

Prices

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NEW YORK FUTURES				
	Price	Change [†]		Assessed
Comex: Copper high grade cents/lb				
Settlement	291.40	-0.77%	▼	21 Sep 17
Open interest	287,758	-7.47%	▼	20 Sep 17
Stocks (short ton)	192,896	1.18%	▲	20 Sep 17
Comex: Gold \$/troy oz				
Settlement	1,290.60	-2.57%	▼	21 Sep 17
Open interest	574,694	-0.82%	▼	20 Sep 17
Stocks (troy oz)	8,697,211	0.01%	▲	20 Sep 17
Nymex: Palladium \$/troy oz				
Settlement	912.95	-0.76%	▼	21 Sep 17
Stocks (troy oz)	54,673	0%		20 Sep 17
Nymex: Platinum \$/troy oz				
Settlement	939.90	-4.18%	▼	21 Sep 17
Stocks (troy oz)	212,446	0%		20 Sep 17
Comex: Silver cents/troy oz				
Settlement	1,693.70	-4.3%	▼	21 Sep 17
Open interest	192,251	1.74%	▲	20 Sep 17
SHANGHAI FUTURES				
	Price	Change [†]		Assessed
Aluminium yuan/tonne	16,290	1.59%	▲	22 Sep 17
Copper yuan/tonne	49,570	-1.43%	▼	22 Sep 17
Nickel cathode yuan/tonne	82,920	-4.63%	▼	22 Sep 17
Tin ingot yuan/tonne	143,300	2.28%	▲	22 Sep 17
Zinc yuan/tonne	25,010	2.79%	▲	22 Sep 17
Steel rebar month 1 yuan/tonne	3,936	-11.89%	▼	22 Sep 17
Steel rebar month 2 yuan/tonne	3,859	-3.98%	▼	22 Sep 17
Steel rebar month 3 yuan/tonne	3,811	-3.81%	▼	22 Sep 17
Weekly stocks deliverable				
Aluminium (tonnes)	542,752	1.33%	▲	22 Sep 17
Copper (tonnes)	141,318	-15.25%	▼	22 Sep 17
Nickel cathode (tonnes)	55,309	-7.72%	▼	22 Sep 17
Tin ingot (tonnes)	10,135	-4.92%	▼	22 Sep 17
Zinc (tonnes)	67,225	-3.5%	▼	22 Sep 17
Steel rebar (tonnes)	3,881	-31.19%	▼	22 Sep 17
DAILY METAL AND STEEL				
<i>London forward LME settlement prices. All prices per tonne, unless otherwise stated, in LME warehouse, EU duty, if any paid for buyers account</i>				
	Price	Change [†]		Assessed
Aluminium high grade \$				
Cash official	2,136.00-2,137.00	3.32%	▲	22 Sep 17
Cash unofficial	2,154.50-2,156.50	4.41%	▲	21 Sep 17
3 months official	2,159.00-2,160.00	2.88%	▲	22 Sep 17
3 months unofficial	2,180.00-2,182.00	4.15%	▲	21 Sep 17
LME Tapo notional average price (NAP)	2,093.27	0.45%	▲	21 Sep 17
LME stocks (tonnes)	1,294,850	-1.41%	▼	21 Sep 17
Aluminium alloy (A380.1/DIN/D12S) \$				
LME cash official	1,765.00-1,775.00	0.85%	▲	22 Sep 17
LME cash unofficial	1,765.50-1,775.50	1.46%	▲	21 Sep 17
LME 3 months official	1,775.00-1,785.00	0.85%	▲	22 Sep 17
LME 3 months unofficial	1,775.00-1,785.00	1.42%	▲	21 Sep 17
LME stocks (tonnes)	11,920	0%		21 Sep 17

	Price	Change		Assessed
N. American special aluminium alloy				
LME cash official	1,935.00-1,935.50	3.64%	▲	22 Sep 17
LME cash unofficial	1,985.00-1,995.00	3.62%	▲	21 Sep 17
LME 3 months official	1,950.00-1,960.00	3.3%	▲	22 Sep 17
LME 3 months unofficial	2,000.00-2,010.00	3.62%	▲	21 Sep 17
LME stocks (tonnes)	172,240	0.9%	▲	21 Sep 17
Copper grade A \$				
LME cash official	6,404.00-6,405.00	-0.79%	▼	22 Sep 17
LME cash unofficial	6,430.00-6,435.00	-0.38%	▼	21 Sep 17
LME 3 months official	6,445.00-6,450.00	-0.78%	▼	22 Sep 17
LME 3 months unofficial	6,470.00-6,475.00	-0.38%	▼	21 Sep 17
LME Tapo notional average price (NAP)	6,645.80	-1.29%	▼	21 Sep 17
LME stocks (tonnes)	309,050	1.54%	▲	21 Sep 17
Lead \$				
LME cash official	2,477.00-2,477.50	6.94%	▲	22 Sep 17
LME cash unofficial	2,490.50-2,492.50	9.32%	▲	21 Sep 17
LME 3 months official	2,478.00-2,480.00	5.87%	▲	22 Sep 17
LME 3 months unofficial	2,490.00-2,492.00	7.93%	▲	21 Sep 17
LME stocks (tonnes)	161,250	-1.15%	▼	21 Sep 17
Nickel \$				
LME cash official	10,575.00-10,580.00	-3.86%	▼	
LME cash unofficial	11,030.00-11,040.00	-1.1%	▼	
LME 3 months official	10,620.00-10,650.00	-3.97%	▼	
LME 3 months unofficial	11,105.00-11,115.00	-1.13%	▼	21 Sep 17
LME stocks (tonnes)	381,330	-0.72%	▼	21 Sep 17
Tin \$				
LME cash official	20,840.00-20,845.00	0.83%	▲	
LME cash unofficial	20,720.00-20,745.00	0.33%	▲	
LME 3 months official	20,575.00-20,625.00	0.26%	▲	
LME 3 months unofficial	20,600.00-20,625.00	0.18%	▲	
LME stocks (tonnes)	2,070	5.88%	▲	21 Sep 17
Zinc special high grade \$				
LME cash official	3,112.50-3,113.50	2.34%	▲	22 Sep 17
LME cash unofficial	3,119.00-3,121.00	3.62%	▲	21 Sep 17
LME 3 months official	3,075.00-3,077.00	1.23%	▲	22 Sep 17
LME 3 months unofficial	3,103.00-3,105.00	3.12%	▲	21 Sep 17
LME stocks (tonnes)	263,400	-0.13%	▼	21 Sep 17
Cobalt min 99.3%				
LME cash official	59,000.00-59,500.00	-4.82%	▼	
LME 3 months official	59,000.00-59,500.00	-4.05%	▼	
LME stocks (tonnes)	820.00	7.89%	▲	21 Sep 17
Molybdenum \$				
LME cash official	15,500.00-16,000.00	0%		
LME 3 months official	15,500.00-16,000.00	0%		
LME stocks (tonnes)	0.00	0%		21 Sep 17

[†] week-on-week change

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Gold \$/troy oz	Price	Change	Assessed
London morning	1,297.00	-2.11%	▼ 22 Sep 17
London afternoon	1,292.10	-2.45%	▼ 21 Sep 17
Handy/Harman	1,292.10	-2.45%	▼ 21 Sep 17
Silver per troy oz			
London spot pence	1,251.66	-3.96%	▼ 22 Sep 17
London spot cents	1,697.00	-4.12%	▼ 22 Sep 17
Handy/Harman	1,702.50	-3.9%	▼ 21 Sep 17
Palladium \$/troy oz			
London morning	914.00	-2.87%	▼ 21 Sep 17
London afternoon	916.00	-1.82%	▼ 21 Sep 17
Platinum \$/troy oz			
London morning	940.00	-3.89%	▼ 21 Sep 17
London afternoon	933.00	-4.8%	▼ 21 Sep 17
Kuala Lumpur tin market			
Tin \$/tonne	20,650.00	-0.48%	▼ 21 Sep 17
ICDX			
Tin PB300 settlement price \$/tonne	20,500.00	-0.61%	▼ 22 Sep 17
Tin PB300 volume, tonnes	25	-39.02%	▼ 22 Sep 17

RAND FIXING PRICES

Rand fixing prices per tonne for London Metal Exchange trade

	Price	Change [†]	Assessed
Copper	84,980.90	0.32%	▲ 22 Sep 17
Aluminium	28,353.50	4.51%	▲ 22 Sep 17
Lead	32,871.22	8.14%	▲ 22 Sep 17
Zinc	41,309.61	3.51%	▲ 22 Sep 17
Nickel	140,374.38	-2.77%	▼ 22 Sep 17
Tin	276,569.38	1.96%	▲ 22 Sep 17

EXCHANGE RATES

	Price	Change [†]	Assessed
LME settlement conversion rates			
\$/£	1.3561	-0.04%	▼ 22 Sep 17
\$/¥	112.0200	0.69%	▲ 22 Sep 17
\$/€	1.1963	0.12%	▲ 22 Sep 17
Closing rates, midpoint			
\$/£	1.3544	1.45%	▲ 21 Sep 17
\$/¥	112.4250	1.6%	▲ 21 Sep 17
\$/€	1.1923	0.42%	▲ 21 Sep 17
£/€	1.1360	1.03%	▲ 21 Sep 17
\$/CNY	6.5950	0.61%	▲ 21 Sep 17

BASE METALS ARBITRAGE

	Price	Change [†]	Assessed
Aluminium			
Import arbitrage, \$/tonne	-195.02*	33.93%	▲ 22 Sep 17
Import arbitrage, RMB/tonne	-1,288.78*	35.01%	▲ 22 Sep 17
Copper			
Import arbitrage, \$/tonne	-62.03*	122.65%	▲ 22 Sep 17
Import arbitrage, RMB/tonne	-409.91*	124.47%	▲ 22 Sep 17
Nickel			
Import arbitrage, \$/tonne	15.34*	-114.77%	▼ 22 Sep 17
Import arbitrage, RMB/tonne	101.36*	-114.89%	▼ 22 Sep 17
Zinc			
Import arbitrage, \$/tonne	93.47*	-682.73%	▼ 22 Sep 17
Import arbitrage, RMB/tonne	617.69*	-687.44%	▼ 22 Sep 17

MB BASE METAL PREMIUMS

All prices \$/tonne unless otherwise stated

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	Price	Change [†]	Assessed
Copper			
Annual premium 8mm wire rod, cif Nhava Sheva, \$/tonne	160-190*	-12.5%	▼ 03 May 17
Rotterdam, Grade A, cathode, cif, \$/tonne	40.0-45.0*	0%	19 Sep 17
North European warrants, Grade A cathode, in-warehouse, \$/tonne	5.0-15.0*	0%	19 Sep 17
Leghorn, copper low-high premium, Grade A, cathode, cif, \$/tonne	50.0-55.0*	0%	19 Sep 17
Leghorn, copper average premium, Grade A, cathode, cif, \$/tonne	52.00*	0%	19 Sep 17
South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne	60.0-65.0*	0%	19 Sep 17
South Korea, copper average premium, Grade A, cathode, cif, \$/tonne	62.00*	0%	19 Sep 17
Southeast Asian warrants, Grade A cathode, in-warehouse, \$ per tonne	5.0-10.0*	0%	19 Sep 17
Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne	60.0-72.0*	0%	22 Sep 17
Shanghai, copper average premium, Grade A, cathode, in-warehouse, \$/tonne	67.00*	3.08%	▲ 22 Sep 17
Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne	55.0-68.0*	6.96%	▲ 22 Sep 17
Shanghai, copper average premium, Grade A, cathode, cif, \$/tonne	58.00*	3.57%	▲ 22 Sep 17
MB free market US: High-grade cathode premium indicator, \$/tonne	110.2-121.3*	0%	19 Sep 17
Aluminium			
Aluminium P1020A, in-whs Rotterdam duty unpaid, spot low-high, \$/tonne	85.0-95.0*	0%	22 Sep 17
Aluminium P1020A, in-warehouse Rotterdam duty unpaid, spot weighted average, \$/tonne	90.00*	0%	22 Sep 17
Aluminium P1020A, cif Korea (Gwangyang or Busan), spot low-high, \$/tonne	75.00-90.00*	0%	19 Sep 17
Aluminium P1020A, cif Korea (Gwangyang or Busan), spot weighted average, \$/tonne	86.00*	0%	19 Sep 17
Aluminium P1020A, Southeast Asian warrants, in-warehouse, \$/tonne	5.0-20.0*	0%	19 Sep 17
Aluminium P1020A, cif Shanghai, spot low-high, \$/tonne	90.0-100.0*	0%	19 Sep 17
Aluminium P1020A, cif Shanghai, spot weighted average, \$/tonne	95.00*	0%	19 Sep 17
Aluminium P1020A, cif main Japanese ports, spot low-high, \$/tonne	80.0-95.0*	0%	19 Sep 17
Aluminium P1020A, cif main Japanese ports, spot weighted average, \$/tonne	88.00*	0%	19 Sep 17
Aluminium ingot ADC 12 spot, main Japanese ports, \$/tonne	1,970*	0%	20 Sep 17
Aluminium P1020A, cif main Japanese ports, quarterly, \$/tonne	118.0-119.0*	-7.42%	▼ 20 Jun 17
Aluminium extrusion billet premium 6063 cif Japan, yearly, \$/tonne	140.0-170.0*	0%	13 Jan 17
Aluminium P1020A, in-warehouse Rotterdam duty-paid, spot \$/tonne	148.0-155.0*	1%	▲ 22 Sep 17
Aluminium 6063 extrusion billet, in-whs Rotterdam duty-paid, spot, \$/tonne	340.0-360.0*	0.72%	▲ 15 Sep 17
Aluminium P1020A, delivered US midwest, spot, \$/lb	0.083-0.088*	4.62%	▲ 19 Sep 17
Aluminium P1020A, delivered Sao Paulo region, spot, \$/tonne	200.0-230.0*	4.88%	▲ 19 Sep 17

† week-on-week change

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	Price	Change	Assessed
Aluminium P1020A, cif Brazilian main ports duty-unpaid, spot, \$/tonne	140.0–150.0*	1.75% ▲	19 Sep 17
Aluminium 6063 + 6060 extrusion billet, cif Brazilian main ports, spot (premium over LME cash), \$/tonne	280.0–290.0*	0%	15 Sep 17
Lead			
North European warrants, min 99.97% ingots, in-warehouse, \$/tonne	10.0–20.0*	0%	19 Sep 17
Southeast Asian warrants, min 99.97% ingots, in-warehouse, \$/tonne	15.0–20.0*	16.67% ▲	19 Sep 17
USA lead premium 99.97%, delivered domestic, \$/lb	0.10–0.11*	0%	19 Sep 17
USA lead premium 99.97%, delivered domestic, cents/lb	9.50–11.00*	0%	19 Sep 17
USA lead premium 99.99%, delivered domestic, cents/lb	11.00–12.50*	0%	19 Sep 17
Nickel			
Shanghai, nickel low-high premium, 99.8% purity in-warehouse, \$/tonne	220.0–240.0*	0%	19 Sep 17
Shanghai, nickel average premium, 99.8% purity in-warehouse, \$/tonne	230.00*	2.22% ▲	19 Sep 17
Shanghai, nickel low-high premium, 99.8% purity, full plate, cif, \$/tonne	205.0–225.0*	0%	19 Sep 17
Shanghai, nickel premium, 99.8% purity full plate, cif, \$/tonne	215.00*	0%	19 Sep 17
Southeast Asian warrants, min 99.80% full plates, in-warehouse, \$/tonne	70–120*	0%	19 Sep 17
Southeast Asian warrants, min 99.80% briquettes, in-warehouse, \$/tonne	5–10*	–40% ▼	19 Sep 17
uncut cathodes premium indicator	160.0–190.0*	0%	19 Sep 17
4x4 cathodes premium indicator	280.0–330.0*	0%	19 Sep 17
briquettes premium indicator	240.0–260.0*	0%	19 Sep 17
US: melting premium indicator, \$/lb	0.220–0.270*	0%	19 Sep 17
Tin			
MB European free market			
Spot premium 99.9%, \$/tonne	345–375*	0%	19 Sep 17
Spot premium 99.85%, \$/tonne	300–325*	0%	19 Sep 17
United States New York spot, cents/lb	961–962	–0.41% ▼	21 Sep 17
Zinc			
North European warrants, min 99.995% SHG ingots, \$/tonne	80.0–90.0*	0%	19 Sep 17
MB EU: Special high grade, fca Rotterdam, \$/tonne	135.0–147.0*	0.71% ▲	19 Sep 17
Malaysia in-warehouse, 99.995% SHG ingots, \$/tonne	85.0–95.0*	–5.26% ▼	19 Sep 17
Singapore, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne	85.0–95.0*	–5.26% ▼	19 Sep 17
Singapore, zinc average premium, 99.995% purity, in-warehouse, \$/tonne	90.00*	–5.26% ▼	19 Sep 17
Shanghai, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne	170.0–180.0*	0%	19 Sep 17
Shanghai, zinc average premium, 99.995% purity, in-warehouse, \$/tonne	176.00*	0%	19 Sep 17
MB US: Special high grade, \$/lb	0.083–0.093*	0%	19 Sep 17

BASE METALS			
	Price	Change†	Assessed
Alumina			
MB Chinese free market, metallurgical grade, delivered duty paid, RMB/tonne	3,350.0–3,500.0*	6.2% ▲	21 Sep 17
Alumina Index fob Australia	384.16*	2.56% ▲	21 Sep 17
Alumina Index fob Brazil	–2.71*		14 Sep 17
Alumina Index fob Brazil, inferred Brazil price \$ per dry metric ton	371.87*		14 Sep 17
Bauxite			
fob Kamsar, Guinea \$/tonne per dmtu	37*	0%	14 Sep 17
fob Trombetas, Brazil \$/tonne per dmtu	36*	0%	14 Sep 17
Copper & Brass			
Producer premium			
Codelco: Contract 2016 Grade A cathode (average)	92.0	–17.86% ▼	04 Jan 16
Germany: (VDM) Electro, €/tonne wirebar (DEL):	5,502.6–5,528.8	–0.28% ▼	20 Sep 17
cathodes:	5,470.0–5,530.0	–0.36% ▼	20 Sep 17
South Africa: Palabora copper rod 7.90mm, Rand/tonne	97,753.280	8.99% ▲	01 Sep 17
Copper concentrate Asia-Pacific Index RC import, US cents/lb (twice monthly on 15th and last day of month)	8.42–8.42*	5.65% ▲	15 Sep 17
Copper concentrate Asia-Pacific Index TC import, \$/dmt (twice monthly on 15th and last day of month)	84.20–84.20*	5.65% ▲	15 Sep 17
Shanghai bonded copper stocks, tonnes	505,000–515,000*	0.99% ▲	11 Sep 17
Nickel			
Nickel pig iron high grade NPI content 10–15% contract price delivered duty paid China RMB per nickel unit price	1,015.00–1,025.00*	0%	19 Sep 17
Nickel pig iron high grade NPI content 10–15% spot price China RMB per nickel unit price	930.00–950.00*	–7.39% ▼	19 Sep 17
Nickel ore			
Laterite ore with 1.5% nickel content cif China, \$/tonne	43–45*	0%	19 Sep 17
Nickel ore 1.8% basis cif China, 15–20% Fe, water content: 30–35%, Si:Mg ratio less than 2, lot size 50,000 tonnes, \$/tonne	58–60*	0%	19 Sep 17
Lead			
Germany: (VDM) virgin soft, €/tonne	2,190.00–2,230.00	6.25% ▲	20 Sep 17
European automotive battery premium free market (Eurobat)			
in-warehouse Rotterdam €/tonne			
Soft lead (average)	155.37*	–0.12% ▼	01 Jun 17
Ca/Ca grid grid lead (average)	445.91*	–0.19% ▼	01 Jun 17
Connector lead (average)	591.42*	0.69% ▲	01 Jun 17
European industrial battery premium free market (Eurobat)			
in-warehouse Rotterdam €/tonne			
Stand-by refined or soft lead (average)	280.13*	–0.12% ▼	01 Jun 17
Traction refined or soft lead (average)	279.02	–1.32% ▼	01 Jun 17
For an explanation of these premiums, see http://www.eurobat.org/statistics			
Zinc			
Germany: (VDM) virgin, €/tonne	2,790.00–2,790.00	3.33% ▲	20 Sep 17
UK: Special high grade, delivered monthly average price £/tonne	2,572*	12.22% ▲	01 Sep 17

† week-on-week change

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PRECIOUS METALS			
	Price	Change [†]	Assessed
Iridium			
MB free market: min 99.9%, \$/troy oz in-warehouse	925–1,025*	0%	22 Sep 17
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	970	0%	22 Sep 17
Engelhard base price: \$/troy oz	980	0%	22 Sep 17
Palladium			
European free market: min 99.9%, \$/troy oz in-warehouse	913–923*	–1.08% ▼	22 Sep 17
Engelhard base price: \$/troy oz	923	–1.07% ▼	22 Sep 17
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	920	–1.39% ▼	22 Sep 17
Platinum			
European free market: min 99.9%, \$/troy oz in-warehouse	933–947*	–4.08% ▼	22 Sep 17
Engelhard base price: \$/troy oz	947	–4.05% ▼	22 Sep 17
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	947	–3.76% ▼	22 Sep 17
Rhodium			
European free market: min 99.9%, \$/troy oz in-warehouse	1,110–1,210*	0%	22 Sep 17
Engelhard base price: \$/troy oz	1,160	–0.43% ▼	22 Sep 17
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	1,160	0%	22 Sep 17
Ruthenium			
European free market: min 99.9%, \$/troy oz in-warehouse	62–72*	0%	22 Sep 17
Engelhard base price: \$/troy oz	66	0%	22 Sep 17
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	65	0%	22 Sep 17
MINOR METALS			
	Price	Change [†]	Assessed
Antimony			
MB free market Regulus, min 99.65%, max Se 50 ppm, max 100 ppm Bi, \$/tonne in-warehouse Rotterdam	8,350–8,600*	–0.29% ▼	22 Sep 17
MMTA Standard Grade II, \$/tonne in-warehouse Rotterdam	8,300–8,500*	–0.3% ▼	22 Sep 17
MB Chinese free market MMTA Standard Grade II, delivered duty paid RMB/tonne	53,000–54,000*	–0.93% ▼	20 Sep 17
Arsenic			
MB free market \$/lb	0.90–1.25*	0%	15 Sep 17
Bismuth			
MB free market \$/lb	5.10–5.30*	0%	22 Sep 17
MB China domestic, min 99.99%, RMB/tonne	67,000–68,000*	–2.53% ▼	22 Sep 17
Cadmium			
MB free market min 99.95% cents/lb	69.00–78.00*	4.26% ▲	22 Sep 17
MB free market min 99.99% cents/lb	71.00–82.00*	0%	22 Sep 17
Chromium			
MB free market alumino-thermic min 99% \$/tonne	7,500–8,000*	0%	22 Sep 17
Cobalt			
MB free market high-grade \$/lb	29.60–30.60*	1.35% ▲	22 Sep 17
MB free market low-grade \$/lb	28.95–30.05*	0.68% ▲	22 Sep 17
MB high-grade, weighted average of all confirmed international trades, \$/lb	30.32*	–0.95% ▼	22 Sep 17
MB low-grade, weighted average of all confirmed international trades, \$/lb	29.44*	–0.44% ▼	22 Sep 17
MB China domestic, min 99.8% RMB/tonne	430,000–453,000*0%		22 Sep 17
Cobalt tetroxide min 72.6% Co delivered China RMB/tonne	365,000–370,000*0%		22 Sep 17

	Price	Change	Assessed
Gallium			
MB free market \$/kg	130–160*	0%	22 Sep 17
MB China domestic, min 99.99%, RMB/kg	940–950*	0%	20 Sep 17
Germanium			
Germanium dioxide MB free market \$/kg	720–800*	0%	22 Sep 17
Germanium metal \$/kg Rotterdam	1,100–1,250*	0%	22 Sep 17
Germanium metal MB China domestic, min 99.999%, RMB/kg	7,300–7,800*	1.34% ▲	20 Sep 17
Hafnium			
Hafnium 1% Zr max, in-warehouse global locations, \$/kg	900–1,000*	0%	15 Sep 17
Indium			
MB free market \$/kg	185–205*	1.3% ▲	22 Sep 17
MB China domestic, min 99.99% RMB/kg	1,200–1,250*	0%	20 Sep 17
Indium Corp ingots min 99.97% \$/kg fob	440.00	–40.94% ▼	26 Jun 15
Magnesium			
European free market \$ per tonne	2,300–2,400*	–4.28% ▼	22 Sep 17
China free market min 99.8% Mg, fob China main ports, \$ per tonne	2,280–2,385*	–0.74% ▼	22 Sep 17
MB Chinese free market min 99% Mg, ex-works RMB/tonne	14,400–15,000*	–0.34% ▼	22 Sep 17
Manganese flake			
MB free market \$/tonne	1,850–1,950*	4.4% ▲	22 Sep 17
Mercury			
MB free market \$ per flask	1,350–1,450*	0%	15 Sep 17
Rhenium in-warehouse Rotterdam duty paid			
Metal pellets, min 99.9% \$/lb	635–735*	0%	15 Sep 17
APR catalytic grade \$/kg Re	1,450–1,600*	0%	15 Sep 17
Selenium			
MB free market \$/lb	14.50–16.00*	0%	22 Sep 17
MB China domestic, min 99.9%, RMB/kg	240–270*	–0.97% ▼	22 Sep 17
Selenium dioxide, MB China domestic, min 98%, RMB/kg	170–180*	–2.78% ▼	22 Sep 17
Silicon			
MB free market €/tonne	2,190–2,300*	2.63% ▲	22 Sep 17
US free market cents/lb	122–126*	3.33% ▲	11 Sep 17
Export from mainland China min 98.5%, \$/tonne fob	1,790–1,880*	–6.85% ▼	22 Sep 17
Tellurium			
MB free market \$/kg	32.00–50.00*	0%	22 Sep 17
MB China domestic, min 99.99%, RMB/kg	350–380*	–1.35% ▼	22 Sep 17
Titanium			
MB free market ferro-titanium 70% (max 4.5% Al) \$/kg Ti d/d Europe	5.05–5.60*	2.9% ▲	20 Sep 17
Titanium ores \$/tonne			
Rutile conc min 95% TiO ₂ bagged, fob/Aus	770–850	0%	21 Sep 17
Rutile bulk conc min 95% TiO ₂ fob/Aus	710–770	0%	21 Sep 17
Ilmenite bulk conc min 54% TiO ₂ fob/Aus	160–185	0%	21 Sep 17

† week-on-week change

continued >>

NOBLE ALLOYS & ORES			
	Price	Change†	Assessed
Molybdenum molybdc oxide			
Europe drummed molybdc oxide \$/lb Mo	8.60–8.70*	-2.81%	▼ 22 Sep 17
US canned molybdc oxide \$/lb Mo	8.80–9.10*	2.29%	▲ 21 Sep 17
Ferro-molybdenum			
Basis 65% min, in-warehouse Rotterdam \$/kg Mo	20.90–21.50*	-2.75%	▼ 22 Sep 17
US free market 65–70% Mo \$/lb in-warehouse Pittsburgh	9.80–10.10*	-1.73%	▼ 21 Sep 17
MB Chinese free market concentrate 45% Mo in-warehouse China RMB/mtu	1,410–1,440*	0.35%	▲ 20 Sep 17
Tungsten			
European free market APT \$/mtu	300–315*	-4.65%	▼ 22 Sep 17
Export from mainland China APT Chinese No1 grade, min 88.5% W03, \$/mtu fob	310–325*	-0.78%	▼ 20 Sep 17
MB Chinese free market concentrate 65% W03 in-warehouse China RMB/tonne	110,000–115,000*	-4.26%	▼ 20 Sep 17
Ferro-tungsten			
Basis 75% W min \$/kg W in-warehouse Rotterdam duty unpaid	42.00–43.00*	-0.58%	▼ 22 Sep 17
China export min 75% \$/kg W, fob China	40.00–43.00*	-5.68%	▼ 20 Sep 17
Vanadium			
Ferro-vanadium basis 78% min, free delivery duty paid consumer plant, 1st grade, Western Europe \$/kg V	43.00–45.70*	-7.6%	▼ 22 Sep 17
US free market ferro-vanadium \$/lb in-warehouse Pittsburgh	21.25–22.00*	0%	21 Sep 17
Vanadium pentoxide min 98%, in-warehouse Rotterdam \$ per lb V205	9.70–9.80*	-11.36%	▼ 22 Sep 17
Zircon			
Foundry grade bulk \$/tonne fob Australia	950–1,000	0%	21 Sep 17
Premium bulk \$/tonne fob Australia	1,000–1,050	0%	21 Sep 17
BULK ALLOYS			
	Price	Change†	Assessed
Ferro-chrome \$/lb Cr			
China import charge chrome 50% Cr index, cif Shanghai, duty unpaid	1.05*	-1.87%	▼ 22 Sep 17
Ferro-Chrome European Benchmark Indicator, lumpy Cr charge basis 52% (and high carbon), \$ per lb	1.42*	-2.07%	▼ 22 Sep 17
Spot 6–8% C basis 50% Cr delivered duty paid China RMB/tonne	8,300–8,500*	-1.18%	▼ 22 Sep 17
Contract 6–8% C basis 50% Cr delivered duty paid China RMB/tonne	8,200–8,400*	-1.19%	▼ 22 Sep 17
Lumpy Cr charge basis 52% Cr (and high carbon) quarterly	1.1*	-28.57%	▼ 01 Jul 17
6–8% C basis 60% Cr max 1.5% Si	1.25–1.40*	0.76%	▲ 22 Sep 17
0.10% C average 60–70% Cr	2.20–2.30*	8.43%	▲ 22 Sep 17
European low carbon in-warehouse 0.06% C max – 65% Cr	2.30–2.40*	9.3%	▲ 22 Sep 17
Low phosphorous Cr min 65% C max 7% Si max 1% p max 0.015% Ti max 0.05%	1.30–1.35*	3.92%	▲ 22 Sep 17
Japan import 8–9% C, basis 60% Cr, cif Japan, duty unpaid \$/lb contained chrome	1.06–1.11*	0%	21 Sep 17
South Korea import 8–9% C, basis 60% Cr, cif South Korea, duty unpaid \$/lb contained chrome	1.03–1.07*	0%	21 Sep 17
US free market low carbon duty paid fob Pittsburgh			
US free market in-warehouse Pittsburgh 6–8% C basis 60–65% Cr max 2% Si	1.420–1.500*	0%	21 Sep 17
0.05% C – 65% min Cr	2.15–2.20*	0%	21 Sep 17
0.10% C – 62% min Cr	2.00–2.03*	0%	21 Sep 17
0.15% C – 60% min Cr	1.94–1.99*	0%	21 Sep 17

	Price	Change	Assessed
Chrome ore \$/tonne			
<i>Chrome ore cif main Chinese ports</i>			
South African UG2 chrome ore concs, index basis 42%	234*	-0.85%	▼ 22 Sep 17
Turkish lumpy 40–42% cfr main Chinese ports	350–370*	2.86%	▲ 22 Sep 17
Ferro-manganese			
basis 78% Mn (scale pro rata) standard 7.5% C €/tonne	1,180–1,275*	-0.81%	▼ 22 Sep 17
US free market 78% Mn standard 7.5% C \$/long ton in-warehouse Pittsburgh	1,550–1,600*	0.64%	▲ 21 Sep 17
US free market medium carbon duty paid fob Pittsburgh, 80% min Mn 1.5% max C \$/lb	1.08–1.12*	0%	21 Sep 17
MB Chinese free market min 65% Mn max 7.0% C in-warehouse China RMB/tonne	6,800–7,000*	2.22%	▲ 22 Sep 17
Manganese ore			
44% Mn, cif Tianjin \$/dmu of metal contained	6.58*	2.33%	▲ 22 Sep 17
37% Mn, fob Port Elizabeth \$/dmu of metal contained	5.13*	0.39%	▲ 22 Sep 17
Inventories at the main ports of Tianjin and Qinzhou, million tonnes	2.10–2.20*	-20.37%	▼ 20 Sep 17
Ferro-nickel			
China premium, 26–32% nickel contained, cif China, \$/tonne	150–160*	40.91%	▲ 28 Aug 17
Ferro-silicon			
Lumpy basis 75% Si (scale pro rata) €/tonne	1,410–1,525*	1.91%	▲ 22 Sep 17
US free market \$/lb in-warehouse Pittsburgh lumpy basis 75% Si – imported	0.99–1.05*	-0.97%	▼ 21 Sep 17
Export from mainland China, min 75% Si, 7.5% C, \$/tonne, fob	1,350–1,400*	-5.17%	▼ 22 Sep 17
MB Chinese free market min 75% Si, in-warehouse China, RMB/tonne	6,200–6,500*	-17.53%	▼ 22 Sep 17
Silico-manganese			
Lumpy basis 65–75% Mn basis 15–19% Si (scale pro rata) €/tonne	1,030–1,110*	0.94%	▲ 22 Sep 17
US free market \$/lb in-warehouse Pittsburgh	0.60–0.63*	0%	21 Sep 17
MB Chinese free market min 65% Mn max 17% Si in-warehouse China RMB/tonne	7,350–7,500*	1.02%	▲ 22 Sep 17
65% min Mn 16% min Si \$/tonne fob India	1,180–1,250*	0.41%	▲ 22 Sep 17

† week-on-week change

CARBON STEEL – EUROPE

	Price	Change [†]	Assessed
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Northern Europe imports

Metal Bulletin's appraisal of cfr prices for imported, non-EU origin, commercial-quality carbon steel, € per tonne cfr main EU port

Rebar	490-505*	2.58%	▲ 20 Sep 17
Wire rod (mesh quality)	520-525*	0.97%	▲ 20 Sep 17
Plate (8-40mm)	520-540*	0%	20 Sep 17
Hot rolled coil	530-540*	1.42%	▲ 20 Sep 17
Cold rolled coil	600-610*	0.41%	▲ 20 Sep 17
Hot-dip galvanized coil	680-700*	2.99%	▲ 20 Sep 17

Southern Europe imports

Metal Bulletin's appraisal of cfr prices for imported, non-EU origin, commercial-quality carbon steel, € per tonne cfr main EU port

Rebar	470-480*	0%	20 Sep 17
Wire rod (mesh quality)	485-495*	0%	20 Sep 17
Plate (8-40mm)	510-520*	0%	20 Sep 17
Hot rolled coil	540-550*	1.87%	▲ 20 Sep 17
Cold rolled coil	610-620*	1.65%	▲ 20 Sep 17
Hot-dip galvanized coil	660-680*	1.52%	▲ 20 Sep 17

Southern Europe exports

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

Rebar	485-500*	0.51%	▲ 20 Sep 17
Wire rod (mesh quality)	510-515*	1.49%	▲ 20 Sep 17

Northern Europe domestic

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

Rebar	545-580*	2.74%	▲ 20 Sep 17
Wire rod (mesh quality)	530-550*	2.86%	▲ 20 Sep 17
Sections (medium)	625-660*	0.39%	▲ 20 Sep 17
Beams	560-590*	0.44%	▲ 20 Sep 17

Southern Europe domestic

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

Rebar	510-535*	0%	20 Sep 17
Wire rod (mesh quality)	520-530*	0%	20 Sep 17
Sections (medium)	620-640*	1.2%	▲ 20 Sep 17
Beams	570-600*	0.86%	▲ 20 Sep 17

Central Europe domestic € per tonne ex-works

Hot rolled coil	520-530*	0%	20 Sep 17
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Poland domestic zloty per tonne ex-works

Rebar	2,220-2,290*	2.5%	▲ 22 Sep 17
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Northern Europe € per tonne ex-works

Plate (8-40mm)	580-600*	0%	20 Sep 17
Hot rolled coil	520-540*	0%	20 Sep 17
Cold rolled coil	610-630*	0%	20 Sep 17
Hot-dip galvanized coil	660-675*	0.75%	▲ 20 Sep 17

Southern Europe € per tonne ex-works

Plate (8-40mm)	550-560*	0%	20 Sep 17
Hot rolled coil	520-540*	0%	20 Sep 17
Cold rolled coil	600-630*	0.82%	▲ 20 Sep 17
Hot dip galvanized coil	630-640*	0.79%	▲ 20 Sep 17

CARBON STEEL – NORTH AFRICA

	Price	Change [†]	Assessed
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Algeria imports

Metal Bulletin's appraisal of cfr prices for imported, EU origin, commercial-quality carbon steel, € per tonne cfr main port

Rebar	500-520*	0.49%	▲ 20 Sep 17
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CARBON STEEL – CIS

	Price	Change [†]	Assessed
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CIS exports (Black Sea)

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

Billet index	527*	2.13%	▲ 18 Sep 17
Slab	520-540*	8.16%	▲ 18 Sep 17
Rebar	545-560*	1.38%	▲ 18 Sep 17
Wire rod (mesh)	555-580*	-0.44%	▼ 18 Sep 17
Heavy plate (10-50mm)	575-610*	-0.42%	▼ 18 Sep 17
Hot rolled coil	585-610*	-1.24%	▼ 18 Sep 17
Cold rolled coil	610-640*	-1.57%	▼ 18 Sep 17

CIS domestic

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

Rebar	31,500-32,000*	0%	18 Sep 17
Hot rolled sheet	38,000-43,600*	3.95%	▲ 18 Sep 17
Cold rolled sheet	42,500-46,300*	-0.22%	▼ 18 Sep 17
Plate	37,000-37,050*	0%	18 Sep 17

CARBON STEEL – MIDDLE EAST

	Price	Change [†]	Assessed
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Turkish exports

Metal Bulletin's appraisal of Turkish mills' prices for export of commercial-quality carbon steel, \$ per tonne fob main Turkish port

Billet	530-540*	0%	21 Sep 17
Rebar	550-560*	1.37%	▲ 21 Sep 17
Wire rod (mesh quality)	550-560*	0.45%	▲ 21 Sep 17
Merchant bars	560-570*	2.73%	▲ 21 Sep 17
Structural pipe	710-730*	15.2%	▲ 13 Sep 17
Hot rolled coil	610-615*	2.94%	▲ 22 Sep 17

Turkish domestic

Metal Bulletin's appraisal of prices within Turkey for commercial-quality carbon steel of Turkish origin, \$ per tonne ex-works

Billet	530-540*	0%	21 Sep 17
Rebar	550-560*	-0.89%	▼ 21 Sep 17
Wire rod (mesh quality)	560-570*	-0.88%	▼ 21 Sep 17
Hot rolled coil	625-630*	0.4%	▲ 22 Sep 17
Cold rolled coil	720-730*	-1.36%	▼ 22 Sep 17
Hot dip galvanized	830-860*	-2.03%	▼ 22 Sep 17
Prepainted galvanized	950-965*	-2.3%	▼ 22 Sep 17

Turkish imports

Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr main Turkish port

Billet	530-535*	0%	21 Sep 17
Hot rolled coil	600-630*	-1.6%	▼ 22 Sep 17
Cold rolled coil	640-660*	-0.38%	▼ 22 Sep 17

UAE imports

Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr Jebel Ali

Billet	535-545*	0%	19 Sep 17
Rebar	550-560*	0%	19 Sep 17
Hot rolled coil	610-630*	-0.8%	▼ 19 Sep 17
Cold rolled coil	650-690*	0%	19 Sep 17
Hot dip galvanized coil	740-770*	0%	19 Sep 17

Saudi Arabia imports

Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr

Rebar	555-560*	0%	19 Sep 17
Hot rolled coil	610-640*	-0.4%	▼ 19 Sep 17

† week-on-week change

	Price	Change	Assessed
UAE domestic			
<i>Metal Bulletin's appraisal of prices within UAE for commercial-quality carbon steel of UAE origin, dirhams per tonne ex-works</i>			
Rebar	2,186–2,205*	0%	19 Sep 17
Iran imports			
<i>Metal Bulletin's appraisal of prices quoted by overseas suppliers for commercial-quality carbon steel to Iranian buyers, \$ per tonne cfr Iranian northern ports</i>			
Cold rolled coil	620–625*	–1.74% ▼	20 Sep 17
Hot rolled coil	583–610*	0.17% ▲	20 Sep 17
Hot dip galvanized coil	705–713*	0.57% ▲	20 Sep 17
Egyptian domestic			
<i>Metal Bulletin's appraisal of prices within Egypt for commercial-quality carbon steel of Egyptian origin, £ per tonne ex-works</i>			
Rebar	11,700–11,970*	1.28% ▲	21 Sep 17
Egyptian import			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr main port</i>			
Billet	535–545*	–0.46% ▼	21 Sep 17

CARBON STEEL – LATIN AMERICA

	Price	Change†	Assessed
Latin American exports			
<i>Metal Bulletin's appraisal of Latin American mills' prices for export outside Latin America of commercial-quality carbon steel, \$ per tonne fob stowed main Latin American port</i>			
Billet	510–520*	0%	22 Sep 17
Slab, Brazil	500–510*	0%	22 Sep 17
Rebar	560–565*	0%	22 Sep 17
Wire rod mesh quality	560–565*	0%	22 Sep 17
Heavy plate over 10mm	545–560*	0%	22 Sep 17
Hot rolled coil (dry)	595–600*	0%	22 Sep 17
Cold rolled coil	640–645*	3.21% ▲	22 Sep 17
Galvanized coil	800–810*	0%	22 Sep 17
South America imports			
<i>Metal Bulletin's appraisal of cfr prices for imported, commercial-quality carbon steel, \$ per tonne cfr main ports</i>			
Plate	585–595*	0%	22 Sep 17
Hot rolled coil	620–630*	0%	22 Sep 17
Cold rolled coil	650–660*	0%	22 Sep 17
Galvanized coil	725–730*	–0.68% ▼	22 Sep 17
Argentina domestic \$ per tonne ex-works			
<i>Metal Bulletin's appraisal of prices within Argentina for commercial-quality carbon steel, \$ per tonne</i>			
Hot rolled coil	685–700*	1.84% ▲	08 Sep 17
Cold rolled coil	825–835*	2.15% ▲	08 Sep 17
Galvanized coil	1,050–1,140*	0%	08 Sep 17
Rebar	840–850*	0%	08 Sep 17
Brazil domestic			
<i>Metal Bulletin's appraisal of prices within Brazil for commercial-quality carbon steel, Reals per tonne ex-works</i>			
Hot rolled coil	3,540–3,670*	12.48% ▲	08 Sep 17
Cold rolled coil	3,700–3,810*	12.93% ▲	08 Sep 17
Hot dip galvanized coil	3,870–4,030*	13.02% ▲	08 Sep 17
<i>Metal Bulletin's appraisal of prices within Brazil for commercial-quality carbon steel, Reals per tonne delivered</i>			
Rebar	3,250–3,410*	0%	08 Sep 17

† week-on-week change

CARBON STEEL – NAFTA

	Price	Change†	Assessed
US imports			
<i>Metal Bulletin's appraisal of prices for imported, non-Nafta origin, commercial-quality carbon steel, \$ per short ton cfr port Houston</i>			
Rebar	535–544*	0%	20 Sep 17
Merchant bars	600–620*	7.02% ▲	25 Aug 17
Wire rod (low carbon)	572–581*	11.51% ▲	13 Sep 17
Medium sections	590–610*	0%	24 Aug 17
Medium plate	600–640*	–1.59% ▼	20 Sep 17
Hot rolled coil (commodity)	580–620*	0%	20 Sep 17
Cold rolled coil	725–760*	2.41% ▲	20 Sep 17
Hot dipped galvanized 0.012–0.015, G30	960–1,010*	3.68% ▲	20 Sep 17
ERW linepipe (X42)	850–880*	2.98% ▲	29 Aug 17
OCTG API5CT – casing J55	870–900*	–4.32% ▼	29 Aug 17

US domestic

<i>AMM's appraisal of prices within the USA for commercial-quality carbon steel of US or Canadian origin, \$ per short ton, delivery terms as indicated</i>			
Rebar (fob mill)	565–600*	0%	20 Sep 17
Wire rod (mesh quality fob mill)	570–570*	0%	13 Sep 17
Plate (fob mill)	690–690*	0%	15 Sep 17
Hot rolled sheet index (fob mill)	620–620*	–1.74% ▼	14 Sep 17
Cold rolled sheet (fob mill)	810–810*	–2.41% ▼	21 Sep 17
Hot-dip galvanized (base) Midwest (fob mill)	800–800*	–2.44% ▼	21 Sep 17
ERW linepipe (X42) (fob mill)	990–990*	0%	13 Jun 17
OCTG API5CT – casing J55 (fob mill)	1,050–1,100*	–13.83% ▼	29 Aug 17
<i>AMM's appraisal of prices within the USA for commercial-quality carbon steel of US or Canadian origin, \$ per hundredweight, delivery terms as indicated</i>			
Merchant bar 3 x 3 1/4 angle (fob mill)	33.25–33.25*	0%	25 Aug 17

CARBON STEEL – ASIA

	Price	Change†	Assessed
China exports			
<i>Metal Bulletin's appraisal of Chinese mills prices for export of commercial-quality carbon steel, \$ per tonne fob main China port</i>			
Rebar	560–575*	0%	19 Sep 17
Wire rod (mesh quality)	590–600*	–1.65% ▼	19 Sep 17
Heavy plate	550–555*	–1.34% ▼	19 Sep 17
Hot rolled coil	580–600*	0.43% ▲	19 Sep 17
Cold rolled coil	615–620*	0.82% ▲	19 Sep 17
Galvanized coil 1mm	670–675*	0.37% ▲	19 Sep 17
Eastern China domestic			
<i>Metal Bulletin's appraisal of prices in eastern China for commercial-quality carbon steel of Chinese origin, yuan per tonne ex-warehouse</i>			
Rebar	3,820–3,890*	–4.1% ▼	22 Sep 17
Wire rod (mesh)	3,980–4,080*	–3.12% ▼	22 Sep 17
Sections	4,100–4,140*	–0.96% ▼	22 Sep 17
Plate	3,990–4,030*	–2.43% ▼	22 Sep 17
Hot rolled coil (min 2mm)	3,940–3,980*	–5.15% ▼	22 Sep 17
Cold rolled coil (0.5 – 2 mm)	4,530–4,580*	3.29% ▲	22 Sep 17
Hot-dip galvanized coil	4,740–4,840*	–2.64% ▼	22 Sep 17
Northern China domestic			
<i>Metal Bulletin's appraisal of prices in northern China for commercial-quality carbon steel of Chinese origin (Tangshan), yuan per tonne ex-works</i>			
Billet	3,620–3,620*	–2.69% ▼	22 Sep 17
<i>Metal Bulletin's appraisal of prices in northern China for commercial-quality carbon steel of Chinese origin, yuan per tonne ex-warehouse</i>			
Hot rolled coil	3,920–3,940*	–5.07% ▼	22 Sep 17
Rebar	3,770–3,940*	–3.02% ▼	22 Sep 17

	Price	Change	Assessed
Southern China domestic			
<i>Metal Bulletin's appraisal of prices in southern China for commercial-quality carbon steel of Chinese origin, yuan per tonne ex-warehouse</i>			
Rebar	4,250–4,300*	-2.51% ▼	22 Sep 17
Wire rod (mesh)	4,100–4,200*	-5.47% ▼	22 Sep 17
Sections	4,300–4,350*	0% ▼	22 Sep 17
Plate	4,200–4,230*	-1.06% ▼	22 Sep 17
Hot rolled coil (min 2mm)	4,100–4,150*	-4.95% ▼	22 Sep 17
Cold rolled coil (0.5 – 2 mm)	4,530–4,580*	-2.57% ▼	22 Sep 17
Hot-dip galvanized coil	4,750–4,850*	-2.83% ▼	22 Sep 17
Southeast Asia imports			
<i>Metal Bulletin's appraisal of prices in Southeast Asia for commercial-quality carbon steel, \$ per tonne cfr</i>			
Billet	540–555*	1.39% ▲	18 Sep 17
Slab (Asia/East Asia)	530–535*	4.41% ▲	18 Sep 17
Hot rolled coil (Vietnam)	590–605*	0.84% ▲	18 Sep 17
Rebar (Singapore)	555–575*	0% ▼	18 Sep 17
Wire rod (low carbon)	600–610*	0.83% ▲	18 Sep 17
Indian exports			
<i>Metal Bulletin's appraisal of Indian mills' prices for export of commercial-quality carbon steel, \$ per tonne fob main India port</i>			
Billet	520–525*	-0.48% ▼	22 Sep 17
Plate (12–40mm)	570–600*	4% ▲	22 Sep 17
Hot rolled coil (commodity)	600–605*	-2.03% ▼	22 Sep 17
Hot-dip galvanized coil	800–820*	-3.57% ▼	22 Sep 17
Indian imports			
<i>Metal Bulletin's appraisal of prices for imported, non-EU origin, commercial-quality carbon steel, \$ per tonne cfr main India port</i>			
Plate (20–60mm)	570–575*	-0.43% ▼	22 Sep 17
Hot rolled coil (commodity)	610–620*	0% ▼	22 Sep 17
Hot rolled coil (CR grade)	610–620*	0% ▼	22 Sep 17
Cold rolled	630–650*	-0.78% ▼	22 Sep 17
Indian domestic			
<i>Metal Bulletin's appraisal of prices within India for commercial-quality carbon steel, rupees per tonne ex-works</i>			
Billet	26,600–26,900*	0.19% ▲	22 Sep 17
Heavy plate	39,500–40,000*	0% ▼	22 Sep 17
Hot rolled coil	40,500–41,000*	0% ▼	22 Sep 17
Cold rolled coil	45,000–45,500*	0% ▼	22 Sep 17
DRI	17,400–17,800*	0% ▼	22 Sep 17
Hot-dip galvanized coil	50,000–50,500*	0% ▼	22 Sep 17
Rebar	29,600–29,900*	0.68% ▲	22 Sep 17

STEELBENCHMARKER™ PRICES

	Price	Change [†]	Assessed
Region: USA east of the Mississippi			
Standard plate (\$/metric tonne)	795	1.53% ▲	11 Sep 17
Standard plate (\$/short ton)	721	1.41% ▲	11 Sep 17
Hot rolled coil (\$/metric tonne)	702	1.15% ▲	11 Sep 17
Hot rolled coil (\$/short ton)	637	1.11% ▲	11 Sep 17
Cold rolled coil (\$/metric tonne)	880	0.46% ▲	11 Sep 17
Cold rolled coil (\$/short ton)	798	0.38% ▲	11 Sep 17
Region: Mainland China			
Rebar	536	2.68% ▲	11 Sep 17
Standard plate	536	6.14% ▲	11 Sep 17
Hot rolled coil	551	4.95% ▲	11 Sep 17
Cold rolled coil	624	4.17% ▲	11 Sep 17
Region: World export market			
Hot rolled coil (\$/metric tonne)	561	4.66% ▲	11 Sep 17

STAINLESS STEEL

	Price	Change [†]	Assessed
Asia import			
\$/tonne cif East Asian port			
Grade 304 2mm CR coil 2B	2,170–2,220*	-5.59% ▼	20 Sep 17
Grade 304 HR sheet	2,100–2,150*	-7% ▼	20 Sep 17
China domestic			
yuan/tonne, in-warehouse			
Grade 304 2mm CR coil	15,500–15,900*	-5.71% ▼	21 Sep 17
Grade 430 2mm CR coil	10,100–10,200*	-0.98% ▼	21 Sep 17
EU export			
€/tonne fob N. European port			
Min 100 tonne lot			
Grade 304 2mm CR sheet	2,112–2,200*	0.47% ▲	22 Sep 17
EU domestic			
2mm 304 cold rolled stainless sheet, €/tonne			
N. Europe Base price	1,070–1,090*	0.93% ▲	22 Sep 17
Alloy surcharge	1,042–1,110*	0% ▼	22 Sep 17
2mm 316 cold rolled stainless sheet, €/tonne			
Base price	1,370–1,390*	0.55% ▲	22 Sep 17
Alloy surcharge	1,496–1,614*	0% ▼	22 Sep 17
304 stainless steel bright bar, €/tonne			
Base price	975–1,000*	2.6% ▲	22 Sep 17
Alloy surcharge	1,260–1,331*	0% ▼	22 Sep 17
US domestic			
<i>AMM's appraisal of prices within the USA for commercial-quality stainless steel of US or Canadian origin, \$ per hundredweight, fob</i>			
Grade 304 coiled plate	99–99*	7.03% ▲	08 Sep 17
Grade 316 coiled plate	135–135*	8.03% ▲	08 Sep 17
Grade 304 cold rolled sheet	120–120*	7.17% ▲	08 Sep 17
Grade 316L cold rolled sheet	157–157*	7.93% ▲	08 Sep 17
Raw materials index			
EU domestic stainless steel \$ per tonne			
304 Europe raw materials index	1,356.00*	-2.12% ▼	18 Sep 17

CHINA IRON ORE

cfr main China port \$ per dry metric tonne

	Price	Change [†]	Assessed
Iron ore index (62% Fe)	63.56*	-11.88% ▼	22 Sep 17
Iron ore pellet index cfr Qingdao (65% Fe)	121.87*	-4.37% ▼	22 Sep 17
Iron ore concentrate index cfr Qingdao (66% Fe)	85.07*	-8.07% ▼	22 Sep 17
Metal Bulletin Indicator for US\$/% Fe in iron ore fines cfr Qingdao	1.20*	18.81% ▲	04 Sep 17

IRAN IRON ORE

cfr China US \$ per tonne

	Price	Change [†]	Assessed
Iron ore fines index (60% Fe)	58.29–58.29*	-10.28% ▼	20 Sep 17

COKING COAL

\$ per metric tonne

	Price	Change [†]	Assessed
Premium hard coking coal cfr China	199.87–199.87*	-5.11% ▼	22 Sep 17
Hard coking coal cfr China	178.91–178.91*	-6.43% ▼	22 Sep 17
Premium hard coking coal fob Australia	201.52–201.52*	-2.39% ▼	22 Sep 17
Hard coking coal fob Australia	174.97–174.97*	-2.67% ▼	22 Sep 17
China hard coking coal Shanxi spot market domestic delivered yuan/tonne	1,440–1,750*	0% ▼	22 Sep 17
65% CSR coke \$/tonne fob Tianjin	370–380*	0% ▼	19 Sep 17

continued >>

FERROUS SCRAP				
	Price	Change [†]	Assessed	
UK ferrous scrap domestic				
<i>The following is Metal Bulletin's evaluation of UK prices for processed scrap delivered to consumers within the month listed. Prices may vary according to region and destination, and should be read in conjunction with editorial comment on the Ferrous scrap pages.</i>				
<i>£/tonne</i>				
Cut grades				
0A plate and structural	215–240*	8.33% ▲	13 Sep 17	
1&2 old steel	195–220*	9.21% ▲	13 Sep 17	
12A/C new production heavy and shovellable steel	220–245*	8.14% ▲	13 Sep 17	
12D new production heavy and shovellable steel	225–250*	7.95% ▲	13 Sep 17	
Bales and cuttings				
4A new steel bales	225–250*	7.95% ▲	13 Sep 17	
4C new steel bales	215–240*	8.33% ▲	13 Sep 17	
8A new loose light cuttings	210–240*	7.14% ▲	13 Sep 17	
8B new loose light cuttings	195–225*	7.69% ▲	13 Sep 17	
Turnings				
UK inter-merchant 7B heavy steel turnings	170–190*	5.88% ▲	13 Sep 17	
Cast iron				
9A/10 heavy and light cast iron	195–220*	6.41% ▲	13 Sep 17	
9B/C cylinder block scrap	215–240*	5.81% ▲	13 Sep 17	
11A cast iron borings	140–160*	7.14% ▲	13 Sep 17	
<i>Prices relate to new UK scrap specifications</i>				
<i>Please see MB.com for full explanation of price changes</i>				
UK intermerchant weekly price				
<i>£/tonne</i>				
5C loose old light	85–120*	–8.89% ▼	22 Sep 17	
UK ferrous scrap export				
<i>MB assessment \$/tonne cfr main UK port</i>				
HMS 1&2 (80:20 mix)	303–305*	–8.3% ▼	22 Sep 17	
Shredded	308–310*	–8.17% ▼	22 Sep 17	
Indian imports				
<i>MB assessment \$/tonne cfr Nhava Sheva</i>				
MB index cfr India shredded	334.77*	0.39% ▲	22 Sep 17	
HMS 1&2 (80:20 mix)	295–308*	0.5% ▲	22 Sep 17	
Alloy steel scrap domestic				
<i>UK wholesale merchants' stainless (£/tonne)</i>				
18/8 solids	850–880*	–2.81% ▼	22 Sep 17	
18/8 turnings	725–750*	–2.64% ▼	22 Sep 17	
12–13% Cr solids	180–220*	0%	22 Sep 17	
16–17% Cr solids	210–250*	0%	22 Sep 17	
Cif Europe stainless € per tonne				
18/8 solids	1,030–1,050*	–1.89% ▼	22 Sep 17	
18/8 turnings	925–945*	–2.09% ▼	22 Sep 17	
Rotterdam export				
<i>MB assessment \$/tonne fob Rotterdam</i>				
MB index fob Rotterdam HMS 1&2 (80:20)	315.45*	–2.56% ▼	22 Sep 17	
HMS 1&2 (70:30 mix)	292–294*	–8.58% ▼	22 Sep 17	
Shredded	302–304*	–8.32% ▼	22 Sep 17	
Turkish import				
<i>MB assessment \$/tonne cfr main Turkish ports</i>				
MB index cfr Turkey HMS 1&2 (80:20) (North Europe material)	315.72*	–6.92% ▼	22 Sep 17	
MB index cfr Turkey HMS 1&2 (80:20) (United States material)	324.76*	–7.04% ▼	22 Sep 17	
HMS 1&2 (75:25 mix)	309–311*	–8.15% ▼	22 Sep 17	
Shredded	329–331*	–7.69% ▼	22 Sep 17	

	Price	Change	Assessed	
Turkish domestic				
<i>MB assessment delivered</i>				
Melting scrap from shipbreaking (\$/tonne)	347.00–350.00*	–3.06% ▼	18 Sep 17	
Auto bundle scrap (Turkish lira/tonne)	1,100.00–1,220.00*	–3.73% ▼	18 Sep 17	
USA export				
<i>AMM ferrous scrap export index \$/tonne East Coast job New York</i>				
HMS 1&2 (80:20)	335.00*	0%	20 Sep 17	
Shredded	340.00*	0%	20 Sep 17	
USA domestic				
<i>AMM Midwest index \$/gross ton delivered mill</i>				
No1 heavy melting scrap	276.92*	0.78% ▲	11 Sep 17	
No1 busheling	374.91*	0.31% ▲	11 Sep 17	
Shredded	296.86*	–0.48% ▼	11 Sep 17	
China domestic				
<i>yuan/tonne delivered mill</i>				
Heavy scrap	1,710–1,930*	–2.67% ▼	22 Sep 17	
Taiwan import				
<i>\$/tonne cfr main port</i>				
HMS 1&2 (80:20 mix) (USA material)	285–290*	–0.86% ▼	22 Sep 17	
Germany domestic				
<i>€/tonne composite sales price ex-yard, source: BDSV</i>				
No E2/8 (new steel scrap)	255.40	4.67% ▲	01 Sep 17	
No E1 (old steel scrap)	235.90	2.7% ▲	01 Sep 17	
No E3 (old thick steel scrap)	253.80	3.38% ▲	01 Sep 17	
No E40 (shredded steel scrap)	260.20	3.71% ▲	01 Sep 17	
No E5 (steel turnings)	212.70	5.87% ▲	01 Sep 17	
<i>MB assessment €/tonne delivered at mill</i>				
Grade E40 (shredded steel scrap)	270–280	1.85% ▲	18 Sep 17	
No E8 (thin new production steel scrap)	270–280	0.92% ▲	18 Sep 17	
No E3 (old thick scrap)	260–270	2.91% ▲	18 Sep 17	
Italy domestic				
<i>MB assessment €/tonne delivered at mill</i>				
No E3 (old thick scrap)	275.00	4.67% ▲	19 Sep 17	
No E8 (thin new production steel)	290.00	4.42% ▲	19 Sep 17	

SCRAP SUBSTITUTES

	Price	Change [†]	Assessed	
EU imports \$/tonne				
Pig iron imports cif Italy	370–390*	0%	21 Sep 17	
Latin American exports \$/tonne, delivery terms as stated				
Hot briquetted iron Venezuela	250–260*	0%	22 Sep 17	
Pig iron fob Vitoria/Rio	360–370*	0%	22 Sep 17	
Pig iron fob Ponta da Maderia	380–385*	0%	22 Sep 17	
US imports \$/tonne cfr Gulf of Mexico				
Pig iron	390–395*	0%	22 Sep 17	
CIS exports \$/tonne fob main port				
Pig iron Baltic Sea	410–415*	–1.2% ▼	21 Sep 17	
Pig iron Black Sea	350–370*	0%	21 Sep 17	
China domestic yuan/tonne delivered warehouse				
Pig iron	2,750–2,850*	2.94% ▲	22 Sep 17	

† week-on-week change

continued >>

NON-FERROUS SCRAP EUROPE			
	Price	Change†	Assessed
Aluminium			
European free market MB assessment €/tonne			
Floated frag	1,250–1,310*	0%	22 Sep 17
Cast	1,160–1,230*	0%	22 Sep 17
Mixed turnings 6%	1,120–1,170*	0%	22 Sep 17
Germany per 1000kg			
Pure cuttings	1,410–1,490	1.4% ▲	20 Sep 17
Commercial cast	1,250–1,360	-0.38% ▼	20 Sep 17
H9 extrusions	1,730–1,830	1.14% ▲	20 Sep 17
Alloy turnings	1,020–1,110	-1.39% ▼	20 Sep 17
Source: VDM			
France per 1000kg			
Pure cuttings	1,550–1,570	-0.32% ▼	19 Sep 17
Old rolled	750–820	0%	19 Sep 17
Commercial cast	850–910	0%	19 Sep 17
Source: Lettre d'Information Metaux			
Italy per 1000kg			
Pure cuttings	1,165–1,265	-0.41% ▼	15 Sep 17
Old mixed scrap	1,145–1,195	0%	15 Sep 17
Commercial cast	1,055–1,105	0%	15 Sep 17
Source: Assomet			
Copper			
Germany per 1000kg			
Copper wire (berry)	5,200–5,380	-0.56% ▼	20 Sep 17
Heavy copper	4,630–4,820	-0.63% ▼	20 Sep 17
Heavy brass	3,290–3,450	0.6% ▲	20 Sep 17
Brass turnings (MS 58)	3,800–3,970	0.52% ▲	20 Sep 17
Brass sheet (MS 63)	3,940–4,160	0.5% ▲	20 Sep 17
Source: Verein Deutscher Metallhandler			
France per 1000kg			
Electro cuttings	4,800–4,850	-3.02% ▼	19 Sep 17
No 1 bright wire	4,250–4,300	-6.56% ▼	19 Sep 17
Mixed (96%)	4,250–4,280	-4.69% ▼	19 Sep 17
Brass plate cuttings 70/30	3,600–3,650	-3.97% ▼	19 Sep 17
Brass turnings	3,100–3,120	-1.74% ▼	19 Sep 17
Mixed brass	2,900–3,000	-0.84% ▼	19 Sep 17
Source: Lettre d'Information Metaux			
Italy per 1000kg			
Electrolytic dd EN 12861-S-Cu-2	5,194–5,274	-3.15% ▼	15 Sep 17
Enamelled wire EN 12861-S-Cu-3	5,030–5,112	-3.24% ▼	15 Sep 17
New from tubes, strips etc EN 12861-S-Cu-4	5,085–5,233	-3.19% ▼	15 Sep 17
Old from tubes, strips etc 12861-S-Cu-7	4,869–4,959	-3.34% ▼	15 Sep 17
EN12861-S-Cu-Zn-1-A-Cu 63.5%	4,138–4,223	-2.45% ▼	15 Sep 17
Mixed from valves/taps EN 12861-S-Cu-Zn-6	3,270–3,600	-2.83% ▼	15 Sep 17
Several 95% m/m 12861-S-Cu-Zn-7	3,395–3,473	-2.97% ▼	15 Sep 17
Source: Assomet			

STEELBENCHMARKER™ SCRAP PRICES			
	Price	Change†	Assessed
Region: USA, east of the Mississippi			
Shredded scrap (\$/metric tonne)**	300	0%	11 Sep 17
Shredded scrap (\$/gross ton)**	305	0%	11 Sep 17
No 1 heavy melting scrap (\$/metric tonne)	276	0%	11 Sep 17
No 1 heavy melting scrap (\$/gross ton)	280	0%	11 Sep 17
No 1 busheling scrap (\$/metric tonne)	378	0%	11 Sep 17
No 1 busheling scrap (\$/gross ton)	384	0%	11 Sep 17
**For shredded scrap the region is for all but the West Coast			
UK NON-FERROUS SCRAP			
	Price	Change†	Assessed
Aluminium – actual price			
£ per tonne			
Group 1 pure 99% & Litho	1,410–1,460*	0.7% ▲	20 Sep 17
Commercial pure cuttings	1,170–1,220*	0%	20 Sep 17
Clean HE9 extrusions	1,410–1,460*	0.7% ▲	20 Sep 17
Loose old rolled cuttings	870–910*	0%	20 Sep 17
Baled old rolled	950–980*	0.52% ▲	20 Sep 17
Commercial cast	1,050–1,100*	0.47% ▲	20 Sep 17
Cast wheels	1,240–1,290*	0%	20 Sep 17
Commercial turnings	710–750*	0.69% ▲	20 Sep 17
Group 7 turnings	610–660*	0%	20 Sep 17
MB and LME aluminium scrap discounts			
£ per tonne			
Group 1 pure 99% & Litho	92–142*	-22.52% ▼	20 Sep 17
Commercial pure cuttings	332–382*	-6.3% ▼	20 Sep 17
Clean HE9 extrusions	92–142*	-22.52% ▼	20 Sep 17
Loose old rolled cuttings	387–427*	-2.86% ▼	20 Sep 17
Baled old rolled	317–347*	-4.87% ▼	20 Sep 17
Commercial cast	197–247*	-7.11% ▼	20 Sep 17
Cast wheels	7–57*	-27.27% ▼	20 Sep 17
Commercial turnings	547–587*	-2.91% ▼	20 Sep 17
Group 7 turnings	637–687*	-1.78% ▼	20 Sep 17
Titanium			
\$/lb cif			
Turnings, unprocessed type 90/6/4 (0.5% Sn max)	0.92–0.97*	0%	20 Sep 17
Turnings, unprocessed 90/6/4 (over 0.5% max 2% Sn)	0.82–0.91*	0%	20 Sep 17
Copper scrap discount			
cents/lb			
No 2 copper (birch/cliff) imported into China 94–96% cif China	32–34*	15.79% ▲	28 Aug 17

† week-on-week change

continued >>

NON-FERROUS FOUNDRY INGOTS

	Price	Change [†]	Assessed
Aluminium UK £/tonne			
MB free market			
LM24 pressure diecasting ingot	1,610–1,650*	–0.31% ▼	20 Sep 17
LM6/LM25 gravity diecasting ingot	1,800–1,850*	0% ▼	20 Sep 17
NB: prices expressed delivered consumer works, LM series as specified in BS1490			
Aluminium Europe			
MB free market			
Duty paid delivered works pressure diecasting ingot price (DIN226/A380) – €/tonne	1,730–1,790*	–0.28% ▼	22 Sep 17
Aluminum US \$/lb delivered Midwest			
A380.1 alloy	0.95–0.96*	0.53% ▲	21 Sep 17
AFFIMET €/tonne			
AS12	3,710	2.2% ▲	01 Sep 17
AS12 UN	2,920	0.52% ▲	01 Sep 17
AS9 U3	2,295	0.66% ▲	01 Sep 17
AS5 U3	2,645	0.57% ▲	01 Sep 17
Reflects generally larger traded lots			
VDM €/1000 kg delivered			
DIN 226	2,370–2,470	0.41% ▲	20 Sep 17
DIN 231	2,450–2,550	0.4% ▲	20 Sep 17
DIN 311	2,430–2,530	0.4% ▲	20 Sep 17
Aluminium bronze £/tonne UK			
AB1 ex-works	4,750	–5.75% ▼	19 Sep 17
AB2 ex-works	4,760	–5.74% ▼	19 Sep 17
Source: C. F. Booth Ltd			
Brass UK £/tonne			
SCB3 ex-works	3,910	–5.33% ▼	19 Sep 17
High tensile HTB1 ex-works	4,300	–2.71% ▼	19 Sep 17
Source: C. F. Booth Ltd			
Gunmetal UK £/tonne			
LG2 85/5/5/5 ex-works	4,750	–4.04% ▼	19 Sep 17
LG4 87/7/3/3 ex-works	5,310	–4.32% ▼	19 Sep 17
G11.15 PB ex-works	6,200	–3.12% ▼	19 Sep 17
Source: C. F. Booth Ltd			
Phosphor bronze UK £/tonne			
PB1 ex-works	6,700	–3.6% ▼	19 Sep 17
Source: C. F. Booth Ltd			
Phosphor copper £/tonne			
10% P ex-works	6,400	–3.9% ▼	19 Sep 17
15% P ex-works	6,450	–3.87% ▼	19 Sep 17
Source: C. F. Booth Ltd			
Zinc alloys UK £/tonne			
Brock Metal Co contract alloy price (delivered UK)			
Brock Metal ZL3	2,987	11.04% ▲	01 Sep 17
Brock Metal ZL5	3,017	11% ▲	01 Sep 17

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Monthly averages: August

BASE METALS

	Low	High
Aluminium		
Aluminium P1020A, in-warehouse Rotterdam premium, duty unpaid, spot \$/tonne	79.77	86.27
Aluminium P1020A, in-warehouse Rotterdam duty paid, spot \$/tonne	136.56	146.22
Alumina		
Index fob Australia	315.91	
Copper		
US High-grade cathode premium indicator, \$/tonne	110.23	121.25
Nickel		
Free market in warehouse premium Europe \$/tonne	Uncut cathodes 150.00	180.00
	4x4 cathodes 250.00	300.00
	Briquettes 237.00	271.00
US	Melting \$/lb 0.21	0.26
Tin		
European free market		
Spot Premium 99.9%, \$/tonne	326.00	354.00
Spot premium 99.85%, \$/tonne	300.00	325.00
Kuala Lumpur (ex-smelter), \$/tonne	20,434.55	

MINOR METALS

Antimony		
MB free market Regulus 99.65%, max Se 50ppm, in warehouse, \$/tonne	8,211.11	8,538.89
MMTA Standard grade II, \$/tonne	8,177.78	8,511.11
Bismuth		
MB free market min. 99.99%, tonne lots, in warehouse, \$/lb	4.68	5.05
Cadmium		
MB free market min 99.95%, in warehouse, cents/lb	66.00	75.00
min 99.99%, in warehouse cents/lb	66.00	77.00
Cobalt		
MB free market		
High Grade, in warehouse, \$/lb	28.69	30.19
Low Grade, in warehouse, \$/lb	28.18	29.69
Germanium Dioxide		
MB free market min 99.99%, \$/kg	711.11	791.11
Rotterdam, \$/kg	1,054.44	1,250.00
Indium		
MB free market ingots, min 99.97%, in warehouse, \$/kg	180.00	216.67
Magnesium		
MB free market min 99.8%, \$/tonne	2,337.50	2,451.25
China free market min 99.8%, \$/tonne	2,478.75	2,533.75
Mercury		
MB free market min 99.99%, in warehouse, \$/flask	1,275.00	1,450.00
Selenium		
MB free market		
min 99.5% in warehouse, \$/lb	14.57	16.64

	Low	High
Silicon		
Grade 441, min 99% Si in-warehouse Rotterdam, €/tonne	1,900.00	1,980.00
Titanium		
Ferro-Titanium, 70% (max 4.5% Al), d/d Europe, \$/kg	4.58	4.99

ORES & ALLOYS

	Low	High
Molybdenum		
Free market in warehouse Europe drummed molybdc oxide \$/lb Mo	8.33	8.48
US canned molybdc oxide \$/lb Mo	8.26	8.43
Ferro-molybdenum		
basis 65% min, in-warehouse Rotterdam, \$/kg Mo	20.28	20.74
Tungsten		
European free market APT, \$/mtu	251.75	258.75
Ferro-tungsten		
basis 75% W min, \$/kg	31.47	33.14
Vanadium		
min 98%, in-warehouse Rotterdam, V205, \$/lb	8.98	10.18
Ferro-vanadium		
basis 78% min, free delivery duty paid consumer plant, 1st grade Western Europe, \$/kg V	41.28	43.01
US Free market 70–80%, \$/lb	18.65	19.91

PRECIOUS METALS

Gold		
London \$/troy oz	Morning	1,281.72
	Afternoon	1,282.32
London £/troy oz	Morning	988.15
	Afternoon	990.10
\$/troy oz	Handy/Harman	1,283.04
Palladium		
Morning \$/troy oz	910.36	
Afternoon \$/troy oz	912.23	
Platinum: per troy oz		
Morning \$/troy oz	971.91	
Afternoon \$/troy oz	972.36	
Rhodium		
European free market		
min 99.9% in-warehouse, \$/troy oz	990.23	1,090.23
Silver		
London		
spot pence/troy oz	1,304.54	
spot cents/troy oz	1,690.91	
Handy/Harman cents/troy oz	1,695.17	

FOUNDRY INGOTS

	Low	High
Aluminium		
LM24, £/tonne	1,596.00	1,626.00
LM6/LM25, £/tonne	1,746.00	1,826.00
Aluminium Europe €/tonne	1,762.50	1,807.50
Phosphor Bronze		
PB1 ex-works, £/tonne	6,878.00	
Zinc Alloy		
ZL3, £/tonne	2,690.00	

EXCHANGE RATES (CLOSING RATES)

\$/£	1.30
\$/yen	109.79
\$/€	1.18

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

	Jan–August 2017		August average
	Low	High	
	\$	\$	\$
Aluminium (\$)			
Cash	1,700.50	2,113.25	2,029.63
3 months	1,688.25	2,131.00	2,034.93
Settlement	1,701.00	2,113.50	2,030.09
3 months seller	1,688.50	2,132.00	2,035.43
Copper Grade A (\$)			
Cash	5,465.75	6,796.50	6,477.68
3 months	5,490.50	6,818.50	6,507.09
Settlement	5,466.00	6,797.00	6,478.18
3 months seller	5,491.00	6,819.00	6,507.68
Copper Grade A (£)			
Settlement	4,215.29	5,282.73	5,000.10
3 months seller	4,217.78	5,288.10	5,014.79
Lead (\$)			
Cash	2,006.75	2,456.75	2,356.76
3 months	2,021.00	2,480.75	2,379.41
Settlement	2,007.00	2,457.00	2,357.32
3 months seller	2,022.00	2,481.00	2,380.14
Lead (£)			
Settlement	1,575.55	1,950.95	1,819.32
3 months seller	1,575.54	1,949.45	1,833.99
Nickel (\$)			
Cash	8,712.50	11,732.50	10,848.52
3 months	8,775.00	11,787.50	10,901.82
Settlement	8,715.00	11,735.00	10,852.95
3 months seller	8,780.00	11,790.00	10,907.73
Tin (\$)			
Cash	18,757.50	21,295.00	20,559.55
3 months	18,755.00	21,212.50	20,397.27
Settlement	18,760.00	21,300.00	20,570.00
3 months seller	18,760.00	21,225.00	20,407.95

	Jan–August 2017		August average
	Low	High	
	\$	\$	\$
Zinc (\$)			
Cash	2,434.25	3,142.50	2,981.44
3 months	2,450.25	3,143.50	2,991.58
Settlement	2,434.50	3,143.00	2,981.84
3 months seller	2,450.50	3,144.00	2,992.30
Cobalt (\$)			
Cash	32,750.00	61,250.00	57,963.64
3 months	32,750.00	61,250.00	57,613.64
Settlement	33,000.00	61,500.00	58,213.64
3 months seller	33,000.00	61,500.00	57,863.64
Molybdenum (\$)			
Cash	15,000.00	17,250.00	15,750.00
3 months	15,000.00	17,250.00	15,750.00
Settlement	15,250.00	17,500.00	16,000.00
3 months seller	15,250.00	17,500.00	16,000.00
Aluminium Alloy (\$)			
Cash	1,540.00	1,805.00	1,732.27
3 months	1,560.00	1,815.00	1,743.18
Settlement	1,545.00	1,810.00	1,737.27
3 months seller	1,565.00	1,820.00	1,748.18
Nasaa (\$)			
Cash	1,695.00	1,990.25	1,911.44
3 months	1,725.00	2,007.50	1,929.20
Settlement	1,700.00	1,990.50	1,911.91
3 months seller	1,730.00	2,010.00	1,932.95

LME SETTLEMENT CONVERSION RATES

\$/£	1.30
\$/yen	109.89
\$/€	1.18