

Prices

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NEW YORK FUTURES

	Price	Change [†]	Assessed
Comex: Copper high grade cents/lb			
Settlement	218.75	1.65% ▲	22 Sep 16
Open interest	191,034	-4.42% ▼	21 Sep 16
Stocks (short ton)	70,287	0.25% ▲	21 Sep 16
Comex: Gold \$/troy oz			
Settlement	1,340.40	2.05% ▲	22 Sep 16
Open interest	576,746	0.51% ▲	21 Sep 16
Stocks (troy oz)	10,705,125	-1.62% ▼	21 Sep 16
Nymex: Palladium \$/troy oz			
Settlement	701.00	6.76% ▲	22 Sep 16
Stocks (troy oz)	68,425	-7.44% ▼	21 Sep 16
Nymex: Platinum \$/troy oz			
Settlement	1,062.80	2.81% ▲	22 Sep 16
Stocks (troy oz)	242,299	-0.02% ▼	21 Sep 16
Comex: Silver cents/troy oz			
Settlement	2,002.00	5.6% ▲	22 Sep 16
Open interest	198,391	2.55% ▲	21 Sep 16

SHANGHAI FUTURES

	Price	Change [†]	Assessed
Aluminium yuan/tonne	12,745	1.96% ▲	23 Sep 16
Copper yuan/tonne	37,820	2.86% ▲	23 Sep 16
Nickel cathode yuan/tonne	81,260	5.79% ▲	23 Sep 16
Tin ingot yuan/tonne	123,900	1.39% ▲	23 Sep 16
Zinc yuan/tonne	17,940	2.28% ▲	23 Sep 16
Steel rebar month 1 yuan/tonne	2,279	1.83% ▲	23 Sep 16
Steel rebar month 2 yuan/tonne	2,242	0.13% ▲	23 Sep 16
Steel rebar month 3 yuan/tonne	2,301	4.78% ▲	23 Sep 16
Weekly stocks deliverable			
Aluminium (tonnes)	103,077	-18.11% ▼	23 Sep 16
Copper (tonnes)	130,780	-9% ▼	23 Sep 16
Nickel cathode (tonnes)	111,733	-0.3% ▼	23 Sep 16
Tin ingot (tonnes)	3,627	22.74% ▲	23 Sep 16
Zinc (tonnes)	175,272	-5.89% ▼	23 Sep 16
Steel rebar (tonnes)	64,438	21.48% ▲	23 Sep 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	1,637-1,637.5	4.99% ▲	23 Sep 16
Cash unofficial	1,617.5-1,619.5	3.95% ▲	22 Sep 16
3 months official	1,642-1,642.5	4.72% ▲	23 Sep 16
3 months unofficial	1,625-1,627	3.57% ▲	22 Sep 16
LME Tapo notional average price (NAP)	1,569.66	0.09% ▲	22 Sep 16
LME stocks (tonnes)	2,146,725	-0.93% ▼	22 Sep 16
Aluminium alloy (A380.1/DIN/D12S) \$			
LME cash official	1,555-1,565	0%	23 Sep 16
LME cash unofficial	1,548-1,558	-0.58% ▼	22 Sep 16
LME 3 months official	1,575-1,585	0%	23 Sep 16
LME 3 months unofficial	1,565-1,575	-0.63% ▼	22 Sep 16
LME stocks (tonnes)	13,680	17.12% ▲	22 Sep 16

Price Change Assessed

N. American special aluminium alloy

LME cash official	1,735-1,745	1.43% ▲	23 Sep 16
LME cash unofficial	1,736-1,746	1.02% ▲	22 Sep 16
LME 3 months official	1,750-1,760	1.15% ▲	23 Sep 16
LME 3 months unofficial	1,750-1,760	0.86% ▲	22 Sep 16
LME stocks (tonnes)	71,940	7.15% ▲	22 Sep 16

Copper grade A \$

LME cash official	4,814-4,815	1.72% ▲	23 Sep 16
LME cash unofficial	4,823.5-4,825.5	1.4% ▲	22 Sep 16
LME 3 months official	4,838-4,840	1.85% ▲	23 Sep 16
LME 3 months unofficial	4,842-4,844	1.45% ▲	22 Sep 16
LME Tapo notional average price (NAP)	4,669.88	0.78% ▲	22 Sep 16
LME stocks (tonnes)	356,875	2.26% ▲	22 Sep 16

Lead \$

LME cash official	1,911-1,912	-1.25% ▼	23 Sep 16
LME cash unofficial	1,946-1,948	0.99% ▲	22 Sep 16
LME 3 months official	1,923-1,925	-0.62% ▼	23 Sep 16
LME 3 months unofficial	1,955-1,957	1.14% ▲	22 Sep 16
LME stocks (tonnes)	191,000	1.68% ▲	22 Sep 16

Nickel \$

LME cash official	10,620-10,625	10.11% ▲	23 Sep 16
LME cash unofficial	10,505-10,530	8.37% ▲	22 Sep 16
LME 3 months official	10,690-10,695	10.29% ▲	23 Sep 16
LME 3 months unofficial	10,550-10,575	8.28% ▲	22 Sep 16
LME stocks (tonnes)	363,216	-1.02% ▼	22 Sep 16

Tin \$

LME cash official	19,700-19,725	3.14% ▲	23 Sep 16
LME cash unofficial	19,485-19,535	1.04% ▲	22 Sep 16
LME 3 months official	19,625-19,630	2.69% ▲	23 Sep 16
LME 3 months unofficial	19,475-19,525	1.17% ▲	22 Sep 16
LME stocks (tonnes)	3,715	-3.13% ▼	22 Sep 16

Zinc special high grade \$

LME cash official	2,271-2,271.5	3.11% ▲	23 Sep 16
LME cash unofficial	2,287.5-2,289.5	2.81% ▲	22 Sep 16
LME 3 months official	2,283-2,285	3.14% ▲	23 Sep 16
LME 3 months unofficial	2,299-2,301	2.72% ▲	22 Sep 16
LME stocks (tonnes)	442,650	-0.4% ▼	22 Sep 16

Cobalt min 99.3%

LME cash official	27,000-27,500	1.87% ▲	23 Sep 16
LME 3 months official	27,000-27,500	1.87% ▲	23 Sep 16
LME stocks (tonnes)	625	-0.16% ▼	22 Sep 16

Molybdenum \$

LME cash official	14,650-15,150	-6.88% ▼	23 Sep 16
LME 3 months official	14,650-15,150	-6.88% ▼	23 Sep 16
LME stocks (tonnes)	0	-100% ▼	22 Sep 16

Steel billet

LME cash official	300-325	0%	23 Sep 16
LME cash unofficial	300-325	0%	22 Sep 16
LME 3 months official	300-325	0%	23 Sep 16
LME 3 months unofficial	300-325	0%	22 Sep 16
LME stocks (tonnes)	0	0%	22 Sep 16

† week-on-week change

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Gold \$/troy oz	Price	Change	Assessed
London morning	1,335.90	1.65%	▲ 23 Sep 16
London afternoon	1,339.10	2.16%	▲ 22 Sep 16
Handy/Harman	1,339.10	2.16%	▲ 22 Sep 16
Silver per troy oz			
London spot pence	1,527.79	6.41%	▲ 23 Sep 16
London spot cents	1,982	4.81%	▲ 23 Sep 16
Handy/Harman	2,005.5	4.95%	▲ 22 Sep 16
Palladium \$/troy oz			
London morning	686	4.89%	▲ 22 Sep 16
London afternoon	697	6.25%	▲ 22 Sep 16
Platinum \$/troy oz			
London morning	1,046	1.16%	▲ 22 Sep 16
London afternoon	1,059	2.72%	▲ 22 Sep 16
Kuala Lumpur tin market			
Tin \$/tonne	19,450	1.3%	▲ 23 Sep 16

RAND FIXING PRICES

Rand fixing prices per tonne for London Metal Exchange trade

	Price	Change [†]	Assessed
Copper	65,689.12	-2.35%	▼ 23 Sep 16
Aluminium	22,339.76	0.77%	▲ 23 Sep 16
Lead	26,084.65	-5.19%	▼ 23 Sep 16
Zinc	30,989.17	-1.01%	▼ 23 Sep 16
Nickel	144,952.63	5.7%	▲ 23 Sep 16
Tin	269,100.29	-0.99%	▼ 23 Sep 16

EXCHANGE RATES

	Price	Change [†]	Assessed
LME settlement conversion rates			
\$/£	1.2971	-1.53%	▼ 23 Sep 16
\$/¥	100.8500	-1.01%	▼ 23 Sep 16
\$/€	1.1216	-0.11%	▼ 23 Sep 16
Closing rates, midpoint			
\$/£	1.3098	-0.72%	▼ 22 Sep 16
\$/¥	100.7950	-1.56%	▼ 22 Sep 16
\$/€	1.1241	-0.03%	▼ 22 Sep 16
£/€	1.1652	-0.69%	▼ 22 Sep 16
\$/CNY	6.6697	-0.02%	▼ 22 Sep 16

BASE METALS ARBITRAGE

	Price	Change [†]	Assessed
Aluminium			
Import arbitrage, \$/tonne	-46.93*	-47.91%	▼ 23 Sep 16
Import arbitrage, RMB/tonne	-313.65*	-47.92%	▼ 23 Sep 16
Copper			
Import arbitrage, \$/tonne	-102.37*	183.65%	▲ 23 Sep 16
Import arbitrage, RMB/tonne	-684.14*	183.63%	▲ 23 Sep 16
Nickel			
Import arbitrage, \$/tonne	-716.65*	28.49%	▲ 23 Sep 16
Import arbitrage, RMB/tonne	-4,789.20*	28.46%	▲ 23 Sep 16
Zinc			
Import arbitrage, \$/tonne	-163.31*	9.55%	▲ 23 Sep 16
Import arbitrage, RMB/tonne	-1,091.37*	9.53%	▲ 23 Sep 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%	21 Sep 16
Rotterdam, copper average premium, Grade A, cathode, in-warehouse \$/tonne	45.00*	0%	21 Sep 16
Leghorn, copper low-high premium, Grade A, cathode, cif, \$/tonne	60.0-70.0*	0%	19 Sep 16
Leghorn, copper average premium, Grade A, cathode, cif, \$/tonne	65.00*	0%	19 Sep 16
South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne	50.0-60.0*	0%	22 Sep 16
South Korea, copper average premium, Grade A, cathode, cif, \$/tonne	55.00*	0%	22 Sep 16
Singapore, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne	5.0-10.0*	50%	▲ 22 Sep 16
Singapore, copper average premium, Grade A, cathode, in-warehouse, \$/tonne	5.00*	0%	22 Sep 16
Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne	55.0-65.0*	14.29%	▲ 23 Sep 16
Shanghai, copper average premium, Grade A, cathode, in-warehouse \$/tonne	61.00*	15.09%	▲ 23 Sep 16
Shanghai, copper low-high premium, Grade A, cathode, cif \$/tonne	50.0-65.0*	9.52%	▲ 23 Sep 16
Shanghai, copper average premium, Grade A, cathode, cif \$/tonne	60.00*	13.21%	▲ 23 Sep 16
Johor, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne	5.0-10.0*	50%	▲ 22 Sep 16
Johor, copper average premium, Grade A, cathode, in-warehouse \$/tonne	5.00*	0%	22 Sep 16
MB free market US: High-grade cathode premium indicator, \$/tonne	121.3-132.3*	0%	22 Sep 16
Aluminium			
Aluminium P1020A, in-whs Rotterdam duty unpaid, spot low-high, \$/tonne	70.0-85.0*	6.9%	▲ 23 Sep 16
Aluminium P1020A, in-warehouse Rotterdam duty unpaid, spot weighted average, \$/tonne	77.50*	8.39%	▲ 23 Sep 16
Aluminium P1020A, cif Korea (Gwangyang or Busan), spot low-high, \$/tonne	55.00-65.00*	0%	20 Sep 16
Aluminium P1020A, cif Korea (Gwangyang or Busan), spot weighted average, \$/tonne	60.00*	0%	20 Sep 16
Aluminium P1020A, in-warehouse Singapore, spot low-high, \$/tonne	5.0-10.0*	-66.67%	▼ 20 Sep 16
Aluminium P1020A, in-warehouse Singapore, spot weighted average, \$/tonne	7.50*	-81.25%	▼ 20 Sep 16
Aluminium P1020A, in-warehouse Johor, spot low-high, \$/tonne	5.0-10.0*	-66.67%	▼ 20 Sep 16
Aluminium P1020A, in-warehouse Johor, spot weighted average, \$/tonne	7.50*	-81.25%	▼ 20 Sep 16
Aluminium P1020A, cif Shanghai, spot low-high, \$/tonne	75.0-85.0*	-5.88%	▼ 20 Sep 16
Aluminium P1020A, cif Shanghai, spot weighted average, \$/tonne	79.00*	-8.14%	▼ 20 Sep 16
Aluminium P1020A, cif main Japanese ports, spot low-high, \$/tonne	60.0-75.0*	-3.57%	▼ 20 Sep 16
Aluminium P1020A, cif main Japanese ports, spot weighted average, \$/tonne	70.00*	0%	20 Sep 16
Aluminium ingot ADC 12 spot, main Japanese ports, \$/tonne	1,670*	-0.29%	▼ 20 Sep 16
Aluminium P1020A, in-warehouse Rotterdam duty-paid, spot \$/tonne	115.0-130.0*	2.08%	▲ 23 Sep 16
Aluminium P1020A, in-warehouse Rotterdam duty-paid, for delivery three months forward, \$/tonne	115.0-130.0*	2.08%	▲ 23 Sep 16

† week-on-week change

continued >>

	Price	Change	Assessed
Aluminium P1020A, cif main Japanese ports, quarterly, \$/tonne	90.0–93.0*	-21.12% ▼	05 Jul 16
Aluminium 6063 extrusion billet, in-whs Rotterdam duty–paid, spot \$/tonne	310.0–350.0*	0%	23 Sep 16
Aluminium P1020A, delivered US midwest, spot, \$/lb	0.058–0.063*	0%	21 Sep 16
Aluminium P1020A, delivered Sao Paulo region, spot, \$/tonne	160.0–210.0*	-2.63% ▼	22 Sep 16
Aluminium P1020A, cif Brazilian main ports duty–unpaid, spot, \$/tonne	110.0–130.0*	0%	15 Sep 16
Aluminium 6063 + 6060 extrusion billet, cif Brazilian main ports, spot (premium over LME cash), \$/tonne	280.0–320.0*	11.11% ▲	15 Sep 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%	20 Sep 16
Rotterdam, lead average premium, 99.97% purity, in–warehouse, \$/tonne	20.00*	0%	20 Sep 16
Johor, lead low–high premium, 99.97% purity, in–warehouse, \$/tonne	10.0–20.0*	0%	15 Sep 16
Johor, lead average premium, 99.97% purity, in–warehouse, \$/tonne	15.00*	0%	15 Sep 16
MB Battery grade free market premium in–warehouse, €/tonne	90.0–120.0*	0%	20 Sep 16
USA lead premium 99.97%, delivered domestic, \$/lb	0.10–0.14*	0%	12 Sep 16
Nickel			
Shanghai, nickel low–high premium, 99.8% purity in–warehouse \$/tonne	110.0–135.0*	11.36% ▲	22 Sep 16
Shanghai, nickel average premium, 99.8% purity in–warehouse \$/tonne	123.00*	2.5% ▲	22 Sep 16
Shanghai, nickel low–high premium, 99.8% purity, full plate, cif \$/tonne	110.0–150.0*	10.64% ▲	22 Sep 16
Shanghai, nickel premium, 99.8% purity full plate, cif \$/tonne	135.00*	0%	22 Sep 16
Malaysia nickel 99.80% briquettes premium in–warehouse, \$/tonne	5–10*	0%	21 Sep 16
Singapore nickel 99.80% briquettes premium in–warehouse, \$/tonne	5–10*	0%	21 Sep 16
Malaysia nickel 99.80% full plate premium in–warehouse, \$/tonne	10–45*	-8.33% ▼	21 Sep 16
Singapore nickel 99.80% full plate premium in–warehouse, \$/tonne	10–45*	-8.33% ▼	21 Sep 16
uncut cathodes premium indicator	80.0–110.0*	0%	20 Sep 16
4x4 cathodes premium indicator	150.0–250.0*	0%	20 Sep 16
briquettes premium indicator	90.0–150.0*	0%	20 Sep 16
US: melting premium indicator \$/lb	0.160–0.230*	0%	21 Sep 16
Tin			
MB European free market			
Spot premium 99.9% \$/tonne	400–525*	0%	23 Sep 16
Spot premium 99.85% \$/tonne	325–350*	0%	23 Sep 16
United States New York spot, cents/lb	912–913	1.78% ▲	22 Sep 16
Zinc			
Rotterdam, zinc low–high premium, 99.995% purity, in–warehouse, \$/tonne	90.0–100.0*	0%	21 Sep 16
Rotterdam, zinc average premium, 99.995% purity, in–warehouse, \$/tonne	95.00*	0%	21 Sep 16
MB EU: Special high grade, fca Rotterdam, \$/tonne	125.0–145.0*	0%	21 Sep 16
South Korea, zinc low–high premium, 99.995% purity, in–warehouse, \$/tonne	80.0–90.0*	-10.53% ▼	22 Sep 16
South Korea, zinc average premium, 99.995% purity, in–warehouse, \$/tonne	90.00*	-10% ▼	22 Sep 16
Johor, zinc low–high premium, 99.995% purity, in–warehouse, \$/tonne	60.0–65.0*	0%	22 Sep 16
Johor, zinc average premium, 99.995% purity, in–warehouse, \$/tonne	62.50*	0%	22 Sep 16

	Price	Change	Assessed
Singapore, zinc low–high premium, 99.995% purity, in–warehouse, \$/tonne	60.0–65.0*	0%	22 Sep 16
Singapore, zinc average premium, 99.995% purity, in–warehouse, \$/tonne	62.50*	0%	22 Sep 16
Shanghai, zinc low–high premium, 99.995% purity, in–warehouse, \$/tonne	100.0–110.0*	5% ▲	22 Sep 16
Shanghai, zinc average premium, 99.995% purity, in–warehouse, \$/tonne	105.00*	3.96% ▲	22 Sep 16
MB US: Special high grade, \$/lb	0.060–0.070*	0%	15 Sep 16

BASE METALS

	Price	Change*	Assessed
Alumina			
MB Chinese free market, metallurgical grade, delivered duty paid RMB/tonne	2,000.0–2,040.0*	7.02% ▲	22 Sep 16
Alumina Index fob Australia	230.25*	0.11% ▲	22 Sep 16
Alumina Index fob Brazil	-4.87*		15 Sep 16
Alumina Index fob Brazil, inferred Brazil price \$ per dry metric ton	225.12*		15 Sep 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):	4,327.4–4,356.1	1.46% ▲	21 Sep 16
cathodes:	4,290.0–4,360.0	1.53% ▲	21 Sep 16
South Africa: Palabora copper rod 7.90mm, Rand/tonne	74,720.070	-6.38% ▼	01 Sep 16
Copper concentrate Asia–Pacific Index RC import, US cents/lb (twice monthly on 15th and last day of month)	10.24–10.24*	-0.58% ▼	15 Sep 16
Copper concentrate Asia–Pacific Index TC import, \$/dmt (twice monthly on 15th and last day of month)	102.40–102.40*	-0.58% ▼	15 Sep 16
Shanghai bonded copper stocks, tonnes	540,000–540,000*	-5.26% ▼	12 Sep 16

Nickel

Nickel pig iron high grade NPI content 10–15% contract price delivered duty paid China RMB per nickel unit price	845.00–870.00*	1.18% ▲	20 Sep 16
Nickel pig iron high grade NPI content 10–15% spot price China RMB per nickel unit price	840.00–855.00*	0.89% ▲	20 Sep 16
Nickel ore			
Laterite ore with 1.5% nickel content cif China, \$/tonne	35–36*	0%	20 Sep 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	50–52*	0%	20 Sep 16

Lead

Germany: (VDM) virgin soft, €/tonne	1,960.00–1,990.003.67%	▲	21 Sep 16
European automotive battery premium free market (Eurobat)			
in–warehouse Rotterdam €/tonne			
Soft lead (average)	155.16*	-0.17% ▼	01 Jun 16
Ca/Ca grid grid lead (average)	389.68*	-0.83% ▼	01 Jun 16
Connector lead (average)	499.34*	-2.51% ▼	01 Jun 16
European industrial battery premium free market (Eurobat)			
in–warehouse Rotterdam €/tonne			
Stand–by refined or soft lead (average)	236.53*	-1.51% ▼	01 Jun 16
Traction refined or soft lead (average)	236.97	-1.63% ▼	01 Jun 16

For an explanation of these premiums, see <http://www.eurobat.org/statistics>

Zinc

Germany: (VDM) virgin, €/tonne	1,580.00–1,600.00–4.22%	▼	09 Dec 15
UK: Special high grade, delivered monthly average price £/tonne	1,934*	3.15% ▲	01 Sep 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	640-740*	0%	23 Sep 16
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	650	0%	23 Sep 16
Englehard base price: \$/troy oz	685	0%	23 Sep 16
Palladium			
European free market: min 99.9%, \$/troy oz in-warehouse	688-696*	5.65% ▲	23 Sep 16
Englehard base price: \$/troy oz	695	4.98% ▲	23 Sep 16
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	696	5.61% ▲	23 Sep 16
Platinum			
European free market: min 99.9%, \$/troy oz in-warehouse	1,043-1,063*	2.23% ▲	23 Sep 16
Englehard base price: \$/troy oz	1,059	1.73% ▲	23 Sep 16
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	1,061	2.71% ▲	23 Sep 16
Rhodium			
European free market: min 99.9%, \$/troy oz in-warehouse	625-725*	-1.46% ▼	23 Sep 16
Englehard base price: \$/troy oz	675	0%	23 Sep 16
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	675	0%	23 Sep 16
Ruthenium			
European free market: min 99.9%, \$/troy oz in-warehouse	37-47*	0%	23 Sep 16
Englehard base price: \$/troy oz	42	0%	23 Sep 16
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	42	0%	23 Sep 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	7,650-7,950*	0%	23 Sep 16
MMTA Standard Grade II, \$/tonne in-warehouse Rotterdam	7,600-7,900*	0%	23 Sep 16
MB Chinese free market MMTA Standard Grade II, delivered duty paid RMB/tonne	48,000-50,000*	3.16% ▲	21 Sep 16
Arsenic			
MB free market \$/lb	1.00-1.35*	0%	16 Sep 16
Bismuth			
MB free market \$/lb	4.40-4.90*	0%	23 Sep 16
MB China domestic, min 99.99%, RMB/tonne	67,500-70,000*	4.17% ▲	23 Sep 16
Cadmium			
MB free market min 99.95% cents/lb	50.00-54.00*	0%	23 Sep 16
MB free market min 99.99% cents/lb	50.00-56.00*	0.95% ▲	23 Sep 16
Chromium			
MB free market alumino-thermic min 99% \$/tonne	7,000-7,400*	0%	23 Sep 16
Cobalt			
MB free market high-grade \$/lb	12.50-13.20*	0%	23 Sep 16
MB free market low-grade \$/lb	12.30-13.00*	0%	23 Sep 16
MB high-grade, weighted average of all confirmed international trades, \$/lb	12.90*	-0.31% ▼	23 Sep 16
MB low-grade, weighted average of all confirmed international trades, \$/lb	12.37*	-0.64% ▼	23 Sep 16
MB China domestic, min 99.8% RMB/tonne	206,000-221,000*	0.71% ▲	23 Sep 16
Cobalt tetroxide min 72.6% Co delivered China RMB/tonne	148,000-150,000*	0%	23 Sep 16

	Price	Change	Assessed
Gallium			
MB free market \$/kg	110-130*	0%	23 Sep 16
MB China domestic, min 99.99%, RMB/kg	730-760*	1.36% ▲	21 Sep 16
Germanium			
Germanium dioxide MB free market \$/kg	600-700*	0%	23 Sep 16
Germanium metal \$/kg Rotterdam	850-1,000*	0%	23 Sep 16
Germanium metal MB China domestic, min 99.999%, RMB/kg	5,500-6,000*	0.88% ▲	21 Sep 16
Hafnium			
Hafnium 1% Zr max, in-warehouse global locations, \$/kg	1,000-1,100*	0%	16 Sep 16
Indium			
MB free market \$/kg	190-245*	0%	23 Sep 16
MB China domestic, min 99.99% RMB/kg	1,120-1,170*	-0.43% ▼	21 Sep 16
Indium Corp ingots min 99.97% \$/kg fob	440.00	-40.94% ▼	26 Jun 15
Magnesium			
European free market \$ per tonne	2,275-2,370*	0%	23 Sep 16
China free market min 99.8% Mg, fob China main ports, \$ per tonne	2,320-2,340*	0.87% ▲	21 Sep 16
MB Chinese free market min 99% Mg, ex-works RMB/tonne	14,900-15,100*	1.69% ▲	21 Sep 16
Manganese flake			
MB free market \$/tonne	1,900-2,000*	0%	23 Sep 16
Mercury			
MB free market \$ per flask	940-1,250*	0%	16 Sep 16
Rhenium in-warehouse Rotterdam duty paid			
Metal pellets, min 99.9% \$/lb	795-900*	0%	16 Sep 16
APR catalytic grade \$/kg Re	2,300-2,575*	0%	16 Sep 16
Selenium			
MB free market \$/lb	9.00-10.50*	0%	23 Sep 16
MB China domestic, min 99.9%, RMB/kg	130-160*	-6.45% ▼	23 Sep 16
Selenium dioxide, MB China domestic, min 98%, RMB/kg	78-82*	-4.76% ▼	23 Sep 16
Silicon			
MB free market €/tonne	1,600-1,700*	0%	23 Sep 16
US free market cents/lb	87-92*	-0.56% ▼	09 Sep 16
Export from mainland China min 98.5%, \$/tonne fob	1,390-1,430*	0.36% ▲	21 Sep 16
Tellurium			
MB free market \$/kg	25.00-40.00*	0%	23 Sep 16
MB China domestic, min 99.99%, RMB/kg	255-270*	1.94% ▲	23 Sep 16
Titanium			
MB free market ferro-titanium 70% (max 4.5% Al) \$/kg Ti d/d Europe	3.25-3.40*	0%	23 Sep 16
Titanium ores \$/tonne			
Rutile conc min 95% Tio2 bagged, fob/Aus	750-800	0%	22 Sep 16
Rutile bulk conc min 95% Tio2 fob/Aus	700-750	0%	22 Sep 16
Ilmenite bulk conc min 54% Tio2 fob/Aus	100-110	0%	22 Sep 16

† week-on-week change

continued >>

NOBLE ALLOYS & ORES			
	Price	Change [†]	Assessed
Lithium ores			
Petalite 4.2% Li ₂ O bagged fob Durban \$/tonne	170–265	0%	22 Sep 16
Spodumene 7.25% Li ₂ O cif Europe \$/tonne	740–790	0%	22 Sep 16
Molybdenum molybdc oxide			
Europe drummed molybdc oxide \$/lb Mo	6.75–6.90*	0.37% ▲	23 Sep 16
US canned molybdc oxide \$/lb Mo	6.80–7.10*	–1.42% ▼	22 Sep 16
Ferro-molybdenum			
Basis 65% min, in-warehouse Rotterdam \$/kg Mo	16.80–17.10*	–1.88% ▼	23 Sep 16
US free market 65–70% Mo \$/lb in-warehouse Pittsburgh	8.30–8.80*	–0.58% ▼	22 Sep 16
MB Chinese free market concentrate 45% Mo in-warehouse China RMB/mtu	920–940*	–1.06% ▼	21 Sep 16
Tungsten			
European free market APT \$/mtu	180–200*	0%	23 Sep 16
Export from mainland China APT Chinese No1 grade, min 88.5% W03, \$/mtu fob	183–190*	0%	21 Sep 16
MB Chinese free market concentrate 65% W03 in-warehouse China RMB/tonne	67,000–70,000*	0%	21 Sep 16
Ferro-tungsten			
Basis 75% W min \$/kg W in-warehouse Rotterdam duty unpaid	25.40–25.80*	–0.29% ▼	23 Sep 16
China export min 75% \$/kg W, fob China	25.80–26.10*	0%	21 Sep 16
Vanadium			
Ferro-vanadium basis 78% min, free delivery duty paid consumer plant, 1st grade, Western Europe \$/kg V	18.10–18.50*	–2.92% ▼	23 Sep 16
US free market ferro-vanadium \$/lb in-warehouse Pittsburgh	9.25–10.00*	–1.28% ▼	22 Sep 16
Vanadium pentoxide min 98%, in-warehouse Rotterdam \$ per lb V2O5	3.70–4.00*	0%	23 Sep 16
Zircon			
Foundry grade bulk \$/tonne fob Australia	950–1,000	0%	22 Sep 16
Premium bulk \$/tonne fob Australia	1,000–1,050	0%	22 Sep 16

BULK ALLOYS

	Price	Change [†]	Assessed
Ferro-chrome \$/lb Cr			
China import charge chrome 50% Cr index, cif Shanghai, duty unpaid	0.81*	1.25% ▲	23 Sep 16
Lumpy Cr charge basis 52% Cr (and high carbon) quarterly	0.98*	19.51% ▲	22 Jun 16
6–8% C basis 60% Cr max 1.5% Si	0.80–0.88*	1.82% ▲	23 Sep 16
0.10% C average 60–70% Cr	1.87–1.90*	0%	23 Sep 16
European low carbon in-warehouse 0.06% C max – 65% Cr	1.90–1.98*	0%	23 Sep 16
Low phosphorous Cr min 65% C max 7% Si max 1% p max 0.015% Ti max 0.05%	0.85–0.90*	0%	23 Sep 16
Japan import 8–9% C, basis 60% Cr, cif Japan, duty unpaid \$/lb contained chrome	0.77–0.79*	0%	22 Sep 16
US free market in-warehouse Pittsburgh 6–8% C basis 60–65% Cr max 2% Si	0.840–0.890*	0%	22 Sep 16
US free market low carbon duty paid fob Pittsburgh			
0.05% C – 65% min Cr	2.10–2.15*	0%	22 Sep 16
0.10% C – 62% min Cr	1.78–1.83*	0%	22 Sep 16
0.15% C – 60% min Cr	1.75–1.77*	0%	22 Sep 16
Spot 6–8% C basis 50% Cr delivered duty paid China RMB/tonne	5,740–5,890*	–0.26% ▼	23 Sep 16
Contract 6–8% C basis 50% Cr delivered duty paid China RMB/tonne	6,100–6,400*	2.46% ▲	23 Sep 16

	Price	Change	Assessed
Chrome ore \$/tonne			
<i>Chrome ore cif main Chinese ports</i>			
South African UG2 chrome ore concs, basis 42%	190–200*	4% ▲	23 Sep 16
Turkish lumpy 40–42% cfr main Chinese ports	240–245*	0%	23 Sep 16
Ferro-manganese			
basis 78% Mn (scale pro rata) standard 7.5% C €/tonne	700–730*	0%	23 Sep 16
US free market 78% Mn standard 7.5% C \$/long ton in-warehouse Pittsburgh	820–850*	0%	22 Sep 16
US free market medium carbon duty paid fob Pittsburgh, 80% min Mn 1.5% max C \$/lb	0.77–0.80*	0%	22 Sep 16
MB Chinese free market min 65% Mn max 7.0% C in-warehouse China RMB/tonne	5,100–5,300*	0%	16 Sep 16
Manganese ore			
44% Mn, cif Tianjin \$/dmtu of metal contained	4.94*	5.11% ▲	23 Sep 16
37% Mn, fob Port Elizabeth \$/dmtu of metal contained	3.98*	4.19% ▲	23 Sep 16
Ferro-silicon			
Lumpy basis 75% Si (scale pro rata) €/tonne	920–975*	0%	23 Sep 16
US free market \$/lb in-warehouse Pittsburgh lumpy basis 75% Si – imported	0.67–0.73*	0%	22 Sep 16
Export from mainland China, min 75% Si, 7.5% C, \$/tonne, fob	1,020–1,060*	0%	16 Sep 16
MB Chinese free market min 75% in-warehouse China RMB/tonne	4,700–5,000*	0%	16 Sep 16
Silico-manganese			
Lumpy basis 65–75% Mn basis 15–19% Si (scale pro rata) €/tonne	705–730*	–3.04% ▼	23 Sep 16
US free market \$/lb in-warehouse Pittsburgh	0.40–0.42*	0%	22 Sep 16
MB Chinese free market min 65% Mn max 17% Si in-warehouse China RMB/tonne	6,000–6,200*	0%	16 Sep 16
65% min Mn 16% min Si \$/tonne fob India	810–840*	0%	20 Sep 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%	21 Sep 16
Wire rod (mesh quality)	400–450*	0%	21 Sep 16
Plate (8–40mm)	420–440*	0%	21 Sep 16
Hot rolled coil	410–420*	0.61% ▲	21 Sep 16
Cold rolled coil	510–520*	5.64% ▲	21 Sep 16
Hot-dip galvanized coil	500–520*	7.37% ▲	21 Sep 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*	-7.64% ▼	21 Sep 16
Wire rod (mesh quality)	370–375*	-3.87% ▼	21 Sep 16
Plate (8–40mm)	400–410*	0%	21 Sep 16
Hot rolled coil	410–430*	2.44% ▲	21 Sep 16
Cold rolled coil	505–520*	0%	21 Sep 16
Hot-dip galvanized coil	445–460*	0%	21 Sep 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	365–370*	0%	21 Sep 16
Wire rod (mesh quality)	380–390*	0%	21 Sep 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	430–440*	-2.79% ▼	21 Sep 16
Wire rod (mesh quality)	440–450*	-3.26% ▼	21 Sep 16
Sections (medium)	490–530*	-3.32% ▼	21 Sep 16
Beams	500–505*	-0.99% ▼	21 Sep 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	380–385*	0%	21 Sep 16
Wire rod (mesh quality)	380–390*	0%	21 Sep 16
Sections (medium)	520–525*	0%	21 Sep 16
Beams	505–510*	0%	21 Sep 16
Central Europe domestic € per tonne ex-works			
Hot rolled coil	400–410*	-0.61% ▼	21 Sep 16
Poland domestic zloty per tonne ex-works			
Rebar	1,730–1,770*	0.57% ▲	23 Sep 16
Northern Europe € per tonne ex-works			
Plate (8–40mm)	490–520*	1% ▲	21 Sep 16
Hot rolled coil	425–450*	0.57% ▲	21 Sep 16
Cold rolled coil	525–540*	-2.29% ▼	21 Sep 16
Hot-dip galvanized coil	540–560*	0.92% ▲	21 Sep 16
Beams	485–490*	-1.02% ▼	21 Sep 16
Hollow sections	475–515*	-3.41% ▼	21 Sep 16
Southern Europe € per tonne ex-works			
Plate (8–40mm)	420–440*	0%	21 Sep 16
Hot rolled coil	400–430*	1.22% ▲	21 Sep 16
Cold rolled coil	490–525*	-0.49% ▼	21 Sep 16
Hot-dip galvanized coil	490–530*	-0.49% ▼	21 Sep 16
Beams	490–495*	0%	21 Sep 16
Hollow sections	505–510*	0%	21 Sep 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	385–390*	0%	21 Sep 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	315–325*	0%	19 Sep 16
Slab	320–330*	0.93% ▲	19 Sep 16
Rebar	350–360*	-1.39% ▼	19 Sep 16
Wire rod (mesh)	365–375*	0%	19 Sep 16
Heavy plate (10–50mm)	360–390*	0%	19 Sep 16
Hot rolled coil	380–395*	-0.64% ▼	19 Sep 16
Cold rolled coil	430–440*	0%	19 Sep 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	27,500–29,000*	2.63% ▲	19 Sep 16
Hot rolled sheet	35,200–35,250*	0.57% ▲	19 Sep 16
Cold rolled sheet	41,000–41,050*	0%	19 Sep 16
Plate	33,000–33,500*	0%	19 Sep 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	335–345*	0%	22 Sep 16
Rebar	360–370*	0%	22 Sep 16
Wire rod (mesh quality)	370–375*	0%	22 Sep 16
Merchant bars	400–410*	-2.41% ▼	22 Sep 16
Structural pipe	450–470*	-1.08% ▼	10 Aug 16
Hot rolled coil	395–400*	0%	23 Sep 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	335–340*	0%	22 Sep 16
Rebar	380–395*	-1.15% ▼	22 Sep 16
Wire rod (mesh quality)	390–400*	0%	22 Sep 16
Hot rolled coil	430–440*	0%	23 Sep 16
Cold rolled coil	540–545*	0%	23 Sep 16
Hot dip galvanized	620–625*	0%	23 Sep 16
Prepainted galvanized	710–720*	0%	23 Sep 16
Turkish imports			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr main Turkish port</i>			
Billet	330–335*	0%	22 Sep 16
Hot rolled coil	400–405*	-1.83% ▼	23 Sep 16
Cold rolled coil	450–460*	0%	23 Sep 16
UAE imports			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr Jebel Ali</i>			
Billet	330–340*	-4.69% ▼	20 Sep 16
Rebar	365–370*	0%	20 Sep 16
Hot rolled coil	390–391*	-2.98% ▼	20 Sep 16
Cold rolled coil	470–471*	-6.83% ▼	20 Sep 16
Hot dip galvanized coil	540–550*	-6.03% ▼	20 Sep 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	370–375*	0%	20 Sep 16
Hot rolled coil	390–410*	-2.56% ▼	20 Sep 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	1,390–1,725*	-1.02% ▼	20 Sep 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	13.00–13.50*	-1.49% ▼	21 Sep 16
Rebar (12–25mm)	15.60–16.80*	2.53% ▲	21 Sep 16
Plate	17.90–19.00*	0%	21 Sep 16
Hot rolled coil	18.10–19.50*	-0.4% ▼	21 Sep 16
Cold rolled coil	20.20–22.30*	0%	21 Sep 16
Hot-dip galvanized coil	23.50–24.75*	-0.72% ▼	21 Sep 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	340–350*	0%	21 Sep 16
Rebar	380–390*	-2.53% ▼	21 Sep 16
Cold rolled coil	440–450*	1.14% ▲	21 Sep 16
Hot rolled coil	390–400*	0.64% ▲	21 Sep 16
Plate	390–400*	0%	21 Sep 16
Hot dip galvanized coil	490–500*	0%	21 Sep 16
Prepainted galvanized	570–590*	0.87% ▲	21 Sep 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	5,860–6,278*	2.34% ▲	22 Sep 16
Egyptian import			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr main port</i>			
Billet	340–355*	0%	22 Sep 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	320–330*	0%	23 Sep 16
Slab	320–325*	0%	23 Sep 16
Rebar	360–380*	0%	23 Sep 16
Wire rod mesh quality	360–380*	0%	23 Sep 16
Heavy plate over 10mm	400–425*	0%	23 Sep 16
Hot rolled coil (dry)	390–395*	0%	23 Sep 16
Cold rolled coil	465–480*	0%	23 Sep 16
Galvanized coil	760–770*	0%	23 Sep 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	400–410*	0%	23 Sep 16
Hot rolled coil	420–440*	0%	23 Sep 16
Cold rolled coil	475–490*	0%	23 Sep 16
Galvanized coil	560–580*	0%	23 Sep 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%	09 Sep 16
Cold rolled coil	715–725*	0%	09 Sep 16
Galvanized coil	985–1,070*	0%	09 Sep 16
Rebar	800–820*	0%	09 Sep 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%	09 Sep 16
Cold rolled coil	3,110–3,210*	0%	09 Sep 16
Hot dip galvanized coil	3,510–3,655*	0%	09 Sep 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%	09 Sep 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%	09 Sep 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	354–363*	-1.1% ▼	21 Sep 16
Merchant bars	540–560*	-3.51% ▼	26 Aug 16
Wire rod (low carbon)	390–403*	0%	14 Sep 16
Medium sections	520–550*	-2.73% ▼	25 Aug 16
Medium plate	475–500*	0%	21 Sep 16
Hot rolled coil (commodity)	460–500*	-3.03% ▼	21 Sep 16
Cold rolled coil	560–610*	-1.68% ▼	21 Sep 16
Hot dipped galvanized 0.012–0.015, G30	660–700*	0%	21 Sep 16
Hot dipped galvanized 0.019, G60	655–700*	0%	21 Sep 16
ERW linepipe (X42)	600–600*	0%	30 Aug 16
OCTG API5CT – casing J/K55	650–650*	0%	30 Aug 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)	480–500*	-3.45% ▼	21 Sep 16
Wire rod (mesh quality fob mill)	500–520*	0%	14 Sep 16
Plate (fob mill)	525–525*	-1.87% ▼	16 Sep 16
Hot rolled sheet (fob mill)	520–520*	-1.89% ▼	22 Sep 16
Cold rolled sheet (fob mill)	760–760*	-2.56% ▼	22 Sep 16
Hot-dip galvanized (base) Midwest (fob mill)	760–760*	-1.3% ▼	22 Sep 16
ERW linepipe (X42) (fob mill)	810–810*	0%	30 Aug 16
OCTG API5CT – casing J/K55 (fob mill)	850–850*	0%	30 Aug 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)	32.10–32.10*	0%	26 Aug 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	335–340*	-1.46%	▼ 23 Sep 16
Wire rod (mesh quality)	345–350*	-1.42%	▼ 23 Sep 16
Heavy plate	350–355*	-2.08%	▼ 23 Sep 16
Hot rolled coil	375–380*	-2.58%	▼ 23 Sep 16
Cold rolled coil	435–440*	-1.13%	▼ 23 Sep 16
Galvanized coil 1mm	515–520*	-0.96%	▼ 23 Sep 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	2,270–2,300*	-1.51%	▼ 23 Sep 16
Wire rod (mesh)	2,510–2,570*	0%	23 Sep 16
Sections	2,700–2,710*	-1.28%	▼ 23 Sep 16
Plate	2,530–2,570*	-0.39%	▼ 23 Sep 16
Hot rolled coil (min 2mm)	2,700–2,720*	0.74%	▲ 23 Sep 16
Cold rolled coil (0.5 – 2 mm)	3,420–3,460*	1.18%	▲ 23 Sep 16
Hot-dip galvanized coil	3,950–4,150*	5.19%	▲ 23 Sep 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	2,110–2,110*	0%	23 Sep 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	2,720–2,740*	-1.8%	▼ 23 Sep 16
Rebar	2,400–2,420*	-1.23%	▼ 23 Sep 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	2,510–2,580*	1.19%	▲ 23 Sep 16
Wire rod (mesh)	2,590–2,600*	1.76%	▲ 23 Sep 16
Sections	2,830–2,900*	-0.69%	▼ 23 Sep 16
Plate	2,650–2,670*	-1.85%	▼ 23 Sep 16
Hot rolled coil (min 2mm)	2,790–2,810*	0%	23 Sep 16
Cold rolled coil (0.5 – 2 mm)	3,430–3,460*	1.17%	▲ 23 Sep 16
Hot-dip galvanized coil	4,050–4,140*	5.68%	▲ 23 Sep 16
Southeast Asia imports			
<i>Metal Bulletin's appraisal of prices in Southeast Asia for commercial-quality carbon steel & per tonne cfr</i>			
Billet	340–355*	-1.42%	▼ 19 Sep 16
Slab (Asia/East Asia)	340–355*	-1.42%	▼ 19 Sep 16
Hot rolled coil (Vietnam)	390–398*	-1.87%	▼ 19 Sep 16
Rebar (Singapore)	340–345*	-2.84%	▼ 19 Sep 16
Wire rod (low carbon)	355–365*	-3.36%	▼ 19 Sep 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	335–340*	1.5%	▲ 16 Sep 16
Plate (12–40mm)	405–410*	0%	16 Sep 16
Hot rolled coil (commodity)	415–420*	-4.02%	▼ 16 Sep 16
Hot-dip galvanized coil	730–740*	0%	16 Sep 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)	385–390*	-3.12%	▼ 16 Sep 16
Hot rolled coil (commodity)	410–415*	-1.2%	▼ 16 Sep 16
Hot rolled coil (CR grade)	415–420*	-1.18%	▼ 16 Sep 16
Cold rolled	470–480*	-2.06%	▼ 16 Sep 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	21,400–21,500*	5.93%	▲ 16 Sep 16
Heavy plate	30,500–31,000*	0%	16 Sep 16
Hot rolled coil	32,000–32,500*	0%	16 Sep 16
Cold rolled coil	36,500–37,000*	0%	16 Sep 16
DRI	14,300–14,500*	8.68%	▲ 16 Sep 16
Hot-dip galvanized coil	41,500–42,500*	0%	16 Sep 16
Rebar	22,500–22,600*	-0.88%	▼ 16 Sep 16

STEELBENCHMARKER™ PRICES

	Price	Change [†]	Assessed
Region: USA east of the Mississippi			
Standard plate (\$/metric tonne)	645	0.47%	▲ 12 Sep 16
Standard plate (\$/short ton)	586	0.51%	▲ 12 Sep 16
Hot rolled coil (\$/metric tonne)	636	-3.64%	▼ 12 Sep 16
Hot rolled coil (\$/short ton)	577	-3.51%	▼ 12 Sep 16
Cold rolled coil (\$/metric tonne)	855	-2.29%	▼ 12 Sep 16
Cold rolled coil (\$/short ton)	775	-2.39%	▼ 12 Sep 16
Region: Mainland China			
Rebar	312	-1.27%	▼ 12 Sep 16
Standard plate	337	-0.3%	▼ 12 Sep 16
Hot rolled coil	350	-0.28%	▼ 12 Sep 16
Cold rolled coil	442	3.03%	▲ 12 Sep 16
Region: World export market			
Hot rolled coil (\$/metric tonne)	381	1.33%	▲ 12 Sep 16

STAINLESS STEEL

	Price	Change [†]	Assessed
Asia import			
<i>\$/tonne cif East Asian port</i>			
Grade 304 2mm CR coil 2B	1,870–1,900*	-0.26%	▼ 23 Sep 16
Grade 304 HR sheet	1,800–1,810*	0.84%	▲ 23 Sep 16
China domestic			
<i>yuan/tonne, in-warehouse</i>			
Grade 304 2mm CR coil	13,000–13,150*	1.16%	▲ 23 Sep 16
Grade 430 2mm CR coil	7,300–7,400*	1.03%	▲ 23 Sep 16
EU export			
<i>€/tonne fob N. European port</i>			
<i>Min 100 tonne lot</i>			
Grade 304 2mm CR sheet	2,100–2,209*	0%	23 Sep 16
EU domestic			
<i>2mm 304 cold rolled stainless sheet, €/tonne</i>			
Base price	1,100–1,120*	0%	23 Sep 16
Alloy surcharge	1,000–1,089*	0%	23 Sep 16
<i>2mm 316 cold rolled stainless sheet, €/tonne</i>			
Base price	1,400–1,420*	0%	23 Sep 16
Alloy surcharge	1,449–1,548*	0%	23 Sep 16
<i>304 stainless steel bright bar, €/tonne</i>			
Base price	900–910*	0%	23 Sep 16
Alloy surcharge	1,230–1,391*	0%	23 Sep 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	91–91*	4.02%	▲ 08 Sep 16
Grade 316 coiled plate	123–123*	2.94%	▲ 08 Sep 16
Grade 304 cold rolled sheet	107–107*	3.88%	▲ 08 Sep 16
Grade 316L cold rolled sheet	141–141*	2.92%	▲ 08 Sep 16

continued >>

CHINA IRON ORE			
<i>cfr main China port \$ per dry metric tonne</i>			
	Price	Change [†]	Assessed
Iron ore index (62% Fe)	56.79*	1.47% ▲	23 Sep 16
Iron ore pellet index cfr Qingdao (65% Fe)	92.46*	0.54% ▲	23 Sep 16
Iron ore concentrate index cfr Qingdao (66% Fe)	70.20*	-0.37% ▼	23 Sep 16
Metal Bulletin Indicator for US\$/% Fe in iron ore fines cfr Qingdao	1.00*	9.89% ▲	01 Sep 16

IRAN IRON ORE			
<i>cfr China US \$ per tonne</i>			
	Price	Change [†]	Assessed
Iron ore fines index (60% Fe)	52.98–52.98*	0%	21 Sep 16

COKING COAL			
<i>\$ per metric tonne</i>			
	Price	Change [†]	Assessed
Premium hard coking coal cfr China	194.17–194.17*	8.14% ▲	23 Sep 16
Hard coking coal cfr China	186.86–186.86*	6.41% ▲	23 Sep 16
Premium hard coking coal fob Australia	194.89–194.89*	-6.48% ▼	23 Sep 16
Hard coking coal fob Australia	180.96–180.96*	6.34% ▲	23 Sep 16
China hard coking coal Shanxi spot market domestic delivered yuan/tonne	1,050–1,150*	10%	23 Sep 16
65% CSR coke \$/tonne fob Tianjin	240–245*	2.11% ▲	20 Sep 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	130–140*	0%	09 Sep 16
1&2 old steel	105–115*	0%	09 Sep 16
12A/C new production heavy and shovellable steel	130–140*	0%	09 Sep 16
12D new production heavy and shovellable steel	135–145*	0%	09 Sep 16

Bales and cuttings

4A new steel bales	135–145*	0%	09 Sep 16
4C new steel bales	130–140*	0%	09 Sep 16
8A new loose light cuttings	125–135*	0%	09 Sep 16
8B new loose light cuttings	110–120*	0%	09 Sep 16

Turnings

UK inter-merchant 7B heavy steel turnings	85–95*	0%	09 Sep 16
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Cast iron

9A/10 heavy and light cast iron	110–120*	0%	09 Sep 16
9B/C cylinder block scrap	130–140*	0%	09 Sep 16
11A cast iron borings	75–90*	-13.16% ▼	09 Sep 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	45–65*	-8.33% ▼	23 Sep 16
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UK ferrous scrap export

MB assessment \$/tonne cfr main UK port

HMS 1&2 (80:20 mix)	202–208*	0%	16 Sep 16
Shredded	207–213*	0%	16 Sep 16

Indian imports

MB assessment \$/tonne cfr Nhava Sheva

MB index cfr India shredded	236.64*	0.08% ▲	16 Sep 16
HMS 1&2 (80:20 mix)	215–220*	1.16% ▲	23 Sep 16

Price Change Assessed

Alloy steel scrap domestic

UK wholesale merchants' stainless (£/tonne)

18/8 solids	730–760*	3.47% ▲	23 Sep 16
18/8 turnings	620–645*	3.27% ▲	23 Sep 16
12–13% Cr solids	75–95*	0%	23 Sep 16
16–17% Cr solids	105–135*	0%	23 Sep 16

Cif Europe stainless € per tonne

18/8 solids	950–970*	3.78% ▲	23 Sep 16
18/8 turnings	835–855*	4.97% ▲	23 Sep 16

Rotterdam export

MB assessment \$/tonne fob Rotterdam

MB index fob Rotterdam HMS 1&2 (80:20)	200.50*	-2.17% ▼	16 Sep 16
HMS 1&2 (70:30 mix)	194–196*	0%	16 Sep 16
Shredded	211–217*	0%	16 Sep 16

Turkish import

MB assessment \$/tonne cfr main Turkish ports

MB index cfr Turkey HMS 1&2 (80:20) (North Europe material)	206.30*	-3.6% ▼	22 Sep 16
MB index cfr Turkey HMS 1&2 (80:20) (United States material)	212.39*	-3.43% ▼	22 Sep 16
HMS 1&2 (75:25 mix)	207–209*	0%	16 Sep 16
Shredded	224–230*	0%	16 Sep 16

Turkish domestic

MB assessment delivered

Melting scrap from shipbreaking (\$/tonne)	220.00–227.00*	-1.54% ▼	19 Sep 16
Auto bundle scrap (Turkish lira/tonne)	610.00–660.00*	-1.17% ▼	19 Sep 16

USA export

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

HMS 1&2 (80:20)	203.00*	-2.03% ▼	21 Sep 16
Shredded	208.54*	-1.65% ▼	21 Sep 16

USA domestic

AMM Midwest index \$/gross ton delivered mill

No1 heavy melting scrap	201.56*	-8.91% ▼	12 Sep 16
No1 busheling	234.08*	-11.43% ▼	12 Sep 16
Shredded	219.19*	-9.35% ▼	12 Sep 16

China domestic

yuan/tonne delivered mill

Heavy scrap	1,490–1,530*	0%	23 Sep 16
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Taiwan import

\$/tonne cfr main port

HMS 1&2 (80:20 mix) (USA material)	195–200*	-2.95% ▼	23 Sep 16
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Germany domestic

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

No E2/8 (new steel scrap)	165.10	7.35% ▲	01 Aug 16
No E1 (old steel scrap)	151.00	7.09% ▲	01 Aug 16
No E3 (old thick steel scrap)	165.70	6.42% ▲	01 Aug 16
No E40 (shredded steel scrap)	172.40	6.49% ▲	01 Aug 16
No E5 (steel turnings)	127.70	6.68% ▲	01 Aug 16

MB assessment €/tonne delivered at mill

Grade E40 (shredded steel scrap)	185–190	1.35% ▲	16 Sep 16
No E8 (thin new production steel scrap)	180–185	0%	16 Sep 16
No E3 (scrap)	180–185	1.39% ▲	16 Sep 16

Italy domestic

MB assessment €/tonne delivered at mill

No E3 (old thick scrap)	175.00	0%	19 Sep 16
No E8 (thin new production steel)	190.00	0%	19 Sep 16

† week-on-week change

continued >>

SCRAP SUBSTITUTES			
	Price	Change [†]	Assessed
EU imports \$/tonne			
Pig iron imports cif Italy	250–255*	-1.94%	▼ 22 Sep 16
Latin American exports \$/tonne, delivery terms as stated			
Hot briquetted iron Venezuela	150–200*	0%	23 Sep 16
Pig iron fob Vitoria/Rio	220–235*	0%	23 Sep 16
Pig iron fob Ponta da Maderia	245–255*	0%	23 Sep 16
US imports \$/tonne cfr Gulf of Mexico			
Pig iron	260–270*	0%	23 Sep 16
CIS exports \$/tonne fob main port			
Pig iron Baltic Sea	270–275*	0.74%	▲ 22 Sep 16
Pig iron Black Sea	240–245*	-2.02%	▼ 22 Sep 16
China domestic yuan/tonne delivered warehouse			
Pig iron	1,850–1,870*	-1.06%	▼ 23 Sep 16

NON-FERROUS SCRAP EUROPE			
	Price	Change [†]	Assessed
Aluminium			
European free market MB assessment €/tonne			
Floated frag	1,200–1,240*	-0.81%	▼ 23 Sep 16
Cast	1,120–1,200*	-0.43%	▼ 23 Sep 16
Mixed turnings 6%	990–1,040*	0.5%	▲ 23 Sep 16
Germany per 1000kg			
Pure cuttings	1,240–1,270	0%	21 Sep 16
Commercial cast	1,160–1,280	0%	21 Sep 16
H9 extrusions	1,450–1,460	-1.69%	▼ 21 Sep 16
Alloy turnings	910–980	-5.97%	▼ 21 Sep 16
Source: VDM			
France per 1000kg			
Pure cuttings	1,220–1,230	1.24%	▲ 20 Sep 16
Old rolled	700–740	-0.69%	▼ 20 Sep 16
Commercial cast	840–860	0%	20 Sep 16
Source: Lettre d'Information Metaux			
Italy per 1000kg			
Pure cuttings	1,145–1,245	-0.83%	▼ 16 Sep 16
Old mixed scrap	1,055–1,105	-1.37%	▼ 16 Sep 16
Commercial cast	1,010–1,060	-0.96%	▼ 16 Sep 16

Source: Assomet			
Copper			
Germany per 1000kg			
Copper wire (berry)	4,110–4,290	2.19%	▲ 21 Sep 16
Heavy copper	3,830–4,050	3.68%	▲ 21 Sep 16
Heavy brass	2,490–2,750	1.55%	▲ 21 Sep 16
Brass turnings (MS 58)	2,900–3,050	0.68%	▲ 21 Sep 16
Brass sheet (MS 63)	3,140–3,320	1.41%	▲ 21 Sep 16

Source: Verein Deutscher Metallhändler			
France per 1000kg			
Electro cuttings	3,850–3,880	3.2%	▲ 20 Sep 16
No 1 bright wire	3,650–3,700	3.09%	▲ 20 Sep 16
Mixed (96%)	3,600–3,630	2.99%	▲ 20 Sep 16
Brass plate cuttings 70/30	3,050–3,100	1.65%	▲ 20 Sep 16
Brass turnings	2,450–2,500	2.06%	▲ 20 Sep 16
Mixed brass	2,430–2,450	1.24%	▲ 20 Sep 16

Source: Lettre d'Information Metaux			
Italy per 1000kg			
Electrolytic dd EN 12861-S-Cu-2	4,033–4,085	2.81%	▲ 16 Sep 16
Enamelled wire EN 12861-S-Cu-3	3,871–3,923	2.93%	▲ 16 Sep 16
New from tubes, strips etc EN 12861-S-Cu-4	3,992–4,044	2.84%	▲ 16 Sep 16
Old from tubes, strips etc 12861-S-Cu-7	3,718–3,770	3.06%	▲ 16 Sep 16

EN12861-S-Cu-Zn-1-A-Cu 63.5%	3,185–3,262	2.06%	▲ 16 Sep 16
Mixed from valves/taps EN 12861-S-Cu-Zn-6	2,630–2,860	0.73%	▲ 16 Sep 16
Several 95% m/m 12861-S-Cu-Zn-7	2,435–2,513	2.7%	▲ 16 Sep 16
Source: Assomet			

STEELBENCHMARKER™ SCRAP PRICES			
	Price	Change [†]	Assessed
Region: USA, east of the Mississippi			
Shredded scrap (\$/metric tonne)**	214	-7.76%	▼ 12 Sep 16
Shredded scrap (\$/gross ton)**	217	-8.05%	▼ 12 Sep 16
No 1 heavy melting scrap (\$/metric tonne)	199	-6.57%	▼ 12 Sep 16
No 1 heavy melting scrap (\$/gross ton)	202	-6.48%	▼ 12 Sep 16
No 1 busheling scrap (\$/metric tonne)	223	-11.51%	▼ 12 Sep 16
No 1 busheling scrap (\$/gross ton)	226	-11.72%	▼ 12 Sep 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	1,150–1,180*	0%	21 Sep 16
Commercial pure cuttings	900–950*	1.09%	▲ 21 Sep 16
Clean HE9 extrusions	1,150–1,180*	0%	21 Sep 16
Loose old rolled cuttings	750–800*	0%	21 Sep 16
Baled old rolled	840–880*	-1.15%	▼ 21 Sep 16
Commercial cast	880–920*	0%	21 Sep 16
Cast wheels	1,070–1,120*	0%	21 Sep 16
Commercial turnings	600–650*	-1.57%	▼ 21 Sep 16
Group 7 turnings	450–530*	-2%	▼ 21 Sep 16

MB and LME aluminium scrap discounts			
£ per tonne			
Group 1 pure 99% & Litho	15–45*	275%	▲ 21 Sep 16
Commercial pure cuttings	245–295*	4.65%	▲ 21 Sep 16
Clean HE9 extrusions	15–45*	275%	▲ 21 Sep 16
Loose old rolled cuttings	392–442*	2.96%	▲ 21 Sep 16
Baled old rolled	312–352*	7.1%	▲ 21 Sep 16
Commercial cast	272–312*	4.29%	▲ 21 Sep 16
Cast wheels	72–122*	14.12%	▲ 21 Sep 16
Commercial turnings	542–592*	4.04%	▲ 21 Sep 16
Group 7 turnings	662–742*	3.24%	▲ 21 Sep 16

Titanium			
\$/lb cif			
Turnings, unprocessed type 90/6/4 (0.5% Sn max)	0.60–0.70*	-7.14%	▼ 21 Sep 16
Turnings, unprocessed 90/6/4 (over 0.5% max 2% Sn)	0.31–0.37*	0%	21 Sep 16

Copper scrap discount			
cents/lb			
No 2 copper (birch/cliff) imported into China 94–96% cif China	18–19*	-5.13%	▼ 29 Aug 16

† week-on-week change

continued >>

NON-FERROUS FOUNDRY INGOTS

	Price	Change [†]	Assessed
Aluminium UK £/tonne			
MB free market			
LM24 pressure diecasting ingot	1,370–1,430*	0%	21 Sep 16
LM6/LM25 gravity diecasting ingot	1,580–1,620*	0%	21 Sep 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	1,570–1,630*	–0.93%	▼ 23 Sep 16
Aluminum US \$/lb delivered Midwest			
A380.1 alloy	0.82–0.84*	–1.19%	▼ 22 Sep 16
AFFIMET €/tonne			
AS12	3,240	–0.46%	▼ 01 Sep 16
AS12 UN	2,890	0.35%	▲ 01 Sep 16
AS9 U3	2,265	0.44%	▲ 01 Sep 16
AS5 U3	2,615	0.38%	▲ 01 Sep 16
Reflects generally larger traded lots			
VDM €/1000 kg delivered			
DIN 226	2,170–2,270	0%	21 Sep 16
DIN 231	2,250–2,350	0%	21 Sep 16
DIN 311	2,230–2,330	0%	21 Sep 16
Aluminium bronze £/tonne UK			
AB1 ex-works	4,050	2.53%	▲ 20 Sep 16
AB2 ex-works	4,150	2.47%	▲ 20 Sep 16
Source: C. F. Booth Ltd			
Brass UK £/tonne			
SCB3 ex-works	3,350	1.52%	▲ 20 Sep 16
High tensile HTB1 ex-works	3,450	1.47%	▲ 20 Sep 16
Source: C. F. Booth Ltd			
Gunmetal UK £/tonne			
LG2 85/5/5/5 ex-works	3,900	2.63%	▲ 20 Sep 16
LG4 87/7/3/3 ex-works	4,500	2.27%	▲ 20 Sep 16
G11.15 PB ex-works	5,150	1.98%	▲ 20 Sep 16
Source: C. F. Booth Ltd			
Phosphor bronze UK £/tonne			
PB1 ex-works	5,600	2.75%	▲ 20 Sep 16
Source: C. F. Booth Ltd			
Phosphor copper £/tonne			
10% P ex-works	5,500	1.85%	▲ 20 Sep 16
15% P ex-works	5,600	1.82%	▲ 20 Sep 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	2,329	1.84%	▲ 01 Sep 16
Brock Metal ZL5	2,351	1.86%	▲ 01 Sep 16

Metal Bulletin

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BASE METALS

	Low	High
Aluminium		
Aluminium P1020A, in-warehouse Rotterdam duty unpaid, spot \$/tonne		
Rotterdam premium	61.30	73.26
Aluminium P1020A, in-warehouse Rotterdam duty paid, spot \$/tonne		
H/G Cash \$/tonne	108.89	129.44
Alumina		
Index fob Australia	230.61	
Copper		
US High-grade cathode premium indicator, \$/tonne	121.25	132.28
Nickel		
Free market in-warehouse premium		
Europe \$/tonne uncut cathodes	68.00	110.00
4x4 cathodes	150.00	250.00
briquettes	125.00	200.00
US Melting \$/lb	0.18	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	18,352.50	

MINOR METALS

Antimony		
MB free market		
Regulus 99.65%, max Se 50ppm,		
\$/tonne in-warehouse	7,055.56	7,322.22
MMTA Standard grade II \$/tonne	7,044.44	7,311.11
Bismuth		
MB free market		
min. 99.99%, \$/lb, tonne lots in-warehouse	4.19	4.54
Cadmium		
MB free market		
min 99.95%, cents/lb in-warehouse	51.44	55.44
min 99.99%, cents/lb in-warehouse	52.67	59.33
Cobalt		
MB free market		
High Grade, \$/lb in-warehouse	12.28	12.89
Low Grade, \$/lb in-warehouse	11.94	12.52
Germanium Dioxide		
MB free market min 99.99%, \$/kg	710.00	810.00
Rotterdam \$/kg	1,011.11	1,205.56
Indium		
MB free market		
Ingots min 99.97%, \$/kg in-warehouse	207.78	253.89
Magnesium		
MB free market		
min 99.8%, \$/tonne	2,075.00	2,170.00
China free market min 99.8%	2,210.00	2,230.00

	Low	High
Mercury		
MB free market		
min 99.99%, \$/flask in-warehouse	960.00	1,260.00
Selenium		
MB free market		
min 99.5% in-warehouse \$/lb	10.50	12.72
Silicon		
MB free market €/tonne	1,600.00	1,700.00
Titanium		
Ferro-Titanium		
70% (max 4.5% Al), \$/kg d/d Europe	3.35	3.58

ORES & ALLOYS

	Low	High
Molybdenum		
Free market in-warehouse		
Europe drummed molybdic oxide \$/lb Mo	7.32	7.48
US canned molybdic oxide \$/lb Mo	7.05	7.30
Ferro-molybdenum		
basis 65% min, in-warehouse Rotterdam, \$/kg Mo	17.91	18.33
Tungsten		
European free market APT \$/mtu	185.00	200.00
Ferro-tungsten		
basis 75% W min	25.47	26.42
Vanadium		
min 98%, in-warehouse Rotterdam, \$/lb V2O5	3.40	3.70
Ferro-vanadium		
basis 78% min, free delivery duty paid consumer plant, 1st grade Western Europe \$/kg V	18.87	19.65
US Free market 70–80%	9.80	10.30

PRECIOUS METALS

Gold		
London \$/troy oz Morning		1,340.86
Afternoon		1,341.09
London £/troy oz Morning		1,022.28
Afternoon		1,024.05
\$/troy oz Handy/Harman		1,340.17
Palladium		
Morning \$/troy oz		699.95
Afternoon \$/troy oz		700.00
Platinum: per troy oz		
Morning \$/troy oz		1,127.14
Afternoon \$/troy oz		1,123.77
Rhodium		
European free market		
min 99.9% in-warehouse, \$/troy oz	583.70	683.70
Silver		
London		
spot pence/troy oz		1,497.69
spot cents/troy oz		1,964.02
Handy/Harman cents/troy oz		1,958.74

FOUNDRY INGOTS

	Low	High
Aluminium		
LM24	1,356.00	1,422.00
LM6/LM25	1,580.00	1,620.00
Aluminium Europe €/tonne	1,612.50	1,670.00
Phosphor Bronze		
PB1 ex-works £/tonne	5,530.00	
Zinc Alloy		
10 tonne lots ZL3 £/tonne	2,287.00	

EXCHANGE RATES (CLOSING RATES)

\$/£	1.31
\$/yen	101.22
\$/€	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 August (21 days)
LME averages are mean of buyers and sellers except for settlement and 3 months sellers.

	August 2016 Low \$	High \$	August average \$
Aluminium (\$)			
Cash	1,452.50	1,690.25	1,641.13
3 months	1,451.25	1,700.25	1,652.98
Settlement	1,453.00	1,690.50	1,641.52
3 months seller	1,451.50	1,700.50	1,653.39
Copper Grade A (\$)			
Cash	4,310.25	5,102.50	4,757.82
3 months	4,320.25	5,070.25	4,771.75
Settlement	4,310.50	5,103.00	4,758.20
3 months seller	4,320.50	5,070.50	4,772.45
Copper Grade A (£)			
Settlement	3,005.51	3,778.88	3,629.78
3 months seller	3,012.06	3,781.89	3,634.16
Lead (\$)			
Cash	1,596.50	1,900.75	1,838.50
3 months	1,597.50	1,908.00	1,846.91
Settlement	1,597.00	1,901.00	1,838.89
3 months seller	1,598.00	1,909.00	1,847.59
Lead (£)			
Settlement	1,098.84	1,442.08	1,402.78
3 months seller	1,100.75	1,445.67	1,406.91
Nickel (\$)			
Cash	7,705.00	10,897.50	10,350.57
3 months	7,737.50	10,945.00	10,401.02
Settlement	7,710.00	10,900.00	10,353.86
3 months seller	7,750.00	10,950.00	10,407.05
Tin (\$)			
Cash	13,225.00	18,937.50	18,405.34
3 months	13,212.50	18,927.50	18,380.57
Settlement	13,235.00	18,940.00	18,413.41
3 months seller	13,225.00	18,930.00	18,389.09

	August 2016 Low \$	High \$	August average \$
Zinc (\$)			
Cash	1,453.25	2,327.25	2,282.40
3 months	1,466.50	2,320.00	2,281.94
Settlement	1,453.50	2,327.50	2,282.77
3 months seller	1,467.00	2,322.00	2,282.77
Cobalt (\$)			
Cash	21,702.50	26,575.00	26,282.05
3 months	21,800.00	26,575.00	26,296.59
Settlement	21,705.00	26,750.00	26,477.73
3 months seller	21,850.00	26,750.00	26,540.91
Molybdenum (\$)			
Cash	11,500.00	16,750.00	15,863.64
3 months	11,500.00	16,750.00	15,863.64
Settlement	11,750.00	17,000.00	16,113.64
3 months seller	11,750.00	17,000.00	16,113.64
Aluminium Alloy (\$)			
Cash	1,492.50	1,610.00	1,562.27
3 months	1,527.50	1,625.00	1,580.91
Settlement	1,495.00	1,615.00	1,567.27
3 months seller	1,530.00	1,630.00	1,585.91
Nasaa (\$)			
Cash	1,650.00	1,767.50	1,719.85
3 months	1,667.50	1,785.00	1,735.80
Settlement	1,651.00	1,770.00	1,721.23
3 months seller	1,670.00	1,790.00	1,739.55
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	101.18
\$/€	1.12