

Prices

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NEW YORK FUTURES

	Price	Change [†]	Assessed
Comex: Copper high grade cents/lb			
Settlement	222.45	-1.22% ▼	28 Apr 16
Open interest	172,761	-10.92% ▼	27 Apr 16
Stocks (short ton)	65,889	-2.14% ▼	27 Apr 16
Comex: Gold \$/troy oz			
Settlement	1,265.50	1.32% ▲	28 Apr 16
Open interest	502,059	-0.94% ▼	27 Apr 16
Stocks (troy oz)	7,250,269	0.61% ▲	27 Apr 16
Nymex: Palladium \$/troy oz			
Settlement	624.35	2.34% ▲	28 Apr 16
Stocks (troy oz)	72,555	-3.31% ▼	27 Apr 16
Nymex: Platinum \$/troy oz			
Settlement	1,050.70	1.95% ▲	28 Apr 16
Stocks (troy oz)	190,899	-0.12% ▼	27 Apr 16
Comex: Silver cents/troy oz			
Settlement	1,755.30	2.73% ▲	28 Apr 16
Open interest	203,472	5.65% ▲	27 Apr 16

SHANGHAI FUTURES

	Price	Change [†]	Assessed
Aluminium yuan/tonne	12,740	-0.35% ▼	29 Apr 16
Copper yuan/tonne	37,590	-0.79% ▼	29 Apr 16
Zinc yuan/tonne	15,240	1.53% ▲	29 Apr 16
Weekly stocks deliverable			
Aluminium (tonnes)	309,201	-3.19% ▼	29 Apr 16
Copper (tonnes)	311,894	-5.97% ▼	29 Apr 16
Zinc (tonnes)	259,549	-2.92% ▼	29 Apr 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	1,672.5-1,673	2.32% ▲	29 Apr 16
Cash unofficial	1,657.5-1,658.5	2.22% ▲	28 Apr 16
3 months official	1,674-1,675	1.96% ▲	29 Apr 16
3 months unofficial	1,659-1,660	1.81% ▲	28 Apr 16
LME Tapo notional average price (NAP)	1,558.88	1.76% ▲	28 Apr 16
LME stocks (tonnes)	2,645,725	-1.13% ▼	28 Apr 16
Aluminium alloy (A380.1/DIN/D12S) \$			
LME cash official	1,540-1,550	0%	29 Apr 16
LME cash unofficial	1,545.5-1,555.5	0.19% ▲	28 Apr 16
LME 3 months official	1,580-1,590	0%	29 Apr 16
LME 3 months unofficial	1,580-1,590	0%	28 Apr 16
LME stocks (tonnes)	16,840	-0.59% ▼	28 Apr 16
N. American special aluminium alloy			
LME cash official	1,700-1,710	-0.29% ▼	29 Apr 16
LME cash unofficial	1,701-1,711	-0.29% ▼	28 Apr 16
LME 3 months official	1,730-1,740	-0.57% ▼	29 Apr 16
LME 3 months unofficial	1,730-1,740	-0.57% ▼	28 Apr 16
LME stocks (tonnes)	54,180	0.11% ▲	28 Apr 16

Price Change Assessed

Copper grade A \$

LME cash official	5,044.5-5,045	0.59% ▲	29 Apr 16
LME cash unofficial	4,927-4,929	-1.18% ▼	28 Apr 16
LME 3 months official	5,032-5,034	0.55% ▲	29 Apr 16
LME 3 months unofficial	4,913-4,915	-1.14% ▼	28 Apr 16
LME Tapo notional average price (NAP)	4,841.43	0.82% ▲	28 Apr 16
LME stocks (tonnes)	149,500	1.15% ▲	28 Apr 16

Lead \$

LME cash official	1,795-1,795.5	1.21% ▲	29 Apr 16
LME cash unofficial	1,736-1,738	-2.14% ▼	28 Apr 16
LME 3 months official	1,796-1,797	0.98% ▲	29 Apr 16
LME 3 months unofficial	1,738-1,740	-2.08% ▼	28 Apr 16
LME stocks (tonnes)	175,025	-0.14% ▼	28 Apr 16

Nickel \$

LME cash official	9,455-9,460	3.62% ▲	29 Apr 16
LME cash unofficial	9,165-9,215	1.18% ▲	28 Apr 16
LME 3 months official	9,485-9,490	3.52% ▲	29 Apr 16
LME 3 months unofficial	9,200-9,250	1.23% ▲	28 Apr 16
LME stocks (tonnes)	417,438	-0.83% ▼	28 Apr 16

Tin \$

LME cash official	17,415-17,420	0.45% ▲	29 Apr 16
LME cash unofficial	17,149-17,199	-0.84% ▼	28 Apr 16
LME 3 months official	17,275-17,300	-0.07% ▼	29 Apr 16
LME 3 months unofficial	17,100-17,150	-0.87% ▼	28 Apr 16
LME stocks (tonnes)	5,575	17% ▲	28 Apr 16

Zinc special high grade \$

LME cash official	1,942-1,943	1.98% ▲	29 Apr 16
LME cash unofficial	1,888-1,890	-0.29% ▼	28 Apr 16
LME 3 months official	1,944-1,946	1.62% ▲	29 Apr 16
LME 3 months unofficial	1,895-1,897	-0.58% ▼	28 Apr 16
LME stocks (tonnes)	404,275	-0.84% ▼	28 Apr 16

Cobalt min 99.3%

LME cash official	23,500-24,000	4.16% ▲	29 Apr 16
LME 3 months official	23,500-24,000	5.32% ▲	29 Apr 16
LME stocks (tonnes)	654	0.93% ▲	28 Apr 16

Molybdenum \$

LME cash official	13,100-13,600	10.79% ▲	29 Apr 16
LME 3 months official	13,300-13,800	10.61% ▲	29 Apr 16
LME stocks (tonnes)	132	0%	28 Apr 16

Steel billet

LME cash official	50-100	0%	29 Apr 16
LME cash unofficial	50-100	0%	28 Apr 16
LME 3 months official	65-115	0%	29 Apr 16
LME 3 months unofficial	65-115	0%	28 Apr 16
LME stocks (tonnes)	0	0%	28 Apr 16

† week-on-week change

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Gold \$/troy oz				
London morning	1,274.5	2.34%	▲	29 Apr 16
London afternoon	1,256	0.54%	▲	28 Apr 16
Handy/Harman	1,256	0.54%	▲	28 Apr 16
Silver per troy oz				
London spot pence	1,221.69	2.16%	▲	29 Apr 16
London spot cents	1,785.5	3.87%	▲	29 Apr 16
Handy/Harman	1,756.5	2.3%	▲	28 Apr 16
Palladium \$/troy oz				
London morning	609	2.53%	▲	28 Apr 16
London afternoon	617	0.16%	▲	28 Apr 16
Platinum \$/troy oz				
London morning	1,032	0.58%	▲	28 Apr 16
London afternoon	1,040	-0.1%	▼	28 Apr 16
Kuala Lumpur tin market				
Tin \$/tonne	17,250	0.15%	▲	29 Apr 16

RAND FIXING PRICES

Rand fixing prices per tonne for London Metal Exchange trade

	Price	Change*	Assessed
Copper	71,931.61	0.2%	▲ 29 Apr 16
Aluminium	23,853.63	1.93%	▲ 29 Apr 16
Lead	25,600.24	0.82%	▲ 29 Apr 16
Zinc	27,703.29	1.6%	▲ 29 Apr 16
Nickel	134,880.68	3.21%	▲ 29 Apr 16
Tin	248,374.36	0.01%	▲ 29 Apr 16

EXCHANGE RATES

LME settlement conversion rates				
\$/£	1.4612	1.57%	▲	29 Apr 16
\$/¥	107.1200	-3.31%	▼	29 Apr 16
\$/€	1.1406	1.26%	▲	29 Apr 16
Closing rates, midpoint				
\$/£	1.4575	1.65%	▲	28 Apr 16
\$/¥	108.5600	-0.82%	▼	28 Apr 16
\$/€	1.1315	0.23%	▲	28 Apr 16
£/€	1.2881	1.42%	▲	28 Apr 16
\$/CNY	6.4810	0.03%	▲	28 Apr 16

MB BASE METAL PREMIUMS

All prices \$/tonne unless otherwise stated

*MB Copyright

	Price	Change*	Assessed
Copper			
Rotterdam, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne	50.0-60.0*	0%	27 Apr 16
Rotterdam, copper average premium, Grade A, cathode, in-warehouse, \$/tonne	51.79*	-3.23%	▼ 27 Apr 16
Leghorn, copper low-high premium, Grade A, cathode, cif, \$/tonne	60.0-70.0*	0%	25 Apr 16
Leghorn, copper average premium, Grade A, cathode, cif, \$/tonne	62.00*	-3.12%	▼ 25 Apr 16
South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne	50.0-70.0*	0%	28 Apr 16
South Korea, copper average premium, Grade A, cathode, cif, \$/tonne	58.00*	-10.77%	▼ 28 Apr 16
Singapore, copper low-high premium, Grade A, cathode, in warehouse, \$/tonne	5.0-20.0*	0%	28 Apr 16
Singapore, copper average premium, Grade A, cathode, in warehouse, \$/tonne	12.00*	20%	▲ 28 Apr 16
Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne	45.0-55.0*	-4.76%	▼ 29 Apr 16
Shanghai, copper average premium, Grade A, cathode, in-warehouse, \$/tonne	51.25*	-6.82%	▼ 29 Apr 16
Shanghai, copper low-high premium, Grade A, cathode, cif \$/tonne	45.0-55.0*	-4.76%	▼ 29 Apr 16

	Price	Change	Assessed
Shanghai, copper average premium, Grade A, cathode, cif \$/tonne	51.25*	-1.44%	▼ 29 Apr 16
Johor, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne	5.0-20.0*	0%	28 Apr 16
Johor, copper average premium, Grade A, cathode, in-warehouse \$/tonne	13.00*	30%	▲ 28 Apr 16
MB free market US: High-grade cathode premium indicator, \$/tonne	126.8-132.3*	2.17%	▲ 21 Apr 16
Aluminium			
Aluminium P1020A, in-warehouse Rotterdam duty unpaid, spot low-high, \$/tonne	70.0-85.0*	-6.06%	▼ 29 Apr 16
Aluminium P1020A, in-warehouse Rotterdam duty unpaid, spot weighted average, \$/tonne	78.00*	-4.29%	▼ 29 Apr 16
Aluminium P1020A, cif Korea (Gwangyang or Busan), spot low-high, \$/tonne	105.00-110.00*	2.38%	▲ 26 Apr 16
Aluminium P1020A, cif Korea (Gwangyang or Busan), spot weighted average, \$/tonne	105.00*	0%	26 Apr 16
Aluminium P1020A, in-warehouse Singapore, spot low-high, \$/tonne	50.0-70.0*	0%	26 Apr 16
Aluminium P1020A, in-warehouse Singapore, spot weighted average, \$/tonne	60.00*	0%	26 Apr 16
Aluminium P1020A, in-warehouse Johor, spot low-high, \$/tonne	50.0-70.0*	0%	26 Apr 16
Aluminium P1020A, in-warehouse Johor, spot weighted average, \$/tonne	60.00*	0%	26 Apr 16
Aluminium P1020A, cif Shanghai, spot low-high, \$/tonne	90.0-100.0*	0%	26 Apr 16
Aluminium P1020A, cif Shanghai, spot weighted average, \$/tonne	94.00*	-1.05%	▼ 26 Apr 16
Aluminium P1020A, cif main Japanese ports, spot low-high, \$/tonne	105.0-115.0*	0%	26 Apr 16
Aluminium P1020A, cif main Japanese ports, spot weighted average, \$/tonne	110.00*	0%	26 Apr 16
Aluminium P1020A, in-warehouse Rotterdam duty-paid, spot \$/tonne	120.0-140.0*	-7.14%	▼ 29 Apr 16
Aluminium P1020A, in-warehouse Rotterdam duty-paid, for delivery three months forward, \$/tonne	120.0-140.0*	-7.14%	▼ 29 Apr 16
Aluminium P1020A, cif main Japanese ports, quarterly, \$/tonne	115.0-117.0*	5.45%	▲ 31 Mar 16
Aluminium 6063 extrusion billet, in-warehouse Rotterdam duty-paid, spot \$/tonne	300.0-340.0*	-4.48%	▼ 29 Apr 16
Aluminium P1020A, delivered US midwest, spot, \$/lb	0.078-0.083*	-1.54%	▼ 27 Apr 16
Aluminium P1020A, delivered Sao Paulo region, spot, \$/tonne	200.0-280.0*	-12.73%	▼ 28 Apr 16
Aluminium P1020A, cif Brazilian main ports duty-unpaid, spot, \$/tonne	140.0-150.0*	-6.45%	▼ 28 Apr 16
Lead			
Rotterdam, lead low-high premium, 99.97% purity, in warehouse, \$/tonne	15.0-25.0*	0%	26 Apr 16
Rotterdam, lead average premium, 99.97% purity, in warehouse, \$/tonne	18.75*	0%	26 Apr 16
Johor, lead low-high premium, 99.97% purity, in warehouse, \$/tonne	10.0-20.0*	0%	28 Apr 16
Johor, lead average premium, 99.97% purity, in warehouse, \$/tonne	15.00*	0%	28 Apr 16
MB Battery grade free market premium in warehouse €/tonne	90.0-140.0*	0%	26 Apr 16

* week-on-week change

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	Price	Change	Assessed
Nickel			
Shanghai, nickel low-high premium, 99.8% purity in warehouse \$/tonne	140.0–180.0*	–5.88% ▼	28 Apr 16
Shanghai, nickel average premium, 99.8% purity in warehouse \$/tonne	155.00*	–6.06% ▼	28 Apr 16
uncut cathodes premium indicator	45.0–125.0*	–2.86% ▼	26 Apr 16
4x4 cathodes premium indicator	150.0–250.0*	0%	26 Apr 16
briquettes premium indicator	125.0–225.0*	0%	26 Apr 16
US: melting premium indicator \$/lb	0.150–0.200*	0%	20 Apr 16
Tin			
MB European free market			
Spot premium 99.9% \$/tonne	350–500*	0%	29 Apr 16
Spot premium 99.85% \$/tonne	325–375*	0%	29 Apr 16
Zinc			
Rotterdam, zinc low-high premium, 99.995% purity, in warehouse, \$/tonne	85.0–100.0*	0%	27 Apr 16
Rotterdam, zinc average premium, 99.995% purity, in warehouse, \$/tonne	90.00*	0%	27 Apr 16
South Korea, zinc low-high premium, 99.995% purity, in warehouse, \$/tonne	110.0–125.0*	–4.08% ▼	28 Apr 16
South Korea, zinc average premium, 99.995% purity, in warehouse, \$/tonne	120.00*	0%	28 Apr 16
Johor, zinc low-high premium, 99.995% purity, in warehouse, \$/tonne	70.0–80.0*	–3.23% ▼	28 Apr 16
Johor, zinc average premium, 99.995% purity, in warehouse, \$/tonne	75.00*	0%	28 Apr 16
Singapore, zinc low-high premium, 99.995% purity, in warehouse, \$/tonne	70.0–85.0*	0%	28 Apr 16
Singapore, zinc average premium, 99.995% purity, in warehouse, \$/tonne	75.00*	0%	28 Apr 16
Shanghai, zinc low-high premium, 99.995% purity, in warehouse, \$/tonne	100.0–120.0*	7.32% ▲	28 Apr 16
Shanghai, zinc average premium, 99.995% purity, in warehouse, \$/tonne	111.00*	3.85% ▲	28 Apr 16
MB US: Special high grade, \$/lb	0.060–0.070*	0%	28 Apr 16
MB EU: Special high grade, fca Rotterdam, \$/tonne	125.0–145.0*	0%	27 Apr 16

BASE METALS

	Price	Change [†]	Assessed
Alumina			
MB Chinese free market, metallurgical grade, delivered, duty paid RMB/tonne	1,860.0–2,050.0*	1.56% ▲	29 Apr 16
Alumina Index fob Australia	263.75*	3.43% ▲	29 Apr 16
Alumina Index fob Brazil	–2.04*		29 Apr 16
Copper & Brass			
Producer premium			
Codelco: Contract 2015 Grade A cathode (average)	92.0	–17.86% ▼	04 Jan 16
Germany: (VDM) Electro, €/tonne wirebar (DEL):	4,444.8–4,473.1	2.8% ▲	27 Apr 16
cathodes:	4,390.0–4,470.0	2.43% ▲	27 Apr 16
South Africa: Palabora copper rod 7.90mm, Rand/tonne	87,147.690	5.4% ▲	01 Apr 16

	Price	Change	Assessed
Nickel			
Nickel pig iron high grade NPI content 10–15% contract price delivered duty paid China RMB per nickel unit price	740.00–770.00*	2.72% ▲	26 Apr 16
Nickel pig iron high grade NPI content 10–15% spot price China RMB per nickel unit price	740.00–760.00*	3.09% ▲	26 Apr 16
Lead			
Germany: (VDM) virgin soft, €/tonne	1,750.00–1,750.00	1.45% ▲	27 Apr 16
European automotive battery premium free market (Eurobat)			
in warehouse Rotterdam €/tonne			
Soft lead (average)	155.42*	–0.01% ▼	31 Mar 16
Ca/Ca grid grid lead (average)	392.94*	0.29% ▲	31 Mar 16
Connector lead (average)	512.18*	–0.22% ▼	31 Mar 16
European industrial battery premium free market (Eurobat)			
in warehouse Rotterdam €/tonne			
Stand-by refined or soft lead (average)	240.15*	0.18% ▲	31 Mar 16
Traction refined or soft lead (average)	240.90	–1.4% ▼	31 Mar 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	1,433*	2.58% ▲	04 Apr 16

PRECIOUS METALS

	Price	Change [†]	Assessed
Iridium			
MB free market: min 99.9%, \$/troy oz in warehouse	470–570*	0%	29 Apr 16
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	520	0%	29 Apr 16
Engelhard base price: \$/troy oz	525	0%	29 Apr 16
Palladium			
European free market: min 99.9%, \$/troy oz in warehouse	617–634*	2.71% ▲	29 Apr 16
Engelhard base price: \$/troy oz	631	3.44% ▲	29 Apr 16
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	634	3.76% ▲	29 Apr 16
Platinum			
European free market: min 99.9%, \$/troy oz in warehouse	1,038–1,068*	2.03% ▲	29 Apr 16
Engelhard base price: \$/troy oz	1,062	3.11% ▲	29 Apr 16
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	1,068	3.19% ▲	29 Apr 16
Rhodium			
European free market: min 99.9%, \$/troy oz in warehouse	690–790*	1.37% ▲	29 Apr 16
Engelhard base price: \$/troy oz	745	–0.67% ▼	29 Apr 16
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	740	0%	29 Apr 16
Ruthenium			
European free market: min 99.9%, \$/troy oz in warehouse	37–47*	0%	29 Apr 16
Engelhard base price: \$/troy oz	42	0%	29 Apr 16
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	42	0%	29 Apr 16

[†] week-on-week change

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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	6,200–6,600*	2.4%	▲ 29 Apr 16
MMTA Standard Grade II, \$/tonne in warehouse Rotterdam	6,100–6,500*	2.02%	▲ 29 Apr 16
MB Chinese free market			
MMTA Standard Grade II, delivered duty paid RMB/tonne	37,000–40,000*	0%	27 Apr 16
Arsenic			
MB free market \$/lb	0.85–1.00*	0%	29 Apr 16
Bismuth			
MB free market \$/lb	4.35–4.60*	0%	29 Apr 16
MB China domestic, min 99.99%, RMB/tonne	60,500–62,000*	–0.81%	▼ 29 Apr 16
Cadmium			
MB free market min 99.95% cents/lb	70.00–76.00*	0%	29 Apr 16
MB free market min 99.99% cents/lb	72.00–79.00*	2.72%	▲ 29 Apr 16
Chromium			
MB free market alumino-thermic min 99% \$/tonne	7,600–8,000*	0%	29 Apr 16
Cobalt			
MB free market high-grade \$/lb	10.65–11.45*	0.91%	▲ 29 Apr 16
MB free market low-grade \$/lb	10.50–11.15*	0%	29 Apr 16
MB high-grade, weighted average of all confirmed international trades, \$/lb	11.11*	0.27%	▲ 27 Apr 16
MB low-grade, weighted average of all confirmed international trades, \$/lb	10.93*	3.11%	▲ 29 Apr 16
MB China domestic, min 99.8% RMB/tonne	183,000–205,000*	–0.77%	▼ 29 Apr 16
Cobalt tetroxide min 72.6% Co delivered China RMB/tonne	129,000–138,000*	–1.11%	▼ 29 Apr 16
Gallium			
MB free market \$/kg	110–150*	0%	29 Apr 16
MB China domestic, min 99.99%, RMB/kg	680–730*	0%	27 Apr 16
Germanium			
Germanium dioxide MB free market \$/kg	835–910*	0%	29 Apr 16
Germanium metal \$/kg Rotterdam	1,200–1,400*	0%	29 Apr 16
Germanium metal MB China domestic, min 99.999%, RMB/kg	6,800–7,300*	0%	27 Apr 16
Indium			
MB free market \$/kg	240–280*	–0.95%	▼ 29 Apr 16
MB China domestic, min 99.99% RMB/kg	1,410–1,460*	0%	27 Apr 16
Indium Corp ingots min 99.97% \$/kg fob	440.00	–40.94%	▼ 26 Jun 15
Magnesium			
European free market \$ per tonne	2,150–2,300*	–1.77%	▼ 29 Apr 16
China free market min 99.8% Mg, fob China main ports, \$ per tonne	2,260–2,280*	0.89%	▲ 27 Apr 16
MB Chinese free market min 99% Mg, ex-works RMB/tonne	14,000–14,200*	0.36%	▲ 27 Apr 16
Manganese flake			
MB free market \$/tonne	1,640–1,720*	–1.47%	▼ 29 Apr 16
Mercury			
MB free market \$ per flask	1,150–1,550*	0%	29 Apr 16
Rhenium in warehouse Rotterdam duty paid			
Metal pellets, min 99.9% \$/lb	840–940*	0%	29 Apr 16
APR catalytic grade \$/kg Re	2,650–2,800*	0%	29 Apr 16

	Price	Change	Assessed
Selenium			
MB free market \$/lb	4.80–5.90*	2.88%	▲ 29 Apr 16
MB China domestic, min 99.9%, RMB/kg	80–100*	0%	29 Apr 16
Selenium dioxide, MB China domestic, min 98%, RMB/kg	57–63*	0%	29 Apr 16
Silicon			
MB free market €/tonne	1,600–1,700*	0%	29 Apr 16
US free market cents/lb	93–95*	–2.59%	▼ 11 Apr 16
Export from mainland China min 98.5%, \$/tonne fob	1,660–1,680*	–0.3%	▼ 27 Apr 16
Tellurium			
MB free market \$/kg	25.00–40.00*	0%	29 Apr 16
MB China domestic, min 99.99%, RMB/kg	260–290*	1.85%	▲ 29 Apr 16
Titanium			
MB free market ferro-titanium 70% (max 4.5% Al) \$/kg Ti d/d Europe	3.60–3.90*	0%	29 Apr 16
Titanium ores \$/tonne			
Rutile conc min 95% TiO ₂ bagged, fob/Aus	620–650	0%	28 Apr 16
Rutile bulk conc min 95% TiO ₂ fob/Aus	650–700	0%	28 Apr 16
Ilmenite bulk conc min 54% TiO ₂ fob/Aus	100–110	0%	28 Apr 16

[†] week-on-week change

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NOBLE ALLOYS & ORES			
	Price	Change [†]	Assessed
Lithium ores			
Petalite 4.2% Li ₂ O bagged fob Durban \$/tonne	170–265	0%	28 Apr 16
Spodumene 7.25% Li ₂ O cif Europe \$/tonne	740–790	0%	28 Apr 16
Molybdenum molybdic oxide			
Europe drummed molybdic oxide \$/lb Mo	6.15–6.30*	11.66% ▲	29 Apr 16
US canned molybdic oxide \$/lb Mo	5.70–6.00*	4.46% ▲	28 Apr 16
Ferro-molybdenum			
basis 65% min, in-warehouse Rotterdam \$/kg Mo	15.75–16.25*	12.08% ▲	29 Apr 16
US free market 65–70% Mo \$/lb in warehouse Pittsburgh	7.10–7.50*	4.29% ▲	28 Apr 16
MB Chinese free market concentrate 45% Mo in warehouse China RMB/mtu	810–830*	3.8% ▲	27 Apr 16
Tungsten			
European free market APT \$/mtu	205–215*	5.53% ▲	29 Apr 16
Export from mainland China APT Chinese No1 grade, min 88.5% WO ₃ , S/mtu fob	208–216*	2.17% ▲	27 Apr 16
MB Chinese free market concentrate 65% WO ₃ in warehouse China RMB/tonne	75,000–78,000*	6.99% ▲	27 Apr 16
Ferro-tungsten			
Basis 75% W min \$/kg W in warehouse Rotterdam duty unpaid	25.00–25.30*	0.6% ▲	29 Apr 16
Vanadium			
Ferro-vanadium basis 78% min, free delivery duty paid consumer plant, 1st grade, Western Europe \$/kg V	20.00–21.00*	6.91% ▲	29 Apr 16
US free market ferro-vanadium \$/lb in warehouse Pittsburgh	9.40–9.75*	5.51% ▲	28 Apr 16
Vandium pentoxide min 98%, in-warehouse Rotterdam \$ per lb V2O5	3.40–3.50*	0%	29 Apr 16
Zircon			
Foundry grade bulk \$/tonne fob Australia	950–1,000	0%	28 Apr 16
Premium bulk \$/tonne fob Australia	1,000–1,050	0%	28 Apr 16
BULK ALLOYS			
	Price	Change [†]	Assessed
Ferro-chrome \$/lb Cr			
China import charge chrome 50% Cr index, cif Shanghai, duty unpaid	0.69*	11.29% ▲	29 Apr 16
Lumpy Cr charge basis 52% Cr (and high carbon) quarterly	0.82*	–10.87% ▼	07 Apr 16
6–8% C basis 60% Cr max 1.5% Si	0.78–0.86*	1.23% ▲	29 Apr 16
0.10% C average 60–70% Cr	1.83–1.90*	0%	22 Apr 16
European low carbon in warehouse 0.06% C max – 65% Cr	1.90–1.95*	0%	22 Apr 16
Low phosphorous Cr min 65% C max 7% Si max 1% p max 0.015% Ti max 0.05%	0.90–0.94*	0%	22 Apr 16
US free market in warehouse Pittsburgh 6–8% C basis 60–65% Cr max 2% Si	0.890–0.930*	–0.55% ▼	28 Apr 16
US free market low carbon duty paid fob Pittsburgh			
0.05% C – 65% min Cr	2.20–2.22*	0%	28 Apr 16
0.10% C – 62% min Cr	1.87–1.90*	0%	28 Apr 16
0.15% C – 60% min Cr	1.84–1.86*	0%	28 Apr 16
Spot 6–8% C basis 50% Cr delivered duty paid China RMB/tonne	5,500–5,950*	7.01% ▲	29 Apr 16
Contract 6–8% C basis 50% Cr delivered duty paid China RMB/tonne	5,097–5,300*	5.05% ▲	29 Apr 16

	Price	Change	Assessed
Chrome ore \$/tonne			
<i>Chrome ore cif main Chinese ports</i>			
South African UG2 chrome ore concs, basis 42%	125–130*	13.33% ▲	29 Apr 16
Turkish lumpy 40–42% cfr main Chinese ports	165–175*	3.66% ▲	29 Apr 16
Ferro-manganese			
basis 78% Mn (scale pro rata) standard 7.5% C €/tonne	650–680*	5.98% ▲	29 Apr 16
US free market 78% Mn standard 7.5% C \$/long ton in warehouse Pittsburgh	780–830*	0%	28 Apr 16
US free market medium carbon duty paid fob Pittsburgh, 80% min Mn 1.5% max C \$/lb	0.76–0.78*	0%	28 Apr 16
MB Chinese free market min 65% Mn max 7.0% C in warehouse China RMB/tonne	4,700–4,800*	3.26% ▲	29 Apr 16
Manganese ore			
44% Mn, cif Tianjin \$/dmtu of metal contained	4.08*	1.24% ▲	29 Apr 16
37% Mn, fob Port Elizabeth \$/dmtu of metal contained	3.38*	–6.11% ▼	29 Apr 16
Ferro-silicon			
Lumpy basis 75% Si (scale pro rata) €/tonne	910–960*	2.19% ▲	29 Apr 16
US free market \$/lb in warehouse Pittsburgh lumpy basis 75% Si – imported	0.70–0.75*	0%	28 Apr 16
Export from mainland China, min 75% Si, 7.5% C, \$/tonne, fob	1,050–1,100*	–1.38% ▼	29 Apr 16
MB Chinese free market min 75% in warehouse China RMB/tonne	4,400–4,700*	–6.19% ▼	29 Apr 16
Silico-manganese			
Lumpy basis 65–75% Mn basis 15–19% Si (scale pro rata) €/tonne	685–735*	4.03% ▲	29 Apr 16
US free market \$/lb in warehouse Pittsburgh	0.40–0.41*	0%	28 Apr 16
MB Chinese free market min 65% Mn max 17% Si in warehouse China RMB/tonne	5,200–5,400*	–2.75% ▼	29 Apr 16
65% min Mn 16% min Si \$/tonne fob India	790–820*	–7.47% ▼	26 Apr 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	375–400*	0%	27 Apr 16
Wire rod (mesh quality)	420–440*	0%	27 Apr 16
Plate (8–40mm)	390–400*	1.28% ▲	27 Apr 16
Hot rolled coil	400–420*	17.14% ▲	27 Apr 16
Cold rolled coil	430–450*	0%	27 Apr 16
Hot-dip galvanized coil	420–450*	0%	27 Apr 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	375–400*	0%	27 Apr 16
Wire rod (mesh quality)	400–420*	0%	27 Apr 16
Plate (8–40mm)	380–390*	0%	27 Apr 16
Hot rolled coil	440–450*	23.61% ▲	27 Apr 16
Cold rolled coil	420–440*	0%	27 Apr 16
Hot-dip galvanized coil	450–480*	0%	27 Apr 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	420–440*	4.24%	▲	27 Apr 16
Wire rod (mesh quality)	415–430*	0%		27 Apr 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	465–470*	2.75%	▲	27 Apr 16
Wire rod (mesh quality)	430–440*	–0.57%	▼	27 Apr 16
Sections (medium)	515–535*	4.48%	▲	27 Apr 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	435–440*	3.55%	▲	27 Apr 16
Wire rod (mesh quality)	415–420*	0%		27 Apr 16
Sections (medium)	535–550*	3.83%	▲	27 Apr 16

Northern Europe € per tonne ex-works

Plate (8–40mm)	460–480*	5.62%	▲	27 Apr 16
Hot rolled coil	390–420*	8%	▲	27 Apr 16
Cold rolled coil	500–520*	8.51%	▲	27 Apr 16
Hot-dip galvanized coil	500–520*	7.37%	▲	27 Apr 16

Southern Europe € per tonne ex-works

Plate (8–40mm)	460–480*	5.62%	▲	27 Apr 16
Hot rolled coil	400–420*	9.33%	▲	27 Apr 16
Cold rolled coil	500–520*	10.87%	▲	27 Apr 16
Hot-dip galvanized coil	500–520*	9.68%	▲	27 Apr 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	405–420*	3.77%	▲	25 Apr 16
Slab	365–380*	4.93%	▲	25 Apr 16
Rebar	470–485*	6.7%	▲	25 Apr 16
Wire rod (mesh)	475–480*	4.37%	▲	25 Apr 16
Heavy plate (10–50mm)	477–480*	11.41%	▲	25 Apr 16
Hot rolled coil	435–440*	2.94%	▲	25 Apr 16
Cold rolled coil	480–490*	0%		25 Apr 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	25,300–27,600*	0%		25 Apr 16
Hot rolled sheet	35,600–35,650*	0%		25 Apr 16
Cold rolled sheet	39,500–39,550*	0%		25 Apr 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	450–460*	5.2%	▲	28 Apr 16
Rebar	490–500*	5.88%	▲	28 Apr 16
Wire rod (mesh quality)	500–510*	1.51%	▲	28 Apr 16
Merchant bars	480–500*	0%		28 Apr 16

Turkish domestic

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

Billet	460–470*	9.41%	▲	28 Apr 16
Rebar	495–505*	4.71%	▲	28 Apr 16
Wire rod (mesh quality)	530–540*	6.47%	▲	28 Apr 16
Hot rolled coil	520–530*	3.96%	▲	29 Apr 16
Cold rolled coil	650–660*	9.17%	▲	29 Apr 16

Turkish imports

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

Billet	440–442*	6.91%	▲	28 Apr 16
Hot rolled coil	480–500*	10.73%	▲	29 Apr 16
Cold rolled coil	550–551*	9.99%	▲	29 Apr 16

UAE imports

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

Billet	400–440*	0.6%	▲	26 Apr 16
Rebar	495–500*	5.85%	▲	26 Apr 16
Hot rolled coil	515–530*	13.59%	▲	26 Apr 16
Cold rolled coil	570–580*	13.86%	▲	26 Apr 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)	15.80–16.30*	–4.75%	▼	27 Apr 16
Plate	17.60–18.90*	0.55%	▲	27 Apr 16
Hot rolled coil	18.50–20.00*	–1.28%	▼	27 Apr 16
Cold rolled coil	23.80–25.00*	12.18%	▲	27 Apr 16
Hot-dip galvanized coil	25.80–27.20*	4.74%	▲	27 Apr 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	430–440*	2.35%	▲	27 Apr 16
Rebar	465–475*	1.08%	▲	27 Apr 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	5,600–5,875*	16.56%	▲	28 Apr 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	330–350*	6.25%	▲	29 Apr 16
Slab	360–370*	9.77%	▲	29 Apr 16
Rebar	420–425*	14.19%	▲	29 Apr 16
Wire rod mesh quality	420–425*	14.97%	▲	29 Apr 16
Heavy plate over 10mm	400–425*	0%		29 Apr 16
Hot rolled coil (dry)	430–435*	22.7%	▲	29 Apr 16
Cold rolled coil	490–495*	18.67%	▲	29 Apr 16
Galvanized coil	485–525*	0%		29 Apr 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 cif port Houston</i>			
Rebar	435-449*	11.9% ▲	20 Apr 16
Merchant bars	480-500*	0%	25 Mar 16
Wire rod (low carbon)	472-500*	9.83% ▲	27 Apr 16
Medium sections	520-540*	9.28% ▲	28 Apr 16
Medium plate	430-490*	13.58% ▲	20 Apr 16
Hot rolled coil (commodity)	420-450*	8.75% ▲	20 Apr 16
Cold rolled coil	530-590*	5.66% ▲	20 Apr 16
Hot dipped galvanized 0.012-0.015, G30	670-690*	4.62% ▲	20 Apr 16
Hot dipped galvanized 0.019, G60	630-640*	4.96% ▲	20 Apr 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)	500-540*	0%	20 Apr 16
Wire rod (mesh quality fob mill)	500-530*	0%	27 Apr 16
Plate (fob mill)	580-580*	3.57% ▲	22 Apr 16
Hot rolled sheet (fob mill)	530-530*	1.92% ▲	28 Apr 16
Cold rolled sheet (fob mill)	700-700*	1.45% ▲	28 Apr 16
Hot-dip galvanized (base) (fob mill)	700-700*	1.45% ▲	28 Apr 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	415-425*	1.2% ▲	29 Apr 16
Wire rod (mesh quality)	425-435*	-0.58% ▼	29 Apr 16
Heavy plate	420-430*	0%	29 Apr 16
Hot rolled coil	435-440*	-7.41% ▼	29 Apr 16
Cold rolled coil	505-510*	0.5% ▲	29 Apr 16
Galvanized coil 1mm	590-600*	8.68% ▲	29 Apr 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	2,770-2,850*	-3.6% ▼	29 Apr 16
Wire rod (mesh)	2,970-3,000*	-3.4% ▼	29 Apr 16
Sections	2,790-2,800*	-3.95% ▼	29 Apr 16
Plate	2,930-2,960*	-6.36% ▼	29 Apr 16
Hot rolled coil (min 2mm)	3,100-3,130*	-2.81% ▼	29 Apr 16
Cold rolled coil (0.5 - 2 mm)	3,600-3,690*	-1.49% ▼	29 Apr 16
Hot-dip galvanized coil	4,400-4,450*	-1.12% ▼	29 Apr 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	2,950-3,010*	-1.97% ▼	29 Apr 16
Wire rod (mesh)	2,990-3,180*	-0.16% ▼	29 Apr 16
Sections	2,980-3,030*	-3.84% ▼	29 Apr 16
Plate	2,980-3,000*	-6.27% ▼	29 Apr 16
Hot rolled coil (min 2mm)	3,050-3,080*	-2.54% ▼	29 Apr 16
Cold rolled coil (0.5 - 2 mm)	3,850-3,910*	-2.39% ▼	29 Apr 16
Hot-dip galvanized coil	4,400-4,500*	-1.66% ▼	29 Apr 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	270-275*	0%	22 Apr 16
Plate (12-40mm)	355-360*	0%	22 Apr 16
Hot rolled coil (commodity)	410-415*	0%	22 Apr 16
Hot-dip galvanized coil	560-565*	0%	22 Apr 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)	410-420*	0%	22 Apr 16
Hot rolled coil (commodity)	435-450*	0%	22 Apr 16
Hot rolled coil (CR grade)	435-450*	0%	22 Apr 16
Cold rolled	530-540*	5.42% ▲	22 Apr 16

Indian domestic

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

Billet	22,200-22,300*	-2.2% ▼	22 Apr 16
Heavy plate	27,000-27,500*	0%	22 Apr 16
Hot rolled coil	30,500-31,000*	0%	22 Apr 16
Cold rolled coil	35,500-36,000*	0%	22 Apr 16
DRI	11,500-12,000*	-5.62% ▼	22 Apr 16
Hot-dip galvanized coil	41,000-42,000*	0%	22 Apr 16

STEELBENCHMARKER™ PRICES

	Price	Change [†]	Assessed
Region: USA east of the Mississippi			
Standard plate (\$/metric tonne)	675	8.7% ▲	25 Apr 16
Standard plate (\$/short ton)	613	8.88% ▲	25 Apr 16
Hot rolled coil (\$/metric tonne)	559	10.91% ▲	25 Apr 16
Hot rolled coil (\$/short ton)	507	10.94% ▲	25 Apr 16
Cold rolled coil (\$/metric tonne)	751	8.53% ▲	25 Apr 16
Cold rolled coil (\$/short ton)	681	8.44% ▲	25 Apr 16

Region: Mainland China

Rebar	390	17.82% ▲	25 Apr 16
Standard plate	398	15.36% ▲	25 Apr 16
Hot rolled coil	414	17.61% ▲	25 Apr 16
Cold rolled coil	490	14.22% ▲	25 Apr 16

Region: World export market

Hot rolled coil (\$/metric tonne)	434	17.3% ▲	25 Apr 16
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STAINLESS STEEL

	Price	Change [†]	Assessed
Asia import			
\$/tonne cif East Asian port			
Grade 304 2mm CR coil 2B	1,730-1,780*	4.78% ▲	29 Apr 16
Grade 304 HR sheet	1,680-1,730*	5.57% ▲	29 Apr 16
China domestic			
yuan/tonne, in warehouse			
Grade 304 2mm CR coil	13,000-13,300*	6.91% ▲	29 Apr 16
Grade 430 2mm CR coil	7,200-7,300*	5.84% ▲	29 Apr 16
EU export			
€/tonne fob N. European port			
Min 100 tonne lot			
Grade 304 2mm CR sheet	1,799-1,943*	-1.6% ▼	29 Apr 16
EU domestic			
2mm 304 cold rolled stainless sheet, €/tonne			
Base price	1,060-1,090*	0%	29 Apr 16
Alloy surcharge	739-853*	-3.69% ▼	29 Apr 16
304 stainless steel bright bar, €/tonne			
Base price	790-820*	0%	29 Apr 16
Alloy surcharge	960-1,024*	-5.97% ▼	29 Apr 16

[†] week-on-week change

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 therefore be read in conjunction with editorial comment on the Scrap and Secondary Metals pages.</i>			
<i>£/tonne</i>			
Cut grades			
0A plate and structural	135-145*	16.67% ▲	08 Apr 16
1&2 old steel	120-130*	19.05% ▲	08 Apr 16
12A/C New production heavy and shovellable steel	135-145*	16.67% ▲	08 Apr 16
12D New production heavy and shovellable steel	140-150*	16% ▲	08 Apr 16
Bales and cuttings			
4A new steel bales	140-150*	16% ▲	08 Apr 16
4C new steel bales	135-145*	16.67% ▲	08 Apr 16
8A new loose light cuttings	130-140*	17.39% ▲	08 Apr 16
8B new loose light cuttings	115-125*	20% ▲	08 Apr 16
Turnings			
UK inter-merchant 7B heavy steel turnings	80-90*	30.77% ▲	08 Apr 16
Cast iron			
9A/10 heavy and light cast iron	115-125*	20% ▲	08 Apr 16
9B/C cylinder block scrap	135-145*	16.67% ▲	08 Apr 16
11A cast iron borings	105-115*	22.22% ▲	08 Apr 16
<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	65-82*	1.38% ▲	22 Apr 16
UK ferrous scrap export			
<i>MB assessment \$/tonne fob main UK port</i>			
HMS 1&2 (80:20 mix)	295-296*	12.36% ▲	29 Apr 16
Shredded	305-306*	11.9% ▲	29 Apr 16
Indian imports			
<i>MB assessment \$/tonne cfr Nhava Sheva</i>			
MB index cfr India shredded	296.79*	7.4% ▲	29 Apr 16
HMS 1&2 (80:20 mix)	240-270*	4.08% ▲	29 Apr 16
Alloy steel scrap domestic			
<i>UK wholesale merchants' stainless (£/tonne)</i>			
18/8 solids	600-640*	0%	29 Apr 16
18/8 turnings	510-545*	0%	29 Apr 16
12-13% Cr solids	75-85*	33.33% ▲	29 Apr 16
16-17% Cr solids	105-125*	21.05% ▲	29 Apr 16
Cif Europe stainless € per tonne			
18/8 solids	895-915*	0.28% ▲	29 Apr 16
18/8 turnings	795-815*	0.31% ▲	29 Apr 16
Rotterdam export			
<i>MB assessment \$/tonne fob Rotterdam</i>			
MB index fob Rotterdam HMS 1&2 (80:20)	263.22*	8.85% ▲	22 Apr 16
HMS 1&2 (70:30 mix)	284-285*	10.7% ▲	29 Apr 16
Shredded	304-305*	11.95% ▲	29 Apr 16
Turkish import			
<i>MB assessment \$/tonne cfr main Turkish ports</i>			
MB index cfr Turkey HMS 1&2 (80:20) (North Europe material)	302.40*	6.07% ▲	28 Apr 16
HMS 1&2 (70:30 mix)	297-298*	10.19% ▲	29 Apr 16
Shredded	317-318*	11.4% ▲	29 Apr 16

Price Change Assessed

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

HMS 1&2 (80:20)	299.50*	12.17% ▲	27 Apr 16
Shredded	304.50*	11.95% ▲	27 Apr 16

USA domestic
AMM Midwest index \$/gross ton delivered mill

No1 heavy melting scrap	230.69*	27.73% ▲	11 Apr 16
No1 busheling	244.08*	25.84% ▲	11 Apr 16
Shredded	256.70*	26.78% ▲	11 Apr 16

China domestic
yuan/tonne delivered mill

Heavy scrap	1,570-1,690*	2.19% ▲	29 Apr 16
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Germany domestic
€/tonne delivered at scrapyard, source: BDSV

No E2/8 (new steel scrap)	144.10	7.62% ▲	01 Mar 16
No E1 (old steel scrap)	126.60	6.39% ▲	01 Mar 16
No E3 (old thick steel scrap)	141.50	5.13% ▲	01 Mar 16
No E40 (shredded steel scrap)	146.90	5.15% ▲	01 Mar 16
No E5 (steel turnings)	105.40	8.88% ▲	01 Mar 16

[†] week-on-week change

continued >>

NON-FERROUS SCRAP EUROPE

	Price	Change [†]	Assessed
Aluminium			
European free market MB assessment €/tonne			
Floated frag	1,200–1,270*	0.82% ▲	29 Apr 16
Cast	1,180–1,240*	1.68% ▲	29 Apr 16
Mixed turnings 6%	980–1,050*	0.5% ▲	29 Apr 16

Source: VDM

Germany per 1000kg

Pure cuttings	1,180–1,260	4.27% ▲	27 Apr 16
Commercial cast	1,160–1,280	2.52% ▲	27 Apr 16
H9 extrusions	1,430–1,530	5.71% ▲	27 Apr 16
Alloy turnings	840–960	0%	27 Apr 16

Source: VDM

France per 1000kg

Pure cuttings	1,270–1,300	6.2% ▲	26 Apr 16
Old rolled	650–700	8% ▲	26 Apr 16
Commercial cast	850–890	3.57% ▲	26 Apr 16

Source: Lettre d'Information Metaux

Italy per 1000kg

Pure cuttings	1,145–1,245	0%	22 Apr 16
Old mixed scrap	1,110–1,160	0%	22 Apr 16
Commercial cast	1,060–1,110	0%	22 Apr 16

Source: Assomet

Copper

Germany per 1000kg

Copper wire (berry)	4,200–4,380	2.39% ▲	27 Apr 16
Heavy copper	4,000–4,120	2.78% ▲	27 Apr 16
Heavy brass	2,600–2,820	2.26% ▲	27 Apr 16
Brass turnings (MS 58)	2,920–3,090	2.21% ▲	27 Apr 16
Brass sheet (MS 63)	3,070–3,290	2.42% ▲	27 Apr 16

Source: Verein Deutscher Metallhändler

France per 1000kg

Electro cuttings	4,000–4,050	3.87% ▲	26 Apr 16
No 1 bright wire	3,800–3,850	3.8% ▲	26 Apr 16
Mixed (96%)	3,780–3,800	3.13% ▲	26 Apr 16
Brass plate cuttings 70/30	2,950–3,000	4.39% ▲	26 Apr 16
Brass turnings	2,480–2,530	1.62% ▲	26 Apr 16
Mixed brass	2,450–2,550	3.09% ▲	26 Apr 16

Source: Lettre d'Information Metaux

Italy per 1000kg

Electrolytic dd EN 12861–S–Cu–2	4,208–4,260	3.39% ▲	22 Apr 16
Enamelled wire EN 12861–S–Cu–3	4,046–4,098	3.53% ▲	22 Apr 16
New from tubes, strips etc EN 12861–S–Cu–4	4,167–4,219	3.43% ▲	22 Apr 16
Old from tubes, strips etc 12861–S–Cu–7	3,893–3,945	3.68% ▲	22 Apr 16
EN12861–S–Cu–Zn–1–A–Cu 63.5%	3,176–3,253	2.91% ▲	22 Apr 16
Mixed from valves/taps EN 12861–S–Cu–Zn–6	2,625–2,703	3.54% ▲	22 Apr 16
Several 95% m/m 12861–S–Cu–Zn–7	2,425–2,503	3.83% ▲	22 Apr 16

Source: Assomet

CHINA IRON ORE

cfr main China port \$ per dry metric tonne

	Price	Change [†]	Assessed
Iron ore index (62% fe)	66.24–66.24*	–0.14% ▼	29 Apr 16
Iron ore pellet index cfr Qingdao (65% fe)	87.39–87.39*	0.67% ▲	29 Apr 16

STEELBENCHMARKER™ SCRAP PRICES

	Price	Change [†]	Assessed
Region: USA, east of the Mississippi			
Shredded scrap (\$/metric tonne)**	240	–1.64% ▼	25 Apr 16
Shredded scrap (\$/gross ton)**	244	–1.61% ▼	25 Apr 16
No 1 heavy melting scrap (\$/metric tonne)	216	0%	25 Apr 16
No 1 heavy melting scrap (\$/gross ton)	220	0%	25 Apr 16
No 1 busheling scrap (\$/metric tonne)	238	–0.42% ▼	25 Apr 16
No 1 busheling scrap (\$/gross ton)	241	–0.82% ▼	25 Apr 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	300–310*	3.39% ▲	28 Apr 16
Latin American exports \$/tonne, delivery terms as stated			
Hot briquetted iron Venezuela	230–250*	0%	29 Apr 16
Pig iron fob Vitoria/Rio	265–270*	8.08% ▲	29 Apr 16
Pig iron fob Ponta da Maderia	275–280*	7.77% ▲	29 Apr 16
US imports \$/tonne cfr Gulf of Mexico			
Pig iron	290–295*	7.34% ▲	29 Apr 16
CIS exports \$/tonne fob main port			
Pig iron Baltic Sea	300–315*	0.82% ▲	28 Apr 16
Pig iron Black Sea	290–305*	4.75% ▲	28 Apr 16
China domestic yuan/tonne delivered warehouse			
Pig iron	1,950–1,960*	5.96% ▲	29 Apr 16

UK NON-FERROUS SCRAP

	Price	Change [†]	Assessed
Aluminium – actual price			
<i>£ per tonne</i>			
Group 1 pure 99% & Litho	1,030–1,080*	0%	27 Apr 16
Commercial pure cuttings	850–900*	2.94% ▲	27 Apr 16
Clean HE9 extrusions	1,030–1,080*	0%	27 Apr 16
Loose old rolled cuttings	630–700*	4.72% ▲	27 Apr 16
Baled old rolled	720–780*	3.45% ▲	27 Apr 16
Commercial cast	790–870*	3.11% ▲	27 Apr 16
Cast wheels	1,000–1,060*	–0.48% ▼	27 Apr 16
Commercial turnings	540–620*	0.87% ▲	27 Apr 16
Group 7 turnings	400–490*	18.67% ▲	27 Apr 16

MB and LME aluminium scrap discounts

<i>£ per tonne</i>			
Group 1 pure 99% & Litho	37–87*	58.97% ▲	27 Apr 16
Commercial pure cuttings	217–267*	–0.82% ▼	27 Apr 16
Clean HE9 extrusions	37–87*	58.97% ▲	27 Apr 16
Loose old rolled cuttings	371–441*	–9.78% ▼	27 Apr 16
Baled old rolled	291–351*	–10.83% ▼	27 Apr 16
Commercial cast	201–281*	–13.93% ▼	27 Apr 16
Cast wheels	11–71*	–18% ▼	27 Apr 16
Commercial turnings	451–531*	–3.73% ▼	27 Apr 16
Group 7 turnings	581–671*	–11.83% ▼	27 Apr 16

Titanium

<i>\$/lb cif</i>			
Turnings, unprocessed type 90/6/4 (0.5% Sn max)	0.55–0.77*	3.94% ▲	27 Apr 16
Turnings, unprocessed 90/6/4 (over 0.5% max 2% Sn)	0.31–0.37*	0%	27 Apr 16

† week-on-week change

continued >>

NON-FERROUS FOUNDRY INGOTS

	Price	Change†	Assessed
Aluminium UK £/tonne			
MB free market			
LM24 pressure diecasting ingot	1,250–1,320*	0%	27 Apr 16
LM6/LM25 gravity diecasting ingot	1,490–1,540*	0%	27 Apr 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	1,620–1,680*	0.61% ▲	29 Apr 16
Aluminum US \$/lb delivered Midwest			
A380.1 alloy	0.86–0.87*	–0.57% ▼	28 Apr 16
AFFIMET €/tonne			
AS12	3,055	–2.86% ▼	01 Apr 16
AS12 UN	2,850	0.18% ▲	01 Apr 16
AS9 U3	2,225	0.23% ▲	01 Apr 16
AS5 U3	2,575	0.19% ▲	01 Apr 16
Reflects generally larger traded lots			
VDM €/1000 kg delivered			
DIN 226	2,200–2,300	0.9% ▲	27 Apr 16
DIN 231	2,280–2,380	0.87% ▲	27 Apr 16
DIN 311	2,260–2,360	0.87% ▲	27 Apr 16
Aluminium bronze £/tonne UK			
AB1 ex-works	3,650	0%	26 Apr 16
AB2 ex-works	3,800	0%	26 Apr 16
Source: C. F. Booth Ltd			
Brass UK £/tonne			
SCB3 ex-works	3,000	0%	26 Apr 16
High tensile HTB1 ex-works	3,200	0%	26 Apr 16
Source: C. F. Booth Ltd			
Gunmetal UK £/tonne			
LG2 85/5/5 ex-works	3,500	0%	26 Apr 16
LG4 87/7/3/3 ex-works	4,150	0%	26 Apr 16
G11.15 PB ex-works	4,900	0%	26 Apr 16
Source: C. F. Booth Ltd			
Phosphor bronze UK £/tonne			
PB1 ex-works	5,150	0%	26 Apr 16
Source: C. F. Booth Ltd			
Phosphor copper £/tonne			
10% P ex-works	5,150	0%	26 Apr 16
15% P ex-works	5,250	0%	26 Apr 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	1,845	–0.75% ▼	01 Apr 16
Brock Metal ZL5	1,868	–0.74% ▼	01 Apr 16

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

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Monthly averages: March

BASE METALS

	Low	High
Aluminium		
Aluminium P1020A, in-warehouse Rotterdam duty unpaid, spot \$/tonne		
Rotterdam premium	73.91	85.22
Aluminium P1020A, in-warehouse Rotterdam duty paid, spot \$/tonne		
H/G Cash \$/tonne	121.67	143.33
Alumina		
Index fob Australia	244.41	
Copper		
US High-grade cathode premium indicator, \$/tonne	121.25	132.28
Nickel		
Free market in warehouse premium		
Europe \$/tonne	uncut cathodes	40.00 130.00
	4x4 cathodes	150.00 250.00
	briquettes	90.00 190.00
US	Melting \$/lb	0.15 0.20
	Plating \$/lb	0.50 0.60
Tin		
European free market		
Spot Premium 99.9% \$/tonne	362.50	500.00
Spot premium 99.85% \$/tonne	337.50	387.50
Kuala Lumpur (ex-smelter) \$/tonne	16,834.78	

MINOR METALS

Antimony		
MB free market		
Regulus 99.65%, max Se 50ppm,		
\$/tonne in warehouse	5,127.78	5,496.11
MMTA Standard grade II \$/tonne	5,138.89	5,493.33
Bismuth		
MB free market		
min. 99.99%, \$/lb, tonne lots in warehouse	4.28	4.64
Cadmium		
MB free market		
min 99.95%, cents/lb in warehouse	56.33	61.89
min 99.99%, cents/lb in warehouse	57.56	65.11
Cobalt		
MB free market		
High Grade, \$/lb in warehouse	10.41	11.25
Low Grade, \$/lb in warehouse	10.31	11.17
Germanium Dioxide		
MB free market min 99.99%, \$/kg	835.00	910.00
Rotterdam \$/kg	1,200.00	1,400.00
Indium		
MB free market		
Ingots min 99.97%, \$/kg in warehouse	240.56	280.00
Magnesium		
MB free market		
min 99.8%, \$/tonne	1,900.00	2,000.00
China free market min 99.8%	2,018.00	2,040.00

	Low	High
Mercury		
MB free market		
min 99.99%, \$/flask in warehouse	1,216.67	1,616.67
Selenium		
MB free market		
min 99.5% in warehouse \$/lb	4.72	6.41
Silicon		
MB free market €/tonne	1,810.00	1,940.00
Titanium		
Ferro-Titanium		
70% (max 4.5% Al), \$/kg d/d Europe	3.39	3.73

ORES & ALLOYS

	Low	High
Molybdenum		
Free market in warehouse		
Europe drummed molybdic oxide \$/lb Mo	5.31	5.42
US canned molybdic oxide \$/lb Mo	5.28	5.60
Ferro-molybdenum		
basis 65% min, in-warehouse Rotterdam, \$/kg Mo	13.47	13.86
Tungsten		
European free market APT \$/mtu	167.25	183.75
Ferro-tungsten		
basis 75% W min	22.87	23.36
Vanadium		
min 98%, in-warehouse Rotterdam, \$/lb V2O5	2.70	3.00
Ferro-vanadium		
basis 78% min, free delivery duty paid consumer plant, 1st grade Western Europe \$/kg V	14.49	14.91
US Free market 70–80%	7.01	7.40

PRECIOUS METALS

Gold		
London \$/troy oz	Morning	1,246.31
	Afternoon	1,246.34
London £/troy oz	Morning	876.15
	Afternoon	875.76
\$/troy oz	Handy/Harman	1,245.14
Palladium		
Morning \$/troy oz	563.81	
Afternoon \$/troy oz	567.38	
Platinum: per troy oz		
Morning \$/troy oz	967.62	
Afternoon \$/troy oz	968.43	
Rhodium		
European free market		
min 99.9% in warehouse, \$/troy oz	659.35	759.35
Silver		
London		
spot pence/troy oz	1,083.73	
spot cents/troy oz	1,542.05	
Handy/Harman cents/troy oz	1,546.45	

FOUNDRY INGOTS

	Low	High
Aluminium		
LM24	1,226.00	1,300.00
LM6/LM25	1,462.00	1,536.00
Aluminium Europe €/tonne	1,580.00	1,660.00
Phosphor Bronze		
PB1 ex-works £/tonne	5,260.00	
Zinc Alloy		
10 tonne lots ZL3 £/tonne	1,859.00	

EXCHANGE RATES (CLOSING RATES)

\$/£	1.42
\$/yen	112.90
\$/€	1.11

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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 Mar (21 days)
LME averages are mean of buyers and sellers except for settlement and 3 months sellers.

	March 2016 Low \$	High \$	March average \$
Aluminium (\$)			
Cash	1,452.50	1,621.25	1,530.21
3 months	1,451.25	1,588.25	1,536.83
Settlement	1,453.00	1,621.50	1,530.57
3 months seller	1,451.50	1,588.50	1,537.17
Copper Grade A (\$)			
Cash	4,310.25	5,102.50	4,947.04
3 months	4,320.25	5,070.25	4,930.29
Settlement	4,310.50	5,103.00	4,947.55
3 months seller	4,320.50	5,070.50	4,930.95
Copper Grade A (£)			
Settlement	3,005.51	3,576.58	3,477.20
3 months seller	3,012.06	3,562.95	3,464.54
Lead (\$)			
Cash	1,596.50	1,896.25	1,807.48
3 months	1,597.50	1,887.75	1,809.69
Settlement	1,597.00	1,896.50	1,808.02
3 months seller	1,598.00	1,888.00	1,810.33
Lead (£)			
Settlement	1,098.84	1,340.38	1,270.89
3 months seller	1,100.75	1,333.90	1,272.11
Nickel (\$)			
Cash	7,705.00	9,372.50	8,700.95
3 months	7,737.50	9,395.00	8,745.24
Settlement	7,710.00	9,375.00	8,704.05
3 months seller	7,750.00	9,400.00	8,750.95
Tin (\$)			
Cash	13,225.00	17,622.50	16,989.17
3 months	13,212.50	17,497.50	16,854.88
Settlement	13,235.00	17,625.00	16,995.95
3 months seller	13,225.00	17,500.00	16,870.24

	March 2016 Low \$	High \$	March average \$
Zinc (\$)			
Cash	1,453.25	1,859.75	1,804.32
3 months	1,466.50	1,865.50	1,808.87
Settlement	1,453.50	1,860.00	1,804.64
3 months seller	1,467.00	1,866.00	1,809.31
Cobalt (\$)			
Cash	21,702.50	23,750.00	23,118.45
3 months	21,800.00	23,750.00	23,141.67
Settlement	21,705.00	24,000.00	23,158.57
3 months seller	21,850.00	24,000.00	23,391.67
Molybdenum (\$)			
Cash	11,500.00	11,950.00	11,950.00
3 months	11,500.00	11,950.00	11,950.00
Settlement	11,750.00	12,200.00	12,200.00
3 months seller	11,750.00	12,200.00	12,200.00
Aluminium Alloy (\$)			
Cash	1,507.50	1,610.00	1,560.36
3 months	1,535.00	1,625.00	1,585.12
Settlement	1,510.00	1,615.00	1,565.24
3 months seller	1,540.00	1,630.00	1,590.00
Nasaa (\$)			
Cash	1,660.25	1,739.50	1,682.26
3 months	1,667.50	1,747.50	1,699.64
Settlement	1,660.50	1,740.00	1,684.62
3 months seller	1,670.00	1,750.00	1,703.57
Steel Billet (\$)			
Cash	75.00	195.00	86.43
3 months	90.00	210.00	101.43
Settlement	100.00	220.00	111.43
3 months seller	115.00	235.00	126.43

LME SETTLEMENT CONVERSION RATES

\$/£	1.42
\$/yen	112.97
\$/€	1.11