cold rolled sheet	103–103*	–3.74%	▼ 06 Oct 16
Grade 316L cold rolled sheet	137–137*	–2.84%	▼ 06 Oct 16
Raw materials index			
EU domestic stainless steel \$ per tonne			
304 Europe raw materials index	1,117.54*	–2.17%	▼ 24 Oct 16

continued >>

CHINA IRON ORE				
<i>cfr main China port \$ per dry metric tonne</i>				
	Price	Change†	Assessed	
Iron ore index (62% Fe)	63.96*	8.92%	▲	28 Oct 16
Iron ore pellet index cfr Qingdao (65% Fe)	96.85*	4.31%	▲	28 Oct 16
Iron ore concentrate index cfr Qingdao (66% Fe)	78.78*	6.06%	▲	28 Oct 16
Metal Bulletin Indicator for US\$/% Fe in iron ore fines cfr Qingdao	0.90*	-10%	▼	03 Oct 16

IRAN IRON ORE				
<i>cfr China US \$ per tonne</i>				
	Price	Change†	Assessed	
Iron ore fines index (60% Fe)	53.30–53.30*	2.42%	▲	26 Oct 16

COKING COAL				
<i>\$ per metric tonne</i>				
	Price	Change†	Assessed	
Premium hard coking coal cfr China	258.09–258.09*	7.31%	▲	28 Oct 16
Hard coking coal cfr China	224.23–224.23*	3.46%	▲	28 Oct 16
Premium hard coking coal fob Australia	251.16–251.16*	4%	▲	28 Oct 16
Hard coking coal fob Australia	215.68–215.68*	2.81%	▲	28 Oct 16
China hard coking coal Shanxi spot market domestic delivered yuan/tonne	1,400–1,520*	2.1%	▲	28 Oct 16
65% CSR coke \$/tonne fob Tianjin	280–285*	2.73%	▲	25 Oct 16

FERROUS SCRAP

	Price	Change†	Assessed	
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UK ferrous scrap domestic

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.

£/tonne

Cut grades

0A plate and structural	125–135*	-3.7%	▼	11 Oct 16
1&2 old steel	100–110*	-4.55%	▼	11 Oct 16
12A/C new production heavy and shovellable steel	125–135*	-3.7%	▼	11 Oct 16
12D new production heavy and shovellable steel	130–140*	-3.57%	▼	11 Oct 16

Bales and cuttings

4A new steel bales	130–140*	-3.57%	▼	11 Oct 16
4C new steel bales	125–135*	-3.7%	▼	11 Oct 16
8A new loose light cuttings	120–130*	-3.85%	▼	11 Oct 16
8B new loose light cuttings	105–115*	-4.35%	▼	11 Oct 16

Turnings

UK inter-merchant 7B heavy steel turnings	80–90*	-5.56%	▼	11 Oct 16
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Cast iron

9A/10 heavy and light cast iron	105–115*	-4.35%	▼	11 Oct 16
9B/C cylinder block scrap	125–135*	-3.7%	▼	11 Oct 16
11A cast iron borings	70–85*	-6.06%	▼	11 Oct 16

Prices relate to new UK scrap specifications

Please see MB.com for full explanation of price changes

UK intermerchant weekly price

£/tonne

5C loose old light	50–70*	0%		28 Oct 16
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UK ferrous scrap export

MB assessment \$/tonne cfr main UK port

HMS 1&2 (80:20 mix)	213–219*	3.85%	▲	28 Oct 16
Shredded	218–224*	3.76%	▲	28 Oct 16

Indian imports

MB assessment \$/tonne cfr Nhava Sheva

MB index cfr India shredded	240.79*	3.4%	▲	28 Oct 16
HMS 1&2 (80:20 mix)	218–225*	1.84%	▲	28 Oct 16

	Price	Change	Assessed	
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Alloy steel scrap domestic

UK wholesale merchants' stainless (£/tonne)

18/8 solids	800–830*	3.16%	▲	28 Oct 16
18/8 turnings	680–705*	2.97%	▲	28 Oct 16
12–13% Cr solids	95–120*	0%		28 Oct 16
16–17% Cr solids	130–150*	0%		28 Oct 16

Cif Europe stainless € per tonne

18/8 solids	970–980*	0.52%	▲	28 Oct 16
18/8 turnings	870–880*	2.34%	▲	28 Oct 16

Rotterdam export

MB assessment \$/tonne fob Rotterdam

MB index fob Rotterdam HMS 1&2 (80:20)	214.93*	4.14%	▲	28 Oct 16
HMS 1&2 (70:30 mix)	208–213*	4.21%	▲	28 Oct 16
Shredded	222–228*	3.69%	▲	28 Oct 16

Turkish import

MB assessment \$/tonne cfr main Turkish ports

MB index cfr Turkey HMS 1&2 (80:20) (North Europe material)	228.96*	3.69%	▲	28 Oct 16
MB index cfr Turkey HMS 1&2 (80:20) (United States material)	236.38*	3.67%	▲	28 Oct 16
HMS 1&2 (75:25 mix)	221–226*	3.95%	▲	28 Oct 16
Shredded	235–241*	3.48%	▲	28 Oct 16

Turkish domestic

MB assessment delivered

Melting scrap from shipbreaking (\$/tonne)	235.00–236.00*	6.8%	▲	24 Oct 16
Auto bundle scrap (Turkish lira/tonne)	645.00–695.00*	7.2%	▲	24 Oct 16

USA export

AMM ferrous scrap export index \$/tonne East Coast fob New York

HMS 1&2 (80:20)	217.40*	2.07%	▲	26 Oct 16
Shredded	222.19*	1.92%	▲	26 Oct 16

USA domestic

AMM Midwest index \$/gross ton delivered mill

No1 heavy melting scrap	182.00*	-9.7%	▼	10 Oct 16
No1 busheling	203.81*	-12.93%	▼	10 Oct 16
Shredded	201.48*	-8.08%	▼	10 Oct 16

China domestic

yuan/tonne delivered mill

Heavy scrap	1,600–1,640*	0%		28 Oct 16
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Taiwan import

\$/tonne cfr main port

HMS 1&2 (80:20 mix) (USA material)	205–215*	7.14%	▲	28 Oct 16
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Germany domestic

€/tonne composite sales price ex-yard, source: BDSV

No E2/8 (new steel scrap)	155.50	-4.19%	▼	03 Oct 16
No E1 (old steel scrap)	143.90	-4.45%	▼	03 Oct 16
No E3 (old thick steel scrap)	157.80	-4.19%	▼	03 Oct 16
No E40 (shredded steel scrap)	162.10	-5.09%	▼	03 Oct 16
No E5 (steel turnings)	121.40	-5.3%	▼	03 Oct 16

MB assessment €/tonne delivered at mill

Grade E40 (shredded steel scrap)	170–183	-5.87%	▼	18 Oct 16
No E8 (thin new production steel scrap)	175–180	-2.74%	▼	18 Oct 16
No E3 scrap	165–180	-5.48%	▼	18 Oct 16

Italy domestic

MB assessment €/tonne delivered at mill

No E3 (old thick scrap)	170.00	-1.39%	▼	20 Oct 16
No E8 (thin new production steel)	180.00	-5.13%	▼	20 Oct 16

† week-on-week change

continued >>

SCRAP SUBSTITUTES

	Price	Change [†]	Assessed
EU imports \$/tonne			
Pig iron imports cif Italy	270–275*	6.03%	▲ 27 Oct 16
Latin American exports \$/tonne, delivery terms as stated			
Hot briquetted iron Venezuela	180–200*	0%	28 Oct 16
Pig iron fob Vitoria/Rio	245–250*	6.45%	▲ 28 Oct 16
Pig iron fob Ponta da Maderia	270–275*	3.81%	▲ 28 Oct 16
US imports \$/tonne cfr Gulf of Mexico			
Pig iron	285–290*	3.6%	▲ 28 Oct 16
CIS exports \$/tonne fob main port			
Pig iron Baltic Sea	290–300*	1.9%	▲ 27 Oct 16
Pig iron Black Sea	260–270*	7.72%	▲ 27 Oct 16
China domestic yuan/tonne delivered warehouse			
Pig iron	2,140–2,250*	6.04%	▲ 28 Oct 16

NON-FERROUS SCRAP EUROPE

	Price	Change [†]	Assessed
Aluminium			
European free market MB assessment €/tonne			
Floated frag	1,170–1,200*	0%	28 Oct 16
Cast	1,070–1,150*	-1.33%	▼ 28 Oct 16
Mixed turnings 6%	980–1,020*	0%	28 Oct 16
Germany per 1000kg			
Pure cuttings	1,230–1,290	0%	26 Oct 16
Commercial cast	1,170–1,290	-1.6%	▼ 26 Oct 16
H9 extrusions	1,430–1,530	0%	26 Oct 16
Alloy turnings	900–990	0%	26 Oct 16
Source: VDM			
France per 1000kg			
Pure cuttings	1,280–1,300	5.31%	▲ 27 Sep 16
Old rolled	680–720	-2.78%	▼ 27 Sep 16
Commercial cast	830–850	-1.18%	▼ 27 Sep 16
Source: Lettre d'Information Metaux			
Italy per 1000kg			
Pure cuttings	1,120–1,220	-0.85%	▼ 21 Oct 16
Old mixed scrap	1,035–1,085	-0.47%	▼ 21 Oct 16
Commercial cast	975–1,025	-0.99%	▼ 21 Oct 16
Source: Assomet			
Copper			
Germany per 1000kg			
Copper wire (berry)	4,150–4,330	1.19%	▲ 26 Oct 16
Heavy copper	3,860–4,100	1.27%	▲ 26 Oct 16
Heavy brass	2,590–2,830	0.93%	▲ 26 Oct 16
Brass turnings (MS 58)	2,930–3,100	1.52%	▲ 26 Oct 16
Brass sheet (MS 63)	3,170–3,350	1.4%	▲ 26 Oct 16
Source: Verein Deutscher Metallhändler			
France per 1000kg			
Electro cuttings	3,900–3,920	1.16%	▲ 27 Sep 16
No 1 bright wire	3,700–3,730	1.09%	▲ 27 Sep 16
Mixed (96%)	3,650–3,670	1.24%	▲ 27 Sep 16
Brass plate cuttings 70/30	3,080–3,120	0.81%	▲ 27 Sep 16
Brass turnings	2,450–2,500	0%	27 Sep 16
Mixed brass	2,450–2,480	1.02%	▲ 27 Sep 16
Source: Lettre d'Information Metaux			
Italy per 1000kg			
Electrolytic dd EN 12861-S-Cu-2	4,041–4,093	-0.49%	▼ 21 Oct 16
Enamelled wire EN 12861-S-Cu-3	3,879–3,931	-0.51%	▼ 21 Oct 16
New from tubes, strips etc EN 12861-S-Cu-4	4,000–4,052	-0.49%	▼ 21 Oct 16
Old from tubes, strips etc 12861-S-Cu-7	3,726–3,778	-0.53%	▼ 21 Oct 16

EN12861-S-Cu-Zn-1-A-Cu 63.5%	3,258–3,335	1.07%	▲ 21 Oct 16
Mixed from valves/taps EN 12861-S-Cu-Zn-6	2,600–2,830	0%	21 Oct 16
Several 95% m/m 12861-S-Cu-Zn-7	2,507–2,585	1.39%	▲ 21 Oct 16

Source: Assomet

STEELBENCHMARKER™ SCRAP PRICES

	Price	Change [†]	Assessed
Region: USA, east of the Mississippi			
Shredded scrap (\$/metric tonne)**	194	0%	24 Oct 16
Shredded scrap (\$/gross ton)**	197	0%	24 Oct 16
No 1 heavy melting scrap (\$/metric tonne)	174	0%	24 Oct 16
No 1 heavy melting scrap (\$/gross ton)	177	0%	24 Oct 16
No 1 busheling scrap (\$/metric tonne)	199	0%	24 Oct 16
No 1 busheling scrap (\$/gross ton)	202	0%	24 Oct 16

**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	1,200–1,230*	2.53%	▲ 26 Oct 16
Commercial pure cuttings	970–1,040*	2.03%	▲ 26 Oct 16
Clean HE9 extrusions	1,200–1,230*	2.53%	▲ 26 Oct 16
Loose old rolled cuttings	750–800*	0%	26 Oct 16
Baled old rolled	840–880*	0%	26 Oct 16
Commercial cast	880–930*	0%	26 Oct 16
Cast wheels	1,100–1,150*	0.45%	▲ 26 Oct 16
Commercial turnings	600–650*	0%	26 Oct 16
Group 7 turnings	450–530*	0%	26 Oct 16
MB and LME aluminium scrap discounts			
£ per tonne			
Group 1 pure 99% & Litho	108–138*	-28.49%	▼ 26 Oct 16
Commercial pure cuttings	298–368*	-10.48%	▼ 26 Oct 16
Clean HE9 extrusions	108–138*	-28.49%	▼ 26 Oct 16
Loose old rolled cuttings	460–510*	-3.58%	▼ 26 Oct 16
Baled old rolled	380–420*	-4.31%	▼ 26 Oct 16
Commercial cast	330–380*	-4.83%	▼ 26 Oct 16
Cast wheels	110–160*	-14.56%	▼ 26 Oct 16
Commercial turnings	610–660*	-2.76%	▼ 26 Oct 16
Group 7 turnings	730–810*	-2.28%	▼ 26 Oct 16

Titanium

\$/lb cif			
Turnings, unprocessed type 90/6/4 (0.5% Sn max)	0.55–0.67*	0%	26 Oct 16
Turnings, unprocessed 90/6/4 (over 0.5% max 2% Sn)	0.30–0.35*	0%	26 Oct 16

Copper scrap discount

cents/lb			
No 2 copper (birch/cliff) imported into China 94–96% cif China	20–21*	10.81%	▲ 26 Sep 16

† week-on-week change

continued >>

NON-FERROUS FOUNDRY INGOTS

	Price	Change [†]	Assessed
Aluminium UK £/tonne			
MB free market			
LM24 pressure diecasting ingot	1,370–1,420*	0%	26 Oct 16
LM6/LM25 gravity diecasting ingot	1,580–1,610*	0%	26 Oct 16
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	1,520–1,600*	0%	28 Oct 16
Aluminum US \$/lb delivered Midwest			
A380.1 alloy	0.82–0.83*	0%	27 Oct 16
AFFIMET €/tonne			
AS12	3,260	0.62% ▲	01 Oct 16
AS12 UN	2,830	–2.08% ▼	01 Oct 16
AS9 U3	2,205	–2.65% ▼	01 Oct 16
AS5 U3	2,555	–2.29% ▼	01 Oct 16
Reflects generally larger traded lots			
VDM €/1000 kg delivered			
DIN 226	2,170–2,270	0%	26 Oct 16
DIN 231	2,250–2,350	0%	26 Oct 16
DIN 311	2,230–2,330	0%	26 Oct 16
Aluminium bronze £/tonne UK			
AB1 ex-works	4,250	0%	25 Oct 16
AB2 ex-works	4,350	0%	25 Oct 16
Source: C. F. Booth Ltd			
Brass UK £/tonne			
SCB3 ex-works	3,500	0%	25 Oct 16
High tensile HTB1 ex-works	3,600	0%	25 Oct 16
Source: C. F. Booth Ltd			
Gunmetal UK £/tonne			
LG2 85/5/5/5 ex-works	4,100	0%	25 Oct 16
LG4 87/7/3/3 ex-works	4,700	0%	25 Oct 16
G11.15 PB ex-works	5,400	0%	25 Oct 16
Source: C. F. Booth Ltd			
Phosphor bronze UK £/tonne			
PB1 ex-works	5,850	0%	25 Oct 16
Source: C. F. Booth Ltd			
Phosphor copper £/tonne			
10% P ex-works	5,750	0%	25 Oct 16
15% P ex-works	5,850	0%	25 Oct 16
Source: C. F. Booth Ltd			
Zinc alloys UK £/tonne			
Brock Metal Co contract alloy price (delivered UK, min 25 tonne lots)			
Brock Metal ZL3	2,432	4.42% ▲	03 Oct 16
Brock Metal ZL5	2,453	4.34% ▲	03 Oct 16

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Monthly averages: September

BASE METALS

	Low	High
Aluminium		
Aluminium P1020A, in-warehouse Rotterdam duty unpaid, spot \$/tonne		
Rotterdam premium	65.00	79.18
Aluminium P1020A, in-warehouse Rotterdam duty paid, spot \$/tonne		
H/G Cash \$/tonne	112.22	131.11
Alumina		
Index fob Australia	231.32	
Copper		
US High-grade cathode premium indicator, \$/tonne	121.25	132.28
Nickel		
Free market in-warehouse premium		
Europe \$/tonne uncut cathodes	75.00	105.00
4x4 cathodes	150.00	250.00
briquettes	90.00	150.00
US Melting \$/lb	0.16	0.23
Tin		
European free market		
Spot Premium 99.9% \$/tonne	400.00	525.00
Spot premium 99.85% \$/tonne	325.00	350.00
Kuala Lumpur (ex-smelter) \$/tonne	19,445.00	

MINOR METALS

Antimony		
MB free market		
Regulus 99.65%, max Se 50ppm,		
\$/tonne in-warehouse	7,566.67	7,866.67
MMTA Standard grade II \$/tonne	7,508.33	7,833.33
Bismuth		
MB free market		
min. 99.99%, \$/lb, tonne lots in-warehouse	4.39	4.84
Cadmium		
MB free market		
min 99.95%, cents/lb in-warehouse	49.00	53.00
min 99.99%, cents/lb in-warehouse	50.00	55.44
Cobalt		
MB free market		
High Grade, \$/lb in-warehouse	12.49	13.19
Low Grade, \$/lb in-warehouse	12.20	12.88
Germanium Dioxide		
MB free market min 99.99%, \$/kg	613.33	713.33
Rotterdam \$/kg	850.00	1,000.00
Indium		
MB free market		
Ingots min 99.97%, \$/kg in-warehouse	190.00	245.00
Magnesium		
MB free market		
min 99.8%, \$/tonne	2,215.00	2,317.00
China free market min 99.8%	2,310.00	2,330.00

	Low	High
Mercury		
MB free market		
min 99.99%, \$/flask in-warehouse	940.00	1,250.00
Selenium		
MB free market		
min 99.5% in-warehouse \$/lb	9.39	11.06
Silicon		
MB free market €/tonne	1,600.00	1,700.00
Titanium		
Ferro-Titanium		
70% (max 4.5% Al), \$/kg d/d Europe	3.26	3.45

ORES & ALLOYS

	Low	High
Molybdenum		
Free market in-warehouse		
Europe drummed molybdc oxide \$/lb Mo	6.95	7.08
US canned molybdc oxide \$/lb Mo	6.98	7.24
Ferro-molybdenum		
basis 65% min, in-warehouse Rotterdam, \$/kg Mo	17.23	17.68
Tungsten		
European free market APT \$/mtu	180.60	199.40
Ferro-tungsten		
basis 75% W min	25.49	26.11
Vanadium		
min 98%, in-warehouse Rotterdam, \$/lb V2O5	3.70	3.99
Ferro-vanadium		
basis 78% min, free delivery duty paid consumer plant, 1st grade Western Europe \$/kg V	18.54	19.09
US Free market 70–80%	9.50	10.07

PRECIOUS METALS

Gold		
London \$/troy oz Morning	1,326.62	
Afternoon	1,326.03	
London £/troy oz Morning	1,008.85	
Afternoon	1,008.66	
\$/troy oz Handy/Harman	1,326.01	
Palladium		
Morning \$/troy oz	681.95	
Afternoon \$/troy oz	682.59	
Platinum: per troy oz		
Morning \$/troy oz	1,048.55	
Afternoon \$/troy oz	1,045.95	
Rhodium		
European free market		
min 99.9% in-warehouse, \$/troy oz	630.68	730.00
Silver		
London		
spot pence/troy oz	1,466.72	
spot cents/troy oz	1,928.48	
Handy/Harman cents/troy oz	1,932.98	

FOUNDRY INGOTS

	Low	High
Aluminium		
LM24	1,370.00	1,430.00
LM6/LM25	1,580.00	1,620.00
Aluminium Europe €/tonne	1,584.00	1,642.00
Phosphor Bronze		
PB1 ex-works £/tonne	5,525.00	
Zinc Alloy		
10 tonne lots ZL3 £/tonne	2,329.00	

EXCHANGE RATES (CLOSING RATES)

\$/£	1.31
\$/yen	101.85
\$/€	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 September (22 days)
LME averages are mean of buyers and sellers except for settlement and 3 months sellers.

	September 2016		September
	Low	High	average
	\$	\$	\$
Aluminium (\$)			
Cash	1,452.50	1,690.25	1,589.68
3 months	1,451.25	1,700.25	1,603.81
Settlement	1,453.00	1,690.50	1,590.00
3 months seller	1,451.50	1,700.50	1,604.14
Copper Grade A (\$)			
Cash	4,310.25	5,102.50	4,706.78
3 months	4,320.25	5,070.25	4,725.40
Settlement	4,310.50	5,103.00	4,707.18
3 months seller	4,320.50	5,070.50	4,726.09
Copper Grade A (£)			
Settlement	3,005.51	3,778.88	3,580.71
3 months seller	3,012.06	3,781.89	3,589.03
Lead (\$)			
Cash	1,596.50	2,105.25	1,941.64
3 months	1,597.50	2,104.75	1,948.64
Settlement	1,597.00	2,105.50	1,942.02
3 months seller	1,598.00	2,105.00	1,949.32
Lead (£)			
Settlement	1,098.84	1,624.87	1,477.23
3 months seller	1,100.75	1,621.10	1,480.25
Nickel (\$)			
Cash	7,705.00	10,897.50	10,185.57
3 months	7,737.50	10,945.00	10,237.16
Settlement	7,710.00	10,900.00	10,188.41
3 months seller	7,750.00	10,950.00	10,243.86
Tin (\$)			
Cash	13,225.00	20,285.00	19,581.93
3 months	13,212.50	20,087.50	19,486.14
Settlement	13,235.00	20,295.00	19,589.77
3 months seller	13,225.00	20,100.00	19,496.59

	September 2016		September
	Low	High	average
	\$	\$	\$
Zinc (\$)			
Cash	1,453.25	2,377.50	2,292.44
3 months	1,466.50	2,379.50	2,298.98
Settlement	1,453.50	2,378.00	2,292.80
3 months seller	1,467.00	2,380.00	2,299.68
Cobalt (\$)			
Cash	21,702.50	27,625.00	26,599.09
3 months	21,800.00	27,500.00	26,619.32
Settlement	21,705.00	27,750.00	26,807.27
3 months seller	21,850.00	27,750.00	26,863.64
Molybdenum (\$)			
Cash	11,500.00	16,750.00	15,622.73
3 months	11,500.00	16,750.00	15,622.73
Settlement	11,750.00	17,000.00	15,872.73
3 months seller	11,750.00	17,000.00	15,872.73
Aluminium Alloy (\$)			
Cash	1,492.50	1,610.00	1,562.27
3 months	1,527.50	1,625.00	1,581.14
Settlement	1,495.00	1,615.00	1,567.27
3 months seller	1,530.00	1,630.00	1,586.14
Nasaa (\$)			
Cash	1,650.00	1,767.50	1,723.53
3 months	1,667.50	1,785.00	1,741.30
Settlement	1,651.00	1,770.00	1,725.95
3 months seller	1,670.00	1,790.00	1,745.23
Steel Billet (\$)			
Cash	75.00	312.50	312.50
3 months	90.00	315.00	312.50
Settlement	100.00	325.00	325.00
3 months seller	115.00	340.00	325.00

LME SETTLEMENT CONVERSION RATES

\$/£	1.31
\$/yen	101.87
\$/€	1.12