

Prices

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NEW YORK FUTURES

	Price	Change [†]	Assessed
Comex: Copper high grade cents/lb			
Settlement	220.60	-2.22% ▼	28 Jul 16
Open interest	185,513	1.95% ▲	27 Jul 16
Stocks (short ton)	65,416	1.61% ▲	27 Jul 16
Comex: Gold \$/troy oz			
Settlement	1,332.30	0.14% ▲	28 Jul 16
Open interest	568,670	-7.39% ▼	27 Jul 16
Stocks (troy oz)	10,574,376	5.49% ▲	27 Jul 16
Nymex: Palladium \$/troy oz			
Settlement	698.65	1.93% ▲	28 Jul 16
Stocks (troy oz)	70,120	-8.11% ▼	27 Jul 16
Nymex: Platinum \$/troy oz			
Settlement	1,138.90	3.05% ▲	28 Jul 16
Stocks (troy oz)	183,908	-0.55% ▼	27 Jul 16
Comex: Silver cents/troy oz			
Settlement	2,016.00	1.9% ▲	28 Jul 16
Open interest	223,316	1.24% ▲	27 Jul 16

SHANGHAI FUTURES

	Price	Change [†]	Assessed
Aluminium yuan/tonne	12,400	0.73% ▲	29 Jul 16
Copper yuan/tonne	37,490	-1.68% ▼	29 Jul 16
Zinc yuan/tonne	16,800	-2.55% ▼	29 Jul 16
Weekly stocks deliverable			
Aluminium (tonnes)	116,883	-12.51% ▼	29 Jul 16
Copper (tonnes)	165,468	-5.43% ▼	29 Jul 16
Zinc (tonnes)	205,488	-2.67% ▼	29 Jul 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	1,615.5-1,616	1% ▲	29 Jul 16
Cash unofficial	1,597-1,599	0.63% ▲	28 Jul 16
3 months official	1,627.5-1,628	0.96% ▲	29 Jul 16
3 months unofficial	1,607-1,609	0.31% ▲	28 Jul 16
LME Tapo notional average price (NAP)	1,630.53	-0.73% ▼	28 Jul 16
LME stocks (tonnes)	2,303,450	-0.93% ▼	28 Jul 16
Aluminium alloy (A380.1/DIN/D12S) \$			
LME cash official	1,540-1,550	2.66% ▲	29 Jul 16
LME cash unofficial	1,542-1,552	2.72% ▲	28 Jul 16
LME 3 months official	1,565-1,575	2.61% ▲	29 Jul 16
LME 3 months unofficial	1,565-1,575	2.61% ▲	28 Jul 16
LME stocks (tonnes)	11,700	-2.34% ▼	28 Jul 16
N. American special aluminium alloy			
LME cash official	1,720-1,730	0.28% ▲	29 Jul 16
LME cash unofficial	1,723-1,733	-0.14% ▼	28 Jul 16
LME 3 months official	1,730-1,740	-0.43% ▼	29 Jul 16
LME 3 months unofficial	1,735-1,745	-0.29% ▼	28 Jul 16
LME stocks (tonnes)	62,840	0.19% ▲	28 Jul 16

Price Change Assessed

Copper grade A \$

LME cash official	4,852-4,853	-2.08% ▼	29 Jul 16
LME cash unofficial	4,893-4,895	-1.28% ▼	28 Jul 16
LME 3 months official	4,860-4,865	-2.07% ▼	29 Jul 16
LME 3 months unofficial	4,904-4,906	-1.29% ▼	28 Jul 16
LME Tapo notional average price (NAP)	4,855.93	0.26% ▲	28 Jul 16
LME stocks (tonnes)	209,450	-5.96% ▼	28 Jul 16

Lead \$

LME cash official	1,783.5-1,784	-3.33% ▼	29 Jul 16
LME cash unofficial	1,794-1,795	-3.37% ▼	28 Jul 16
LME 3 months official	1,795-1,798	-3.26% ▼	29 Jul 16
LME 3 months unofficial	1,805-1,806	-3.29% ▼	28 Jul 16
LME stocks (tonnes)	187,075	-0.11% ▼	28 Jul 16

Nickel \$

LME cash official	10,440-10,445	-1.97% ▼	29 Jul 16
LME cash unofficial	10,555-10,580	-1.26% ▼	28 Jul 16
LME 3 months official	10,485-10,510	-1.85% ▼	29 Jul 16
LME 3 months unofficial	10,600-10,625	-1.16% ▼	28 Jul 16
LME stocks (tonnes)	373,074	-0.61% ▼	28 Jul 16

Tin \$

LME cash official	17,845-17,850	0.3% ▲	29 Jul 16
LME cash unofficial	17,760-17,810	-0.2% ▼	28 Jul 16
LME 3 months official	17,750-17,770	-0.36% ▼	29 Jul 16
LME 3 months unofficial	17,775-17,825	-0.17% ▼	28 Jul 16
LME stocks (tonnes)	5,690	-5.48% ▼	28 Jul 16

Zinc special high grade \$

LME cash official	2,219-2,220	-1.9% ▼	29 Jul 16
LME cash unofficial	2,194.5-2,196.5	-3.35% ▼	28 Jul 16
LME 3 months official	2,216-2,217	-2.23% ▼	29 Jul 16
LME 3 months unofficial	2,197-2,199	-3.47% ▼	28 Jul 16
LME stocks (tonnes)	432,625	-0.98% ▼	28 Jul 16

Cobalt min 99.3%

LME cash official	26,150-26,250	2.75% ▲	29 Jul 16
LME 3 months official	26,000-26,500	2.94% ▲	29 Jul 16
LME stocks (tonnes)	644	0%	28 Jul 16

Molybdenum \$

LME cash official	15,000-15,500	1.67% ▲	29 Jul 16
LME 3 months official	15,000-15,500	1.67% ▲	29 Jul 16
LME stocks (tonnes)	66	-15.38% ▼	28 Jul 16

Steel billet

LME cash official	300-325	0%	29 Jul 16
LME cash unofficial	300-325	0%	28 Jul 16
LME 3 months official	300-325	0%	29 Jul 16
LME 3 months unofficial	300-325	0%	28 Jul 16
LME stocks (tonnes)	0	0%	28 Jul 16

† week-on-week change

continued >>

Gold \$/troy oz

London morning	1,332.5	0.7%	▲	29 Jul 16
London afternoon	1,341.75	1.56%	▲	28 Jul 16
Handy/Harman	1,341.75	1.56%	▲	28 Jul 16

Silver per troy oz

London spot pence	1,520.37	1.14%	▲	29 Jul 16
London spot cents	2,004	1.73%	▲	29 Jul 16
Handy/Harman	2,003.5	1.65%	▲	28 Jul 16

Palladium \$/troy oz

London morning	704	5.39%	▲	28 Jul 16
London afternoon	702	3.85%	▲	28 Jul 16

Platinum \$/troy oz

London morning	1,149	5.7%	▲	28 Jul 16
London afternoon	1,143	4.96%	▲	28 Jul 16

Kuala Lumpur tin market

Tin \$/tonne	17,900	0.17%	▲	29 Jul 16
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RAND FIXING PRICES

Rand fixing prices per tonne for London Metal Exchange trade

	Price	Change [†]	Assessed
Copper	68,517.57	-2.87%	▼ 29 Jul 16
Aluminium	22,815.66	0.19%	▲ 29 Jul 16
Lead	25,187.58	-4.11%	▼ 29 Jul 16
Zinc	31,343.29	-2.69%	▼ 29 Jul 16
Nickel	147,468.78	-2.76%	▼ 29 Jul 16
Tin	252,017.01	-0.53%	▼ 29 Jul 16

EXCHANGE RATES

LME settlement conversion rates	Price	Change [†]	Assessed
\$/£	1.3177	0.47%	▲ 29 Jul 16
\$/¥	103.3400	-2.57%	▼ 29 Jul 16
\$/€	1.1114	0.81%	▲ 29 Jul 16

Closing rates, midpoint

\$/£	1.3124	-0.71%	▼ 28 Jul 16
\$/¥	104.8350	-1.41%	▼ 28 Jul 16
\$/€	1.1084	0.78%	▲ 28 Jul 16
£/€	1.1841	-1.47%	▼ 28 Jul 16
\$/CNY	6.6576	-0.29%	▼ 28 Jul 16

BASE METALS ARBITRAGE

	Price	Change [†]	Assessed
Aluminium			
Import arbitrage, \$/tonne	-125.69*	-11.52%	▼ 29 Jul 16
Import arbitrage, RMB/tonne	-837.70*	-11.75%	▼ 29 Jul 16
Copper			
Import arbitrage, \$/tonne	-133.60*	-19.01%	▼ 29 Jul 16
Import arbitrage, RMB/tonne	-890.42*	-19.23%	▼ 29 Jul 16
Nickel			
Import arbitrage, \$/tonne	-26.87*	-95.18%	▼ 29 Jul 16
Import arbitrage, RMB/tonne	-179.06*	-95.2%	▼ 29 Jul 16
Zinc			
Import arbitrage, \$/tonne	-232.27*	-10.61%	▼ 29 Jul 16
Import arbitrage, RMB/tonne	-1,547.99*	-10.86%	▼ 29 Jul 16

MB BASE METAL PREMIUMS

All prices \$/tonne unless otherwise stated

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	Price	Change [†]	Assessed
Copper			
Rotterdam, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne	50.0-65.0*	0%	27 Jul 16
Rotterdam, copper average premium, Grade A, cathode, in-warehouse \$/tonne	57.50*	2.22% ▲	27 Jul 16
Leghorn, copper low-high premium, Grade A, cathode, cif, \$/tonne	60.0-75.0*	0%	25 Jul 16
Leghorn, copper average premium, Grade A, cathode, cif, \$/tonne	65.00*	-3.7% ▼	25 Jul 16
South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne	50.0-70.0*	0%	28 Jul 16
South Korea, copper average premium, Grade A, cathode, cif, \$/tonne	60.00*	0%	28 Jul 16
Singapore, copper low-high premium, Grade A, cathode, in warehouse, \$/tonne	5.0-10.0*	0%	28 Jul 16
Singapore, copper average premium, Grade A, cathode, in warehouse, \$/tonne	7.00*	0%	28 Jul 16
Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne	40.0-55.0*	11.76% ▲	29 Jul 16
Shanghai, copper average premium, Grade A, cathode, in-warehouse \$/tonne	46.00*	0%	29 Jul 16
Shanghai, copper low-high premium, Grade A, cathode, cif \$/tonne	40.0-55.0*	11.76% ▲	29 Jul 16
Shanghai, copper average premium, Grade A, cathode, cif \$/tonne	46.00*	2.22% ▲	29 Jul 16
Johor, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne	5.0-10.0*	0%	28 Jul 16
Johor, copper average premium, Grade A, cathode, in-warehouse \$/tonne	8.00*	0%	28 Jul 16
MB free market US: High-grade cathode premium indicator, \$/tonne	132.3-143.3*	0%	28 Jul 16
Aluminium			
Aluminium P1020A, in-whs Rotterdam duty unpaid, spot low-high, \$/tonne	60.0-70.0*	0%	29 Jul 16
Aluminium P1020A, in-warehouse Rotterdam duty unpaid, spot weighted average, \$/tonne	65.00*	0%	29 Jul 16
Aluminium P1020A, cif Korea (Gwangyang or Busan), spot low-high, \$/tonne	60.00-75.00*	-10% ▼	26 Jul 16
Aluminium P1020A, cif Korea (Gwangyang or Busan), spot weighted average, \$/tonne	70.00*	-6.67% ▼	26 Jul 16
Aluminium P1020A, in-warehouse Singapore, spot low-high, \$/tonne	20.0-30.0*	-9.09% ▼	26 Jul 16
Aluminium P1020A, in-warehouse Singapore, spot weighted average, \$/tonne	20.00*	-20% ▼	26 Jul 16
Aluminium P1020A, in-warehouse Johor, spot low-high, \$/tonne	20.0-30.0*	-9.09% ▼	26 Jul 16
Aluminium P1020A, in-warehouse Johor, spot weighted average, \$/tonne	20.00*	-20% ▼	26 Jul 16
Aluminium P1020A, cif Shanghai, spot low-high, \$/tonne	80.0-100.0*	0%	26 Jul 16
Aluminium P1020A, cif Shanghai, spot weighted average, \$/tonne	90.00*	-1.1% ▼	26 Jul 16
Aluminium P1020A, cif main Japanese ports, spot low-high, \$/tonne	70.0-80.0*	-9.09% ▼	26 Jul 16
Aluminium P1020A, cif main Japanese ports, spot weighted average, \$/tonne	75.00*	-6.25% ▼	26 Jul 16
Aluminium P1020A, in-warehouse Rotterdam duty-paid, spot \$/tonne	110.0-125.0*	0%	29 Jul 16
Aluminium P1020A, in-warehouse Rotterdam duty-paid, for delivery three months forward, \$/tonne	110.0-125.0*	0%	29 Jul 16
Aluminium P1020A, cif main Japanese ports, quarterly, \$/tonne	90.0-93.0*	-21.12% ▼	05 Jul 16

† week-on-week change

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	Price	Change	Assessed
Aluminium 6063 extrusion billet, in-whs Rotterdam duty-paid, spot, \$/tonne	280.0–330.0*	0%	29 Jul 16
Aluminium P1020A, delivered US midwest, spot, \$/lb	0.065–0.069*	–2.55% ▼	27 Jul 16
Aluminium P1020A, delivered Sao Paulo region, spot, \$/tonne	155.0–200.0*	0%	28 Jul 16
Aluminium P1020A, cif Brazilian main ports duty-unpaid, spot, \$/tonne	120.0–140.0*	0%	21 Jul 16
Aluminium 6063 + 6060 extrusion billet, cif Brazilian main ports, spot (premium over LME cash), \$/tonne	240.0–260.0*	–12.28% ▼	21 Jul 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%	26 Jul 16
Rotterdam, lead average premium, 99.97% purity, in warehouse, \$/tonne	20.00*	0%	26 Jul 16
Johor, lead low-high premium, 99.97% purity, in warehouse, \$/tonne	10.0–20.0*	0%	28 Jul 16
Johor, lead average premium, 99.97% purity, in warehouse, \$/tonne	15.00*	0%	28 Jul 16
MB Battery grade free market premium in warehouse €/tonne	90.0–120.0*	0%	26 Jul 16
USA lead premium 99.97%, delivered domestic, \$/lb	0.10–0.14*	0%	08 Jul 16
Nickel			
Shanghai, nickel low-high premium, 99.8% purity in warehouse \$/tonne	80.0–180.0*	–16.13% ▼	28 Jul 16
Shanghai, nickel average premium, 99.8% purity in warehouse \$/tonne	120.00*	–20% ▼	28 Jul 16
Malaysia nickel 99.80% briquettes premium in-warehouse, \$/tonne	5–10*	–11.76% ▼	26 Jul 16
Singapore nickel 99.80% briquettes premium in-warehouse, \$/tonne	5–10*	–11.76% ▼	26 Jul 16
Malaysia nickel 99.80% full plate premium in-warehouse, \$/tonne	15–90*	–8.7% ▼	26 Jul 16
Singapore nickel 99.80% full plate premium in-warehouse, \$/tonne	15–90*	–8.7% ▼	26 Jul 16
uncut cathodes premium indicator	60.0–125.0*	0%	26 Jul 16
4x4 cathodes premium indicator	150.0–250.0*	0%	26 Jul 16
briquettes premium indicator	125.0–200.0*	0%	26 Jul 16
US: melting premium indicator \$/lb	0.180–0.230*	0%	27 Jul 16
Tin			
MB European free market			
Spot premium 99.9% \$/tonne	400–525*	0%	29 Jul 16
Spot premium 99.85% \$/tonne	325–350*	0%	29 Jul 16
Zinc			
Rotterdam, zinc low-high premium, 99.995% purity, in warehouse, \$/tonne	90.0–100.0*	0%	27 Jul 16
Rotterdam, zinc average premium, 99.995% purity, in warehouse, \$/tonne	95.00*	0%	27 Jul 16
South Korea, zinc low-high premium, 99.995% purity, in warehouse, \$/tonne	100.0–100.0*	0%	28 Jul 16
South Korea, zinc average premium, 99.995% purity, in warehouse, \$/tonne	100.00*	0%	28 Jul 16
Johor, zinc low-high premium, 99.995% purity, in warehouse, \$/tonne	65.0–75.0*	0%	28 Jul 16
Johor, zinc average premium, 99.995% purity, in warehouse, \$/tonne	70.00*	0%	28 Jul 16
Singapore, zinc low-high premium, 99.995% purity, in warehouse, \$/tonne	65.0–75.0*	0%	28 Jul 16
Singapore, zinc average premium, 99.995% purity, in warehouse, \$/tonne	70.00*	0%	28 Jul 16
Shanghai, zinc low-high premium, 99.995% purity, in warehouse, \$/tonne	105.0–115.0*	–4.35% ▼	28 Jul 16

†† month-on-month change

	Price	Change	Assessed
Shanghai, zinc average premium, 99.995% purity, in warehouse, \$/tonne	110.00*	–2.65% ▼	28 Jul 16
MB US: Special high grade, \$/lb	0.060–0.070*	0%	21 Jul 16
MB EU: Special high grade, fca Rotterdam, \$/tonne	125.0–145.0*	0%	27 Jul 16

BASE METALS

	Price	Change [†]	Assessed
Alumina			
MB Chinese free market, metallurgical grade, delivered, duty paid RMB/tonne	1,700.0–1,750.0*	–1.43% ▼	29 Jul 16
Alumina Index fob Australia	235.75*	–1.06% ▼	29 Jul 16
Alumina Index fob Brazil	–3.56*		22 Jul 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):	4,514.1–4,543.3	–1.01% ▼	27 Jul 16
cathodes:	4,440.0–4,540.0	–0.44% ▼	27 Jul 16
South Africa: Palabora copper rod 7.90mm, Rand/tonne	79,421.080	–3.93% ▼	01 Jul 16
Nickel			
Nickel pig iron high grade NPI content 10–15% contract price delivered duty paid China RMB per nickel unit price	800.00–825.00*	0.31% ▲	26 Jul 16
Nickel pig iron high grade NPI content 10–15% spot price China RMB per nickel unit price	810.00–820.00*	1.24% ▲	26 Jul 16
Nickel ore			
Laterite ore with 1.5% nickel content cif China, \$/tonne	32–34*	0%	26 Jul 16
Nickel Ore 1.8% basis cif China 15–20% Fe water content: 30–35% Si:Mg ratio>2 lot size 50,000 tonnes, \$/tonne	40–42*	0%	26 Jul 16
Lead			
Germany: (VDM) virgin soft, €/tonne	1,840.00–1,880.00	–1.59% ▼	27 Jul 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	1,617*	12.14% ▲	01 Jul 16

† week-on-week change

continued >>

PRECIOUS METALS

	Price	Change†	Assessed
Iridium			
MB free market: min 99.9%, \$/troy oz in warehouse	510–610*	1.82% ▲	29 Jul 16
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	560	1.82% ▲	29 Jul 16
Englehard base price: \$/troy oz	565	0.89% ▲	29 Jul 16
Palladium			
European free market: min 99.9%, \$/troy oz in warehouse	693–705*	2.64% ▲	29 Jul 16
Englehard base price: \$/troy oz	705	2.77% ▲	29 Jul 16
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	701	2.64% ▲	29 Jul 16
Platinum			
European free market: min 99.9%, \$/troy oz in warehouse	1,127–1,143*	3.56% ▲	29 Jul 16
Englehard base price: \$/troy oz	1,143	3.63% ▲	29 Jul 16
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	1,138	3.64% ▲	29 Jul 16
Rhodium			
European free market: min 99.9%, \$/troy oz in warehouse	590–690*	0%	29 Jul 16
Englehard base price: \$/troy oz	640	–1.54% ▼	29 Jul 16
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	640	–1.54% ▼	29 Jul 16
Ruthenium			
European free market: min 99.9%, \$/troy oz in warehouse	37–47*	0%	29 Jul 16
Englehard base price: \$/troy oz	42	0%	29 Jul 16
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	42	0%	29 Jul 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	7,000–7,200*	1.43% ▲	29 Jul 16
MMTA Standard Grade II, \$/tonne in warehouse Rotterdam	7,000–7,200*	2.9% ▲	29 Jul 16
MB Chinese free market MMTA Standard Grade II, delivered duty paid RMB/tonne	39,000–41,000*	0.63% ▲	27 Jul 16
Arsenic			
MB free market \$/lb	1.00–1.35*	0%	22 Jul 16
Bismuth			
MB free market \$/lb	4.15–4.40*	0%	29 Jul 16
MB China domestic, min 99.99%, RMB/tonne	59,500–61,000*	2.12% ▲	29 Jul 16
Cadmium			
MB free market min 99.95% cents/lb	58.00–62.00*	–3.23% ▼	29 Jul 16
MB free market min 99.99% cents/lb	59.00–67.00*	–3.08% ▼	29 Jul 16
Chromium			
MB free market aluminio-thermic min 99% \$/tonne	7,000–7,500*	0%	29 Jul 16
Cobalt			
MB free market high-grade \$/lb	11.85–12.75*	4.46% ▲	29 Jul 16
MB free market low-grade \$/lb	11.65–12.10*	5.09% ▲	29 Jul 16
MB high-grade, weighted average of all confirmed international trades, \$/lb	12.19*	4.91% ▲	29 Jul 16
MB low-grade, weighted average of all confirmed international trades, \$/lb	11.78*	4.25% ▲	29 Jul 16
MB China domestic, min 99.8% RMB/tonne	203,000–215,000*	5.03% ▲	29 Jul 16
Cobalt tetroxide min 72.6% Co delivered China RMB/tonne	122,000–135,000*	0.78% ▲	29 Jul 16

	Price	Change	Assessed
Gallium			
MB free market \$/kg	120–140*	0%	29 Jul 16
MB China domestic, min 99.99%, RMB/kg	710–760*	0%	27 Jul 16
Germanium			
Germanium dioxide MB free market \$/kg	750–850*	0%	29 Jul 16
Germanium metal \$/kg Rotterdam	1,100–1,300*	0%	29 Jul 16
Germanium metal MB China domestic, min 99.999%, RMB/kg	6,000–6,500*	0%	27 Jul 16
Hafnium			
Hafnium 1% Zr max, in warehouse global locations, \$/kg	1,000–1,100*	0%	22 Jul 16
Indium			
MB free market \$/kg	220–265*	0%	29 Jul 16
MB China domestic, min 99.99% RMB/kg	1,220–1,300*	–1.18% ▼	27 Jul 16
Indium Corp ingots min 99.97% \$/kg fob	440.00	–40.94% ▼	26 Jun 15
Magnesium			
European free market \$ per tonne	2,075–2,170*	0%	29 Jul 16
China free market min 99.8% Mg, fob China main ports, \$ per tonne	2,200–2,230*	1.14% ▲	27 Jul 16
MB Chinese free market min 99% Mg, ex-works RMB/tonne	14,400–14,600*	2.11% ▲	27 Jul 16
Manganese flake			
MB free market \$/tonne	1,640–1,740*	–0.59% ▼	29 Jul 16
Mercury			
MB free market \$ per flask	960–1,260*	0%	22 Jul 16
Rhenium in warehouse Rotterdam duty paid			
Metal pellets, min 99.9% \$/lb	800–900*	0%	22 Jul 16
APR catalytic grade \$/kg Re	2,315–2,575*	0%	22 Jul 16
Selenium			
MB free market \$/lb	10.50–13.00*	0%	29 Jul 16
MB China domestic, min 99.9%, RMB/kg	150–180*	0%	29 Jul 16
Selenium dioxide, MB China domestic, min 98%, RMB/kg	60–63*	0%	29 Jul 16
Silicon			
MB free market €/tonne	1,600–1,700*	0%	29 Jul 16
US free market cents/lb	88–92*	–1.1% ▼	11 Jul 16
Export from mainland China min 98.5%, \$/tonne fob	1,430–1,470*	–0.34% ▼	27 Jul 16
Tellurium			
MB free market \$/kg	25.00–35.00*	0%	29 Jul 16
MB China domestic, min 99.99%, RMB/kg	220–250*	4.44% ▲	29 Jul 16
Titanium			
MB free market ferro-titanium 70% (max 4.5% Al) \$/kg Ti d/d Europe	3.40–3.60*	0%	29 Jul 16
Titanium ores \$/tonne			
Rutile conc min 95% Tio2 bagged, fob/Aus	620–650	0%	28 Jul 16
Rutile bulk conc min 95% Tio2 fob/Aus	650–700	0%	28 Jul 16
Ilmenite bulk conc min 54% Tio2 fob/Aus	100–110	0%	28 Jul 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%	28 Jul 16
Spodumene 7.25% Li ₂ O cif Europe \$/tonne	740–790	0%	28 Jul 16
Molybdenum molybdic oxide			
Europe drummed molybdic oxide \$/lb Mo	7.10–7.50*	14.06% ▲	29 Jul 16
US canned molybdic oxide \$/lb Mo	6.50–6.80*	0%	28 Jul 16
Ferro-molybdenum			
basis 65% min, in-warehouse Rotterdam \$/kg Mo	17.25–18.50*	8.83% ▲	29 Jul 16
US free market 65–70% Mo \$/lb in warehouse Pittsburgh	7.70–8.10*	1.28% ▲	28 Jul 16
MB Chinese free market concentrate 45% Mo in warehouse China RMB/mtu	860–880*	0%	27 Jul 16
Tungsten			
European free market APT \$/mtu	185–190*	1.35% ▲	29 Jul 16
Export from mainland China APT Chinese No1 grade, min 88.5% WO ₃ , S/mtu fob	190–195*	4.05% ▲	27 Jul 16
MB Chinese free market concentrate 65% WO ₃ in warehouse China RMB/tonne	70,000–72,000*	3.65% ▲	27 Jul 16
Ferro-tungsten			
Basis 75% W min \$/kg W in warehouse Rotterdam duty unpaid	25.80–26.50*	6.09% ▲	29 Jul 16
China export min 75% \$/kg W, fob China	25.50–26.00*	3%	▲ 27 Jul 16
Vanadium			
Ferro-vanadium basis 78% min, free delivery duty paid consumer plant, 1st grade, Western Europe \$/kg V	18.25–19.00*	7.81% ▲	29 Jul 16
US free market ferro-vanadium \$/lb in warehouse Pittsburgh	9.80–10.30*	–1.95% ▼	28 Jul 16
Vandium pentoxide min 98%, in-warehouse Rotterdam \$ per lb V2O ₅	3.20–3.50*	10.74% ▲	29 Jul 16
Zircon			
Foundry grade bulk \$/tonne fob Australia	950–1,000	0%	28 Jul 16
Premium bulk \$/tonne fob Australia	1,000–1,050	0%	28 Jul 16

BULK ALLOYS

	Price	Change [†]	Assessed
Ferro-chrome \$/lb Cr			
China import charge chrome 50% Cr index, cif Shanghai, duty unpaid	0.76*	0%	29 Jul 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	0.81–0.84*	0%	29 Jul 16
0.10% C average 60–70% Cr	1.87–1.90*	0%	29 Jul 16
European low carbon in warehouse 0.06% C max – 65% Cr	1.90–1.98*	1.84% ▲	29 Jul 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%	29 Jul 16
US free market in warehouse Pittsburgh 6–8% C basis 60–65% Cr max 2% Si	0.860–0.900*	0%	28 Jul 16
US free market low carbon duty paid fob Pittsburgh			
0.05% C – 65% min Cr	2.10–2.15*	0%	28 Jul 16
0.10% C – 62% min Cr	1.79–1.84*	0%	28 Jul 16
0.15% C – 60% min Cr	1.76–1.78*	0%	28 Jul 16
Spot 6–8% C basis 50% Cr delivered duty paid China RMB/tonne	5,980–6,200*	0%	29 Jul 16
Contract 6–8% C basis 50% Cr delivered duty paid China RMB/tonne	5,980–6,130*	0%	29 Jul 16

	Price	Change	Assessed
Chrome ore \$/tonne			
<i>Chrome ore cif main Chinese ports</i>			
South African UG2 chrome ore concs, basis 42%	155–160*	3.28% ▲	29 Jul 16
Turkish lumpy 40–42% cfr main Chinese ports	220–225*	1.14% ▲	29 Jul 16
Ferro-manganese			
basis 78% Mn (scale pro rata) standard 7.5% C €/tonne	660–690*	0%	29 Jul 16
US free market 78% Mn standard 7.5% C \$/long ton in warehouse Pittsburgh	820–850*	0%	28 Jul 16
US free market medium carbon duty paid fob Pittsburgh, 80% min Mn 1.5% max C \$/lb	0.76–0.79*	0%	28 Jul 16
MB Chinese free market min 65% Mn max 7.0% C in warehouse China RMB/tonne	4,300–4,600*	4.71% ▲	22 Jul 16
Manganese ore			
44% Mn, cif Tianjin \$/dmtu of metal contained	3.54*	29.2% ▲	29 Jul 16
37% Mn, fob Port Elizabeth \$/dmtu of metal contained	2.79*	27.98% ▲	29 Jul 16
Ferro-silicon			
Lumpy basis 75% Si (scale pro rata) €/tonne	900–950*	0%	29 Jul 16
US free market \$/lb in warehouse Pittsburgh lumpy basis 75% Si – imported	0.68–0.73*	0%	28 Jul 16
Export from mainland China, min 75% Si, 7.5% C, \$/tonne, fob	1,020–1,050*	–0.48% ▼	22 Jul 16
MB Chinese free market min 75% in warehouse China RMB/tonne	4,300–4,500*	–0.56% ▼	22 Jul 16
Silico-manganese			
Lumpy basis 65–75% Mn basis 15–19% Si (scale pro rata) €/tonne	680–725*	0%	29 Jul 16
US free market \$/lb in warehouse Pittsburgh	0.41–0.43*	0%	28 Jul 16
MB Chinese free market min 65% Mn max 17% Si in warehouse China RMB/tonne	5,400–5,800*	14.29% ▲	22 Jul 16
65% min Mn 16% min Si \$/tonne fob India	710–735*	2.12% ▲	26 Jul 16

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%	27 Jul 16
Wire rod (mesh quality)	400–450*	0%	27 Jul 16
Plate (8–40mm)	420–440*	0%	27 Jul 16
Hot rolled coil	390–420*	0%	27 Jul 16
Cold rolled coil	490–500*	0%	27 Jul 16
Hot-dip galvanized coil	470–490*	0%	27 Jul 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	390–395*	0%	27 Jul 16
Wire rod (mesh quality)	380–395*	0%	27 Jul 16
Plate (8–40mm)	400–410*	–6.9% ▼	27 Jul 16
Hot rolled coil	390–400*	0%	27 Jul 16
Cold rolled coil	480–490*	0%	27 Jul 16
Hot-dip galvanized coil	445–460*	0%	27 Jul 16

† week-on-week change

continued >>

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	365–375*	0%	27 Jul 16
Wire rod (mesh quality)	405–410*	0%	27 Jul 16

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	460–470*	-1.06%	▼	27 Jul 16
Wire rod (mesh quality)	450–480*	0%		27 Jul 16
Sections (medium)	510–530*	0%		27 Jul 16

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	380–390*	-4.35%	▼	27 Jul 16
Wire rod (mesh quality)	410–430*	0%		27 Jul 16
Sections (medium)	510–525*	0%		27 Jul 16

Northern Europe € per tonne ex-works

Plate (8–40mm)	490–510*	0%		27 Jul 16
Hot rolled coil	420–430*	0%		27 Jul 16
Cold rolled coil	510–520*	0%		27 Jul 16
Hot-dip galvanized coil	510–540*	0%		27 Jul 16

Southern Europe € per tonne ex-works

Plate (8–40mm)	420–430*	-4.49%	▼	27 Jul 16
Hot rolled coil	390–410*	0%		27 Jul 16
Cold rolled coil	500–520*	0%		27 Jul 16
Hot-dip galvanized coil	500–520*	0%		27 Jul 16

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	320–323*	0.47%	▲	25 Jul 16
Slab	310–320*	-3.08%	▼	25 Jul 16
Rebar	350–355*	0%		25 Jul 16
Wire rod (mesh)	350–355*	0%		25 Jul 16
Heavy plate (10–50mm)	350–420*	-4.94%	▼	25 Jul 16
Hot rolled coil	360–375*	-2%	▼	25 Jul 16
Cold rolled coil	380–418*	0%		25 Jul 16

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	34,500–34,550*	0%		25 Jul 16
Hot rolled sheet	35,000–36,000*	0%		25 Jul 16
Cold rolled sheet	41,000–41,050*	0%		25 Jul 16

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	350–360*	0%		28 Jul 16
Rebar	375–380*	0.67%	▲	28 Jul 16
Wire rod (mesh quality)	390–400*	0%		28 Jul 16
Merchant bars	440–445*	0%		28 Jul 16

Turkish domestic

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

Billet	345–350*	0.72%	▲	28 Jul 16
Rebar	375–395*	-1.28%	▼	28 Jul 16
Wire rod (mesh quality)	420–425*	0%		28 Jul 16
Hot rolled coil	415–425*	1.82%	▲	29 Jul 16
Cold rolled coil	540–550*	0%		29 Jul 16

Turkish imports

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

Billet	330–335*	0.76%	▲	28 Jul 16
Hot rolled coil	380–390*	0%		29 Jul 16
Cold rolled coil	420–440*	0%		29 Jul 16

UAE imports

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

Billet	315–320*	2.25%	▲	26 Jul 16
Rebar	375–385*	-1.3%	▼	26 Jul 16
Hot rolled coil	400–405*	0%		26 Jul 16
Cold rolled coil	480–485*	-2.53%	▼	26 Jul 16

Iran domestic

Metal Bulletin's appraisal of prices within Iran for commercial-quality carbon steel of Iranian origin, million rials per tonne delivered warehouse Tehran

Rebar (12–25mm)	15.30–16.00*	0%		27 Jul 16
Plate	16.85–18.20*	1.3%	▲	27 Jul 16
Hot rolled coil	18.50–19.00*	0.81%	▲	27 Jul 16
Cold rolled coil	20.60–22.40*	-0.81%	▼	27 Jul 16
Hot-dip galvanized coil	23.50–24.90*	-0.82%	▼	27 Jul 16

Iran imports

Metal Bulletin's appraisal of prices quoted by overseas suppliers for commercial-quality carbon steel to Iranian buyers, \$ per tonne cfr Iranian northern ports

Billet	340–350*	0%		27 Jul 16
Rebar	390–400*	0%		27 Jul 16

Egyptian domestic

Metal Bulletin's appraisal of prices within Egypt for commercial-quality carbon steel of Egyptian origin, E£ per tonne ex-works

Rebar	5,650–6,000*	10.69%	▲	28 Jul 16
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LATIN AMERICA

	Price	Change [†]	Assessed
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Latin American exports

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

Billet	340–345*	0%		29 Jul 16
Slab	315–325*	0%		29 Jul 16
Rebar	420–425*	0%		29 Jul 16
Wire rod mesh quality	420–425*	0%		29 Jul 16
Heavy plate over 10mm	400–425*	0%		29 Jul 16
Hot rolled coil (dry)	380–395*	0%		29 Jul 16
Cold rolled coil	480–500*	0%		29 Jul 16
Galvanized coil	770–775*	0%		29 Jul 16

[†] week-on-week change

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	372-381*	0%	20 Jul 16
Merchant bars	560-580*	16.33% ▲	24 Jun 16
Wire rod (low carbon)	395-408*	0%	27 Jul 16
Medium sections	540-560*	0%	28 Jul 16
Medium plate	500-530*	0%	27 Jul 16
Hot rolled coil (commodity)	500-530*	-1.9% ▼	27 Jul 16
Cold rolled coil	610-640*	-5.3% ▼	27 Jul 16
Hot dipped galvanized 0.012-0.015, G30	660-730*	-0.71% ▼	27 Jul 16
Hot dipped galvanized 0.019, G60	665-720*	-5.14% ▼	27 Jul 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)	520-540*	-2.75% ▼	20 Jul 16
Wire rod (mesh quality fob mill)	500-520*	0%	27 Jul 16
Plate (fob mill)	610-610*	-3.17% ▼	22 Jul 16
Hot rolled sheet (fob mill)	610-610*	0%	28 Jul 16
Cold rolled sheet (fob mill)	820-820*	0%	28 Jul 16
Hot-dip galvanized (base) (fob mill)	825-825*	0%	28 Jul 16
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*	1.5% ▲	29 Jul 16
Wire rod (mesh quality)	340-345*	1.48% ▲	29 Jul 16
Heavy plate	345-350*	-1.42% ▼	29 Jul 16
Hot rolled coil	365-370*	0%	29 Jul 16
Cold rolled coil	395-400*	0%	29 Jul 16
Galvanized coil 1mm	460-465*	1.09% ▲	29 Jul 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	2,270-2,320*	0.44% ▲	29 Jul 16
Wire rod (mesh)	2,540-2,600*	3.84% ▲	29 Jul 16
Sections	2,590-2,640*	3.77% ▲	29 Jul 16
Plate	2,510-2,540*	2.43% ▲	29 Jul 16
Hot rolled coil (min 2mm)	2,660-2,680*	1.52% ▲	29 Jul 16
Cold rolled coil (0.5 - 2 mm)	2,930-3,040*	2.75% ▲	29 Jul 16
Hot-dip galvanized coil	3,450-3,700*	1.42% ▲	29 Jul 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	2,400-2,480*	3.61% ▲	29 Jul 16
Wire rod (mesh)	2,520-2,550*	-1.74% ▼	29 Jul 16
Sections	2,750-2,820*	3.92% ▲	29 Jul 16
Plate	2,610-2,630*	1.55% ▲	29 Jul 16
Hot rolled coil (min 2mm)	2,730-2,750*	0.74% ▲	29 Jul 16
Cold rolled coil (0.5 - 2 mm)	3,150-3,240*	-0.78% ▼	29 Jul 16
Hot-dip galvanized coil	3,550-3,800*	0.68% ▲	29 Jul 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	295-300*	0%	22 Jul 16
Plate (12-40mm)	370-375*	0%	22 Jul 16
Hot rolled coil (commodity)	390-395*	1.29% ▲	22 Jul 16
Hot-dip galvanized coil	730-740*	0%	22 Jul 16

Indian imports

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

Plate (20-60mm)	380-390*	2.67% ▲	22 Jul 16
Hot rolled coil (commodity)	400-410*	5.88% ▲	22 Jul 16
Hot rolled coil (CR grade)	400-410*	5.88% ▲	22 Jul 16
Cold rolled	420-430*	2.41% ▲	22 Jul 16

Indian domestic

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

Billet	19,600-19,700*	0%	22 Jul 16
Heavy plate	28,000-28,500*	0%	22 Jul 16
Hot rolled coil	29,000-29,500*	0%	22 Jul 16
Cold rolled coil	34,000-34,500*	0%	22 Jul 16
DRI	13,000-13,500*	5.58% ▲	22 Jul 16
Hot-dip galvanized coil	39,000-40,000*	0%	22 Jul 16

STEELBENCHMARKER™ PRICES

	Price	Change†	Assessed
Region: USA east of the Mississippi			
Standard plate (\$/metric tonne)	708	0.43% ▲	25 Jul 16
Standard plate (\$/short ton)	642	0.31% ▲	25 Jul 16
Hot rolled coil (\$/metric tonne)	687	-0.87% ▼	25 Jul 16
Hot rolled coil (\$/short ton)	624	-0.64% ▼	25 Jul 16
Cold rolled coil (\$/metric tonne)	899	-1.1% ▼	25 Jul 16
Cold rolled coil (\$/short ton)	815	-1.09% ▼	25 Jul 16
Region: Mainland China			
Rebar	295	0.68% ▲	25 Jul 16
Standard plate	316	1.61% ▲	25 Jul 16
Hot rolled coil	323	0.94% ▲	25 Jul 16
Cold rolled coil	389	2.91% ▲	25 Jul 16
Region: World export market			
Hot rolled coil (\$/metric tonne)	364	-0.27% ▼	25 Jul 16

STAINLESS STEEL

	Price	Change†	Assessed
Asia import			
\$/tonne cif East Asian port			
Grade 304 2mm CR coil 2B	1,750-1,800*	0%	29 Jul 16
Grade 304 HR sheet	1,670-1,720*	0%	29 Jul 16
China domestic			
yuan/tonne, in warehouse			
Grade 304 2mm CR coil	12,600-12,700*	-0.78% ▼	29 Jul 16
Grade 430 2mm CR coil	7,000-7,100*	0%	29 Jul 16
EU export			
€/tonne fob N. European port			
Min 100 tonne lot			
Grade 304 2mm CR sheet	1,985-2,113*	6.58% ▲	29 Jul 16
EU domestic			
2mm 304 cold rolled stainless sheet, €/tonne			
Base price	1,050-1,100*	0%	29 Jul 16
Alloy surcharge	935-1,013*	14.93% ▲	29 Jul 16
304 stainless steel bright bar, €/tonne			
Base price	820-850*	0%	29 Jul 16
Alloy surcharge	1,160-1,301*	19.12% ▲	29 Jul 16

† week-on-week change

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 therefore be read in conjunction with editorial comment on the Scrap and Secondary Metals pages.

£/tonne

Cut grades

0A plate and structural	125-135*	0%	08 Jul 16
1&2 old steel	100-110*	0%	08 Jul 16
12A/C New production heavy and shovellable steel	125-135*	0%	08 Jul 16
12D New production heavy and shovellable steel	130-140*	0%	08 Jul 16

Bales and cuttings

4A new steel bales	130-140*	0%	08 Jul 16
4C new steel bales	125-135*	0%	08 Jul 16
8A new loose light cuttings	120-130*	0%	08 Jul 16
8B new loose light cuttings	105-115*	0%	08 Jul 16

Turnings

UK inter-merchant 7B heavy steel turnings	80-90*	0%	08 Jul 16
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Cast iron

9A/10 heavy and light cast iron	105-115*	0%	08 Jul 16
9B/C cylinder block scrap	125-135*	0%	08 Jul 16
11A cast iron borings	85-95*	0%	08 Jul 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	55-70*	4.17%	▲	22 Jul 16
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UK ferrous scrap export

MB assessment \$/tonne fob main UK port

HMS 1&2 (80:20 mix)	217-218*	9.57%	▲	22 Jul 16
Shredded	222-223*	9.07%	▲	22 Jul 16

Indian imports

MB assessment \$/tonne cfr Nhava Sheva

MB index cfr India shredded	221.49*	1.13%	▲	22 Jul 16
HMS 1&2 (80:20 mix)	195-205*	0%		22 Jul 16

Alloy steel scrap domestic

UK wholesale merchants' stainless (£/tonne)

18/8 solids	740-780*	-0.65%	▼	29 Jul 16
18/8 turnings	630-665*	-0.77%	▼	29 Jul 16
12-13% Cr solids	75-95*	0%		29 Jul 16
16-17% Cr solids	105-135*	0%		29 Jul 16

Cif Europe stainless € per tonne

18/8 solids	950-960*	-1.8%	▼	29 Jul 16
18/8 turnings	840-850*	-0.29%	▼	29 Jul 16

Rotterdam export

MB assessment \$/tonne fob Rotterdam

MB index fob Rotterdam HMS 1&2 (80:20)	203.89*	3.26%	▲	22 Jul 16
HMS 1&2 (70:30 mix)	206-207*	5.36%	▲	22 Jul 16
Shredded	226-227*	10.22%	▲	22 Jul 16

Turkish import

MB assessment \$/tonne cfr main Turkish ports

MB index cfr Turkey HMS 1&2 (80:20) (North Europe material)	226.84*	1.04%	▲	28 Jul 16
HMS 1&2 (70:30 mix)	219-220*	5.02%	▲	22 Jul 16
Shredded	239-240*	9.61%	▲	22 Jul 16

Price Change Assessed

USA export

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

HMS 1&2 (80:20)	216.00*	6.4%	▲	27 Jul 16
Shredded	221.00*	6.25%	▲	27 Jul 16

USA domestic

AMM Midwest index \$/gross ton delivered mill

No1 heavy melting scrap	222.48*	-3.88%	▼	11 Jul 16
No1 busheling	274.19*	-0.3%	▼	11 Jul 16
Shredded	241.31*	-3.78%	▼	11 Jul 16

China domestic

yuan/tonne delivered mill

Heavy scrap	1,400-1,470*	0%		29 Jul 16
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Germany domestic

€/tonne delivered at scrapyards, source: BDSV

No E2/8 (new steel scrap)	153.80	-8.51%	▼	01 Jul 16
No E1 (old steel scrap)	141.00	-9.5%	▼	01 Jul 16
No E3 (old thick steel scrap)	155.70	-9.63%	▼	01 Jul 16
No E40 (shredded steel scrap)	161.90	-10.35%	▼	01 Jul 16
No E5 (steel turnings)	119.70	-7.85%	▼	01 Jul 16

† week-on-week change

continued >>

NON-FERROUS SCRAP EUROPE

	Price	Change†	Assessed
Aluminium			
European free market MB assessment €/tonne			
Floated frag	1,250–1,280*	2.02% ▲	29 Jul 16
Cast	1,150–1,230*	0%	29 Jul 16
Mixed turnings 6%	1,010–1,070*	0.97% ▲	29 Jul 16

Germany per 1000kg

Pure cuttings	1,220–1,300	0%	27 Jul 16
Commercial cast	1,200–1,320	0%	27 Jul 16
H9 extrusions	1,460–1,560	0%	27 Jul 16
Alloy turnings	880–1,000	0%	27 Jul 16

Source: VDM

France per 1000kg

Pure cuttings	1,280–1,320	0%	19 Jul 16
Old rolled	850–900	0%	19 Jul 16
Commercial cast	850–880	-1.14% ▼	19 Jul 16

Source: Lettre d'Information Metaux

Italy per 1000kg

Pure cuttings	1,165–1,265	0%	22 Jul 16
Old mixed scrap	1,115–1,165	0%	22 Jul 16
Commercial cast	1,065–1,115	0%	22 Jul 16

Source: Assomet

Copper
Germany per 1000kg

Copper wire (berry)	4,300–4,450	0.11% ▲	27 Jul 16
Heavy copper	4,000–4,230	0.24% ▲	27 Jul 16
Heavy brass	2,650–2,850	-0.18% ▼	27 Jul 16
Brass turnings (MS 58)	2,950–3,150	-0.33% ▼	27 Jul 16
Brass sheet (MS 63)	3,140–3,330	-0.31% ▼	27 Jul 16

Source: Verein Deutscher Metallhändler

France per 1000kg

Electro cuttings	4,050–4,100	3.82% ▲	19 Jul 16
No 1 bright wire	3,850–3,870	3.9% ▲	19 Jul 16
Mixed (96%)	3,800–3,870	3.23% ▲	19 Jul 16
Brass plate cuttings 70/30	3,000–3,100	2.52% ▲	19 Jul 16
Brass turnings	2,500–2,550	2.02% ▲	19 Jul 16
Mixed brass	2,530–2,550	2.01% ▲	19 Jul 16

Source: Lettre d'Information Metaux

Italy per 1000kg

Electrolytic dd EN 12861-S-Cu-2	4,271–4,323	0.82% ▲	22 Jul 16
Enamelled wire EN 12861-S-Cu-3	4,109–4,161	0.85% ▲	22 Jul 16
New from tubes, strips etc EN 12861-S-Cu-4	4,230–4,282	0.83% ▲	22 Jul 16
Old from tubes, strips etc 12861-S-Cu-7	3,956–4,008	0.89% ▲	22 Jul 16
EN12861-S-Cu-Zn-1-A-Cu 63.5%	3,349–3,426	1.04% ▲	22 Jul 16
Mixed from valves/taps EN 12861-S-Cu-Zn-6	2,798–2,876	1.25% ▲	22 Jul 16
Several 95% m/m 12861-S-Cu-Zn-7	2,598–2,676	1.35% ▲	22 Jul 16

Source: Assomet

CHINA IRON ORE

cfr main China port \$ per dry metric tonne

	Price	Change†	Assessed
Iron ore index (62% fe)	59.37–59.37*	6.26% ▲	29 Jul 16
Iron ore pellet index cfr Qingdao (65% fe)	87.86–87.86*	5.4% ▲	29 Jul 16

STEELBENCHMARKER™ SCRAP PRICES

	Price	Change†	Assessed
Region: USA, east of the Mississippi			
Shredded scrap (\$/metric tonne)**	237	2.16% ▲	25 Jul 16
Shredded scrap (\$/gross ton)**	241	2.12% ▲	25 Jul 16
No 1 heavy melting scrap (\$/metric tonne)	208	-6.73% ▼	25 Jul 16
No 1 heavy melting scrap (\$/gross ton)	212	-6.19% ▼	25 Jul 16
No 1 busheling scrap (\$/metric tonne)	276	-1.78% ▼	25 Jul 16
No 1 busheling scrap (\$/gross ton)	280	-1.75% ▼	25 Jul 16

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

SCRAP SUBSTITUTES

	Price	Change†	Assessed
EU imports \$/tonne			
Pig iron imports cif Italy	245–250*	1.02% ▲	28 Jul 16
Latin American exports \$/tonne, delivery terms as stated			
Hot briquetted iron Venezuela	230–250*	0%	29 Jul 16
Pig iron fob Vitoria/Rio	215–230*	0%	29 Jul 16
Pig iron fob Ponta da Maderia	240–250*	0%	29 Jul 16
US imports \$/tonne cfr Gulf of Mexico			
Pig iron	255–265*	0%	29 Jul 16
CIS exports \$/tonne fob main port			
Pig iron Baltic Sea	270–275*	0%	28 Jul 16
Pig iron Black Sea	228–235*	1.76% ▲	28 Jul 16
China domestic yuan/tonne delivered warehouse			
Pig iron	1,650–1,700*	0%	29 Jul 16

UK NON-FERROUS SCRAP

	Price	Change†	Assessed
Aluminium – actual price			
<i>£ per tonne</i>			
Group 1 pure 99% & Litho	1,130–1,180*	-0.86% ▼	27 Jul 16
Commercial pure cuttings	930–960*	-1.05% ▼	27 Jul 16
Clean HE9 extrusions	1,130–1,180*	-0.86% ▼	27 Jul 16
Loose old rolled cuttings	750–800*	0%	27 Jul 16
Baled old rolled	820–900*	0%	27 Jul 16
Commercial cast	860–920*	0%	27 Jul 16
Cast wheels	1,070–1,120*	0%	27 Jul 16
Commercial turnings	600–650*	0%	27 Jul 16
Group 7 turnings	450–550*	0%	27 Jul 16

MB and LME aluminium scrap discounts

<i>£ per tonne</i>			
Group 1 pure 99% & Litho	34–84*	-25.32% ▼	27 Jul 16
Commercial pure cuttings	254–284*	-6.92% ▼	27 Jul 16
Clean HE9 extrusions	34–84*	-25.32% ▼	27 Jul 16
Loose old rolled cuttings	365–415*	4.28% ▲	27 Jul 16
Baled old rolled	265–345*	5.54% ▲	27 Jul 16
Commercial cast	245–305*	6.18% ▲	27 Jul 16
Cast wheels	45–95*	29.63% ▲	27 Jul 16
Commercial turnings	515–565*	3.05% ▲	27 Jul 16
Group 7 turnings	615–715*	2.47% ▲	27 Jul 16

Titanium

<i>\$/lb cif</i>			
Turnings, unprocessed type 90/6/4 (0.5% Sn max)	0.50–0.70*	0%	27 Jul 16
Turnings, unprocessed 90/6/4 (over 0.5% max 2% Sn)	0.31–0.37*	0%	27 Jul 16

† week-on-week change

continued >>

NON-FERROUS FOUNDRY INGOTS

	Price	Change [†]	Assessed
Aluminium UK £/tonne			
MB free market			
LM24 pressure diecasting ingot	1,340–1,420*	0%	27 Jul 16
LM6/LM25 gravity diecasting ingot	1,580–1,620*	0%	27 Jul 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	1,600–1,670*	0%	29 Jul 16
Aluminum US \$/lb delivered Midwest			
A380.1 alloy	0.83–0.84*	0%	28 Jul 16
AFFIMET €/tonne			
AS12	3,195	3.23% ▲	01 Jul 16
AS12 UN	2,875	-1.03% ▼	01 Jul 16
AS9 U3	2,250	-1.32% ▼	01 Jul 16
AS5 U3	2,600	-1.14% ▼	01 Jul 16
Reflects generally larger traded lots			
VDM €/1000 kg delivered			
DIN 226	2,180–2,280	0%	27 Jul 16
DIN 231	2,260–2,360	0%	27 Jul 16
DIN 311	2,240–2,340	0%	27 Jul 16
Aluminium bronze £/tonne UK			
AB1 ex-works	4,100	0%	26 Jul 16
AB2 ex-works	4,200	0%	26 Jul 16
Source: C. F. Booth Ltd			
Brass UK £/tonne			
SCB3 ex-works	3,400	0%	26 Jul 16
High tensile HTB1 ex-works	3,500	0%	26 Jul 16
Source: C. F. Booth Ltd			
Gunmetal UK £/tonne			
LG2 85/5/5/5 ex-works	3,950	0%	26 Jul 16
LG4 87/7/3/3 ex-works	4,550	0%	26 Jul 16
G11.15 PB ex-works	5,200	0%	26 Jul 16
Source: C. F. Booth Ltd			
Phosphor bronze UK £/tonne			
PB1 ex-works	5,550	0%	26 Jul 16
Source: C. F. Booth Ltd			
Phosphor copper £/tonne			
10% P ex-works	5,550	0%	26 Jul 16
15% P ex-works	5,650	0%	26 Jul 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	2,176	11.88% ▲	01 Jul 16
Brock Metal ZL5	2,198	11.86% ▲	01 Jul 16

[†] week-on-week change, based on available assessed prices over a one-week period

^{††} month-on-month change, based on available assessed prices over a one-month period

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Monthly averages: June

BASE METALS

	Low	High
Aluminium		
Aluminium P1020A, in-warehouse Rotterdam duty unpaid, spot \$/tonne Rotterdam premium	62.05	78.82
Aluminium P1020A, in-warehouse Rotterdam duty paid, spot \$/tonne H/G Cash \$/tonne	114.44	132.22
Alumina		
Index fob Australia	245.48	
Copper		
US High-grade cathode premium indicator, \$/tonne	132.28	143.30
Nickel		
Free market in warehouse premium		
Europe \$/tonne uncut cathodes	61.25	125.00
4x4 cathodes	150.00	250.00
briquettes	125.00	212.50
US Melting \$/lb	0.16	0.20
Tin		
European free market		
Spot Premium 99.9% \$/tonne	400.00	510.00
Spot premium 99.85% \$/tonne	325.00	362.50
Kuala Lumpur (ex-smelter) \$/tonne	16,885.24	

MINOR METALS

Antimony		
MB free market Regulus 99.65%, max Se 50ppm, \$/tonne in warehouse	6,322.22	6,583.33
MMTA Standard grade II \$/tonne	6,283.33	6,566.67
Bismuth		
MB free market min. 99.99%, \$/lb, tonne lots in warehouse	4.29	4.66
Cadmium		
MB free market		
min 99.95%, cents/lb in warehouse	68.67	74.67
min 99.99%, cents/lb in warehouse	72.89	78.33
Cobalt		
MB free market		
High Grade, \$/lb in warehouse	10.69	11.25
Low Grade, \$/lb in warehouse	10.54	11.14
Germanium Dioxide		
MB free market min 99.99%, \$/kg	795.00	870.00
Rotterdam \$/kg	1,150.00	1,350.00
Indium		
MB free market		
Ingot min 99.97%, \$/kg in warehouse	229.44	271.67
Magnesium		
MB free market		
min 99.8%, \$/tonne	1,950.00	2,050.00
China free market min 99.8%	1,968.00	1,996.00
Mercury		
MB free market min 99.99%, \$/flask in warehouse	1,125.00	1,450.00

	Low	High
Selenium		
MB free market		
min 99.5% in warehouse \$/lb	7.50	8.79
Silicon		
MB free market €/tonne	1,600.00	1,700.00
Titanium		
Ferro-Titanium		
70% (max 4.5% Al), \$/kg d/d Europe	3.53	3.83

ORES & ALLOYS

	Low	High
Molybdenum		
Free market in warehouse		
Europe drummed molybdic oxide \$/lb Mo	7.84	8.08
US canned molybdic oxide \$/lb Mo	7.70	8.03
Ferro-molybdenum		
basis 65% min, in-warehouse Rotterdam, \$/kg Mo	18.29	18.94
Tungsten		
European free market APT \$/mtu	203.25	221.00
Ferro-tungsten		
basis 75% W min	25.12	25.75
Vanadium		
min 98%, in-warehouse Rotterdam, \$/lb V2O5	3.28	3.63
Ferro-vanadium		
basis 78% min, free delivery duty paid consumer plant, 1st grade Western Europe \$/kg V	17.87	18.39
US Free market 70–80%	10.60	11.10

PRECIOUS METALS

Gold		
London \$/troy oz Morning	1,273.58	
Afternoon	1,276.40	
London £/troy oz Morning	896.73	
Afternoon	898.68	
\$/troy oz Handy/Harman	1,276.40	
Palladium		
Morning \$/troy oz	551.32	
Afternoon \$/troy oz	553.09	
Platinum: per troy oz		
Morning \$/troy oz	984.32	
Afternoon \$/troy oz	984.14	
Rhodium		
European free market		
min 99.9% in warehouse, \$/troy oz	609.77	709.77
Silver		
London		
spot pence/troy oz	1,211.01	
spot cents/troy oz	1,718.11	
Handy/Harman cents/troy oz	1,728.61	

FOUNDRY INGOTS

	Low	High
Aluminium		
LM24	1,254.00	1,320.00
LM6/LM25	1,494.00	1,542.00
Aluminium Europe €/tonne	1,585.00	1,665.00
Phosphor Bronze		
PB1 ex-works £/tonne	5,162.50	
Zinc Alloy		
10 tonne lots ZL3 £/tonne	1,945.00	

EXCHANGE RATES (CLOSING RATES)

\$/£	1.42
\$/yen	105.31
\$/€	1.12

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

LONDON METAL EXCHANGE

High, low and average June (22 days)

LME averages are mean of buyers and sellers except for settlement and 3 months sellers.

	June 2016 Low \$	High \$	June average \$
Aluminium (\$)			
Cash	1,452.50	1,672.75	1,591.83
3 months	1,451.25	1,674.50	1,600.51
Settlement	1,453.00	1,673.00	1,592.20
3 months seller	1,451.50	1,675.00	1,600.91
Copper Grade A (\$)			
Cash	4,310.25	5,102.50	4,630.26
3 months	4,320.25	5,070.25	4,637.35
Settlement	4,310.50	5,103.00	4,630.64
3 months seller	4,320.50	5,070.50	4,638.09
Copper Grade A (£)			
Settlement	3,005.51	3,595.26	3,263.63
3 months seller	3,012.06	3,598.54	3,266.59
Lead (\$)			
Cash	1,596.50	1,896.25	1,713.60
3 months	1,597.50	1,887.75	1,719.78
Settlement	1,597.00	1,896.50	1,713.91
3 months seller	1,598.00	1,888.00	1,720.41
Lead (£)			
Settlement	1,098.84	1,340.38	1,207.59
3 months seller	1,100.75	1,333.90	1,211.29
Nickel (\$)			
Cash	7,705.00	9,552.50	8,911.70
3 months	7,737.50	9,570.00	8,957.27
Settlement	7,710.00	9,555.00	8,915.45
3 months seller	7,750.00	9,575.00	8,961.59
Tin (\$)			
Cash	13,225.00	17,622.50	16,980.80
3 months	13,212.50	17,497.50	16,942.50
Settlement	13,235.00	17,625.00	16,985.23
3 months seller	13,225.00	17,500.00	16,962.73

	June 2016 Low \$	High \$	June average \$
Zinc (\$)			
Cash	1,453.25	2,102.25	2,022.59
3 months	1,466.50	2,097.50	2,027.80
Settlement	1,453.50	2,102.50	2,023.00
3 months seller	1,467.00	2,098.00	2,028.48
Cobalt (\$)			
Cash	21,702.50	24,000.00	23,794.77
3 months	21,800.00	24,000.00	23,789.77
Settlement	21,705.00	24,250.00	23,925.91
3 months seller	21,850.00	24,500.00	24,040.91
Molybdenum (\$)			
Cash	11,500.00	16,750.00	15,822.73
3 months	11,500.00	16,750.00	15,822.73
Settlement	11,750.00	17,000.00	16,072.73
3 months seller	11,750.00	17,000.00	16,072.73
Aluminium Alloy (\$)			
Cash	1,492.50	1,610.00	1,527.61
3 months	1,535.00	1,625.00	1,556.36
Settlement	1,495.00	1,615.00	1,532.50
3 months seller	1,540.00	1,630.00	1,561.36
Nasaa (\$)			
Cash	1,650.00	1,739.50	1,679.92
3 months	1,667.50	1,760.00	1,703.82
Settlement	1,651.00	1,740.00	1,684.16
3 months seller	1,670.00	1,765.00	1,708.27
Steel Billet (\$)			
Cash	75.00	312.50	239.77
3 months	90.00	315.00	246.59
Settlement	100.00	325.00	257.95
3 months seller	115.00	340.00	264.77

LME SETTLEMENT CONVERSION RATES

\$/£	1.42
\$/yen	105.47
\$/€	1.12