

Prices

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NEW YORK FUTURES			
	Price	Change [†]	Assessed
Comex: Copper high grade cents/lb			
Settlement	199.30	1.12% ▲	21 Jan 16
Open interest	201,346	1.62% ▲	20 Jan 16
Stocks (short ton)	65,850	-2.9% ▼	20 Jan 16
Comex: Gold \$/troy oz			
Settlement	1,099.10	2.35% ▲	21 Jan 16
Open interest	410,748	2.31% ▲	20 Jan 16
Stocks (troy oz)	6,402,184	-0.09% ▼	20 Jan 16
Nymex: Palladium \$/troy oz			
Settlement	499.00	1.58% ▲	21 Jan 16
Stocks (troy oz)	78,925	14.94% ▲	20 Jan 16
Nymex: Platinum \$/troy oz			
Settlement	818.10	-1.91% ▼	21 Jan 16
Stocks (troy oz)	190,995	2.17% ▲	20 Jan 16
Comex: Silver cents/troy oz			
Settlement	1,408.30	2.52% ▲	21 Jan 16
Open interest	162,351	-1.54% ▼	20 Jan 16
SHANGHAI FUTURES			
	Price	Change [†]	Assessed
Aluminium yuan/tonne	10,830	1.31% ▲	22 Jan 16
Copper yuan/tonne	35,180	1.32% ▲	22 Jan 16
Zinc yuan/tonne	12,745	2.37% ▲	22 Jan 16
Weekly stocks deliverable			
Aluminium (tonnes)	299,272	-0.75% ▼	22 Jan 16
Copper (tonnes)	194,312	4.34% ▲	22 Jan 16
Zinc (tonnes)	206,305	1.08% ▲	22 Jan 16
DAILY METAL AND STEEL			
<i>London forward LME settlement prices. All prices per tonne, unless otherwise stated, in LME warehouse, EU duty, if any paid for buyers account</i>			
	Price	Change [†]	Assessed
Aluminium high grade \$			
Cash official	1,497-1,497.5	2.04% ▲	22 Jan 16
Cash unofficial	1,473.5-1,475.5	-1.07% ▼	21 Jan 16
3 months official	1,496.5-1,497	2.01% ▲	22 Jan 16
3 months unofficial	1,470-1,472	-0.81% ▼	21 Jan 16
LME Tapo notional average price (NAP)	1,469	0.26% ▲	21 Jan 16
LME stocks (tonnes)	2,830,750	-0.37% ▼	21 Jan 16
Aluminium alloy (A380.1/DIN/D12S) \$			
LME cash official	1,540-1,550	-0.99% ▼	22 Jan 16
LME cash unofficial	1,537.5-1,547.5	-1.53% ▼	21 Jan 16
LME 3 months official	1,560-1,570	-1.11% ▼	22 Jan 16
LME 3 months unofficial	1,560-1,570	-1.26% ▼	21 Jan 16
LME stocks (tonnes)	15,320	0.79% ▲	21 Jan 16
N. American special aluminium alloy			
LME cash official	1,665-1,675	-3.19% ▼	22 Jan 16
LME cash unofficial	1,701.5-1,711.5	-0.99% ▼	21 Jan 16
LME 3 months official	1,680-1,690	-2.88% ▼	22 Jan 16
LME 3 months unofficial	1,710-1,720	-1.15% ▼	21 Jan 16
LME stocks (tonnes)	47,640	2.94% ▲	21 Jan 16

	Price	Change	Assessed
Copper grade A \$			
LME cash official	4,467-4,468	3.65% ▲	22 Jan 16
LME cash unofficial	4,401.5-4,411.5	0.01% ▲	21 Jan 16
LME 3 months official	4,456-4,456.5	3.15% ▲	22 Jan 16
LME 3 months unofficial	4,400-4,410	0.06% ▲	21 Jan 16
LME Tapo notional average price (NAP)	4,444.96	-0.97% ▼	21 Jan 16
LME stocks (tonnes)	237,350	1.36% ▲	21 Jan 16
Lead \$			
LME cash official	1,665-1,665.5	3.37% ▲	22 Jan 16
LME cash unofficial	1,624-1,626	-0.55% ▼	21 Jan 16
LME 3 months official	1,663-1,665	3.55% ▲	22 Jan 16
LME 3 months unofficial	1,626-1,628	-0.25% ▼	21 Jan 16
LME stocks (tonnes)	188,725	-0.58% ▼	21 Jan 16
Nickel \$			
LME cash official	8,720-8,725	4.12% ▲	22 Jan 16
LME cash unofficial	8,575-8,585	0.56% ▲	21 Jan 16
LME 3 months official	8,760-8,765	4.22% ▲	22 Jan 16
LME 3 months unofficial	8,605-8,615	0.55% ▲	21 Jan 16
LME stocks (tonnes)	450,174	3.67% ▲	21 Jan 16
Tin \$			
LME cash official	13,600-13,625	1.87% ▲	22 Jan 16
LME cash unofficial	13,470-13,520	1.43% ▲	21 Jan 16
LME 3 months official	13,550-13,560	1.18% ▲	22 Jan 16
LME 3 months unofficial	13,425-13,475	1.05% ▲	21 Jan 16
LME stocks (tonnes)	5,980	-2.69% ▼	21 Jan 16
Zinc special high grade \$			
LME cash official	1,526.5-1,527	3.9% ▲	22 Jan 16
LME cash unofficial	1,487-1,488	-1% ▼	21 Jan 16
LME 3 months official	1,527-1,528	3.31% ▲	22 Jan 16
LME 3 months unofficial	1,492.5-1,493.5	-1.13% ▼	21 Jan 16
LME stocks (tonnes)	480,850	7.81% ▲	21 Jan 16
Cobalt min 99.3%			
LME cash official	22,500-22,900	-4.4% ▼	22 Jan 16
LME 3 months official	22,500-22,900	-4.42% ▼	22 Jan 16
LME stocks (tonnes)	619	-9.1% ▼	21 Jan 16
Molybdenum \$			
LME cash official	11,500-12,000	0.86% ▲	22 Jan 16
LME 3 months official	11,500-12,000	0.86% ▲	22 Jan 16
LME stocks (tonnes)	120	0%	21 Jan 16
Steel billet			
LME cash official	170-220	0%	22 Jan 16
LME cash unofficial	172-222	0%	21 Jan 16
LME 3 months official	185-235	0%	22 Jan 16
LME 3 months unofficial	185-235	0%	21 Jan 16
LME stocks (tonnes)	65	0%	21 Jan 16

† week-on-week change

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Gold \$/troy oz	Price	Change	Assessed
London morning	1,097.65	1.53% ▲	22 Jan 16
London afternoon	1,096.5	0.74% ▲	21 Jan 16
Handy/Harman	1,096.5	0.74% ▲	21 Jan 16
Silver per troy oz			
London spot pence	991.26	3.12% ▲	22 Jan 16
London spot cents	1,417	2.68% ▲	22 Jan 16
Handy/Harman	1,398	1.16% ▲	21 Jan 16
Palladium \$/troy oz			
London morning	493	2.07% ▲	21 Jan 16
London afternoon	497	2.47% ▲	21 Jan 16
Platinum \$/troy oz			
London morning	817	-3.43% ▼	21 Jan 16
London afternoon	814	-2.51% ▼	21 Jan 16
Kuala Lumpur tin market			
Tin \$/tonne	13,620	2.41% ▲	22 Jan 16

RAND FIXING PRICES

Rand fixing prices per tonne for London Metal Exchange trade

	Price	Change*	Assessed
Copper	73,956.57	3.75% ▲	22 Jan 16
Aluminium	24,787.37	2.14% ▲	22 Jan 16
Lead	27,568.19	3.41% ▲	22 Jan 16
Zinc	25,275.67	3.97% ▲	22 Jan 16
Nickel	144,420.56	4.21% ▲	22 Jan 16
Tin	225,527.81	1.96% ▲	22 Jan 16

EXCHANGE RATES

LME settlement conversion rates	Price	Change*	Assessed
\$/£	1.4324	-0.13% ▼	22 Jan 16
\$/¥	118.2400	0.78% ▲	22 Jan 16
\$/€	1.0819	-0.83% ▼	22 Jan 16
Closing rates, midpoint			
\$/£	1.4136	-1.79% ▼	21 Jan 16
\$/¥	117.3050	-0.66% ▼	21 Jan 16
\$/€	1.0823	-0.16% ▼	21 Jan 16
£/€	1.3061	-1.64% ▼	21 Jan 16
\$/CNY	6.5793	-0.14% ▼	21 Jan 16

MB BASE METAL PREMIUMS

All prices \$/tonne unless otherwise stated

*MB Copyright

	Price	Change*	Assessed
Copper			
Rotterdam, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne	40.0-60.0*	0%	20 Jan 16
Rotterdam, copper average premium, Grade A, cathode, in-warehouse \$/tonne	44.50*	2.7% ▲	20 Jan 16
Leghorn, copper low-high premium, Grade A, cathode, cif, \$/tonne	60.0-80.0*	0%	18 Jan 16
Leghorn, copper average premium, Grade A, cathode, cif, \$/tonne	68.33*	0%	18 Jan 16
South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne	70.0-90.0*	0%	21 Jan 16
South Korea, copper average premium, Grade A, cathode, cif, \$/tonne	80.56*	0.7% ▲	21 Jan 16
Singapore, copper low-high premium, Grade A, cathode, in warehouse, \$/tonne	10.0-30.0*	0%	21 Jan 16
Singapore, copper average premium, Grade A, cathode, in warehouse, \$/tonne	19.17*	-8.71% ▼	21 Jan 16
Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne	90.0-105.0*	5.41% ▲	22 Jan 16
Shanghai, copper average premium, Grade A, cathode, in-warehouse \$/tonne	99.38*	10.42% ▲	22 Jan 16

	Price	Change	Assessed
Shanghai, copper low-high premium, Grade A, cathode, cif \$/tonne	85.0-100.0*	5.71% ▲	22 Jan 16
Shanghai, copper average premium, Grade A, cathode, cif \$/tonne	93.75*	7.14% ▲	22 Jan 16
Johor, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne	10.0-25.0*	0%	21 Jan 16
Johor, copper average premium, Grade A, cathode, in-warehouse \$/tonne	15.71*	-14.29% ▼	21 Jan 16
MB free market US: High-grade cathode premium indicator, \$/tonne	110.2-121.3*	-8.7% ▼	14 Jan 16
Aluminium			
Aluminium P1020A, in-warehouse Rotterdam duty unpaid, spot low-high, \$/tonne	95.0-110.0*	0%	22 Jan 16
Aluminium P1020A, in-warehouse Rotterdam duty unpaid, spot weighted average, \$/tonne	100.00*	0%	22 Jan 16
Aluminium P1020A, cif Korea (Gwangyang or Busan), spot low-high, \$/tonne	100.00-120.00*	0%	19 Jan 16
Aluminium P1020A, cif Korea (Gwangyang or Busan), spot weighted average, \$/tonne	108.75*	-2.9% ▼	19 Jan 16
Aluminium P1020A, in-warehouse Singapore, spot low-high, \$/tonne	75.0-100.0*	-7.89% ▼	19 Jan 16
Aluminium P1020A, in-warehouse Singapore, spot weighted average, \$/tonne	85.00*	-11.46% ▼	19 Jan 16
Aluminium P1020A, in-warehouse Johor, spot low-high, \$/tonne	75.0-100.0*	-7.89% ▼	19 Jan 16
Aluminium P1020A, in-warehouse Johor, spot weighted average, \$/tonne	82.50*	-13.8% ▼	19 Jan 16
Aluminium P1020A, cif Shanghai, spot low-high, \$/tonne	90.0-95.0*	0%	19 Jan 16
Aluminium P1020A, cif Shanghai, spot weighted average, \$/tonne	92.50*	0%	19 Jan 16
Aluminium P1020A, cif main Japanese ports, spot low-high, \$/tonne	110.0-120.0*	4.55% ▲	19 Jan 16
Aluminium P1020A, cif main Japanese ports, spot weighted average, \$/tonne	115.00*	4.55% ▲	19 Jan 16
Aluminium P1020A, in-warehouse Rotterdam duty-paid, spot \$/tonne	150.0-170.0*	0%	22 Jan 16
Aluminium P1020A, in-warehouse Rotterdam duty-paid, for delivery three months forward, \$/tonne	150.0-170.0*	0%	22 Jan 16
Aluminium P1020A, cif main Japanese ports, quarterly, \$/tonne	110.0*	22.22% ▲	12 Jan 16
Aluminium 6063 extrusion billet, in-warehouse Rotterdam duty-paid, spot \$/tonne	310.0-330.0*	0%	22 Jan 16
Aluminium P1020A, delivered US midwest, spot, \$/lb	0.090-0.093*	1.39% ▲	20 Jan 16
Aluminium P1020A, delivered Sao Paulo region, spot, \$/tonne	250.0-360.0*	0%	21 Jan 16
Aluminium P1020A, cif Brazilian main ports duty-unpaid, spot, \$/tonne	160.0-200.0*	-2.7% ▼	14 Jan 16
Lead			
Rotterdam, lead low-high premium, 99.97% purity, in warehouse, \$/tonne	15.0-25.0*	0%	19 Jan 16
Rotterdam, lead average premium, 99.97% purity, in warehouse, \$/tonne	20.00*	0%	19 Jan 16
Johor, lead low-high premium, 99.97% purity, in warehouse, \$/tonne	20.0-25.0*	0%	21 Jan 16
Johor, lead average premium, 99.97% purity, in warehouse, \$/tonne	21.67*	0%	21 Jan 16
MB Battery grade free market premium in warehouse \$/tonne	85.0-135.0*	0%	19 Jan 16
US, lead premium, 99.97% purity, delivered domestic, \$/lb	0.10-0.14*	0%	11 Jan 16

† week-on-week change

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	Price	Change	Assessed
Nickel			
Shanghai, nickel low-high premium, 99.8% purity in warehouse \$/tonne	150.0–180.0*	1.54% ▲	21 Jan 16
Shanghai, nickel average premium, 99.8% purity in warehouse \$/tonne	161.25*	0.34% ▲	21 Jan 16
Malaysia nickel briquettes premium 99.8% purity in warehouse \$/tonne	10.00–15.00*	25% ▲	19 Jan 16
Singapore nickel briquettes premium 99.8% purity in warehouse \$/tonne	10.00–15.00*	25% ▲	19 Jan 16
Malaysia nickel full plate premium 99.8% purity in warehouse \$/tonne	40.00–50.00*	–10% ▼	19 Jan 16
Singapore nickel full plate premium 99.8% purity in warehouse \$/tonne	40.00–50.00*	–10% ▼	19 Jan 16
Europe: \$/tonne in warehouse Rotterdam			
uncut cathodes premium indicator	25.0–120.0*	0%	19 Jan 16
4x4 cathodes premium indicator	180.0–240.0*	20% ▲	19 Jan 16
briquettes premium indicator	30.0–130.0*	0%	19 Jan 16
US: melting premium indicator \$/lb	0.150–0.200*	0%	13 Jan 16
Tin			
MB European free market			
Spot premium 99.9% \$/tonne	350–500*	6.25% ▲	22 Jan 16
Spot premium 99.85% \$/tonne	300–375*	0%	22 Jan 16
Zinc			
Rotterdam, zinc low-high premium, 99.995% purity, in warehouse, \$/tonne	75.0–100.0*	0%	20 Jan 16
Rotterdam, zinc average premium, 99.995% purity, in warehouse, \$/tonne	90.00*	0%	20 Jan 16
South Korea, zinc low-high premium, 99.995% purity, in warehouse, \$/tonne	120.0–130.0*	4.17% ▲	21 Jan 16
South Korea, zinc average premium, 99.995% purity, in warehouse, \$/tonne	125.00*	5.04% ▲	21 Jan 16
Johor, zinc low-high premium, 99.995% purity, in warehouse, \$/tonne	70.0–115.0*	–7.5% ▼	21 Jan 16
Johor, zinc average premium, 99.995% purity, in warehouse, \$/tonne	88.89*	–3.03% ▼	21 Jan 16
Singapore, zinc low-high premium, 99.995% purity, in warehouse, \$/tonne	70.0–115.0*	–7.5% ▼	21 Jan 16
Singapore, zinc average premium, 99.995% purity, in warehouse, \$/tonne	88.89*	–6.43% ▼	21 Jan 16
Shanghai, zinc low-high premium, 99.995% purity, in warehouse, \$/tonne	125.0–140.0*	3.92% ▲	21 Jan 16
Shanghai, zinc average premium, 99.995% purity, in warehouse, \$/tonne	132.86*	4.61% ▲	21 Jan 16
MB US: Special high grade, \$/lb	0.068–0.073*	0%	21 Jan 16
MB EU: Special high grade, fca Rotterdam, \$/tonne	125.0–145.0*	0%	20 Jan 16

BASE METALS

	Price	Change [†]	Assessed
Alumina			
MB Chinese free market, metallurgical grade, delivered, duty paid RMB/tonne	1,600.0–1,700.0*	1.54% ▲	22 Jan 16
Alumina Index fob Australia	199.52*	0.74% ▲	22 Jan 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):	4,069.9–4,099.2	–1.56% ▼	20 Jan 16
cathodes:	4,050.0–4,130.0	–1.68% ▼	20 Jan 16
South Africa: Palabora copper rod 7.90mm, Rand/tonne	79,222.700	2.12% ▲	04 Jan 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	695.00–715.00*	0%	19 Jan 16
Nickel pig iron high grade NPI content 10–15% spot price China RMB per nickel unit price	690.00–710.00*	0%	19 Jan 16
Lead			
Germany: (VDM) virgin soft, €/tonne	1,680.00–1,700.00–1.17%	▼	20 Jan 16
European automotive battery premium free market (Eurobat)			
in warehouse Rotterdam €/tonne			
Soft lead (average)	157.14*	0.06% ▲	04 Dec 15
Ca/Ca grid grid lead (average)	393.37*	–5.15% ▼	04 Dec 15
Connector lead (average)	514.09*	–12.18% ▼	04 Dec 15
European industrial battery premium free market (Eurobat)			
in warehouse Rotterdam €/tonne			
Stand-by refined or soft lead (average)	231.91*	–5.9% ▼	04 Dec 15
Traction refined or soft lead (average)	244.28	1.57% ▲	04 Dec 15
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	1,186*	0.76% ▲	04 Jan 16

PRECIOUS METALS

	Price	Change [†]	Assessed
Iridium			
MB free market: min 99.9%, \$/troy oz in warehouse	470–570*	0%	22 Jan 16
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	520	0%	22 Jan 16
Engelhard base price: \$/troy oz	525	0%	22 Jan 16
Palladium			
European free market: min 99.9%, \$/troy oz in warehouse	496–505*	2.04% ▲	22 Jan 16
Engelhard base price: \$/troy oz	505	2.23% ▲	22 Jan 16
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	505	1.81% ▲	22 Jan 16
Platinum			
European free market: min 99.9%, \$/troy oz in warehouse	814–828*	–1.79% ▼	22 Jan 16
Engelhard base price: \$/troy oz	823	–1.79% ▼	22 Jan 16
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	828	–1.31% ▼	22 Jan 16
Rhodium			
European free market: min 99.9%, \$/troy oz in warehouse	600–700*	–1.52% ▼	22 Jan 16
Engelhard base price: \$/troy oz	660	1.54% ▲	22 Jan 16
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	650	0%	22 Jan 16
Ruthenium			
European free market: min 99.9%, \$/troy oz in warehouse	37–47*	0%	22 Jan 16
Engelhard base price: \$/troy oz	42	0%	22 Jan 16
Johnson Matthey base price: (unfab) \$/troy oz (08.00 hrs)	42	0%	22 Jan 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	5,300–5,550*	1.4% ▲	22 Jan 16
MMTA Standard Grade II, \$/tonne in warehouse Rotterdam	5,300–5,500*	0.93% ▲	22 Jan 16
MB Chinese free market			
MMTA Standard Grade II, delivered duty paid RMB/tonne	33,000–34,000*	–1.47% ▼	22 Jan 16
Arsenic			
MB free market \$/lb	0.85–1.00*	0%	22 Jan 16
Bismuth			
MB free market \$/lb	4.15–4.65*	0%	22 Jan 16
MB China domestic, min 99.99%, RMB/tonne	60,000–62,000*	0%	22 Jan 16
Cadmium			
MB free market min 99.95% cents/lb	44.00–50.00*	0%	22 Jan 16
MB free market min 99.99% cents/lb	49.00–55.00*	0%	22 Jan 16
Chromium			
MB free market alumino-thermic min 99% \$/tonne	7,700–8,200*	0%	22 Jan 16
Cobalt			
MB free market high-grade \$/lb	10.50–11.45*	1.15% ▲	22 Jan 16
MB free market low-grade \$/lb	10.20–11.20*	–0.7% ▼	22 Jan 16
MB high-grade, weighted average of all confirmed international trades, \$/lb	10.72*	4.48% ▲	22 Jan 16
MB low-grade, weighted average of all confirmed international trades, \$/lb	10.56*	1.83% ▲	22 Jan 16
Cobalt free market cut cathodes/rounds MB/LME premium discount (including Falconbridge, Vale Inco, Sumitomo Metal Mining, Jiangsu (KLK) Jinchuan) In warehouse Rotterdam \$ per lb	–1.39*	0%	25 Dec 15
Cobalt free market cut cathodes/rounds MB/LME premium discount (including Falconbridge, Vale Inco, Sumitomo Metal Mining, Jiangsu (KLK) Jinchuan) In warehouse Rotterdam \$/tonne	–3,061.60*	0%	25 Dec 15
Cobalt free market ingots MB/LME premium discount (including KIA and KIAY) In warehouse Rotterdam \$ per lb	–0.66*	0%	25 Dec 15
Cobalt free market ingots MB/LME premium discount (including KIA and KIAY) in warehouse Rotterdam \$/tonne	–1,464.80*	0%	25 Dec 15
Cobalt free market broken cathodes/briquettes MB/LME premium discount (including Chambishi, Tocantins, CTT, Ambatovy, ICC, Murrin Murrin) \$ per lb	–0.89*	0%	25 Dec 15
Cobalt free market broken cathodes/briquettes MB/LME premium discount (including Chambishi, Tocantins, CTT, Ambatovy, ICC, Murrin Murrin) \$/tonne	–1,955.00*	0%	25 Dec 15
MB China domestic, min 99.8% RMB/tonne	198,000–203,000*	0%	22 Jan 16
Cobalt tetroxide min 72.6% Co delivered China RMB/tonne	133,000–140,000*	0%	22 Jan 16
Gallium			
MB free market \$/kg	110–150*	–3.7% ▼	22 Jan 16
MB China domestic, min 99.99%, RMB/kg	740–800*	0%	22 Jan 16

	Price	Change	Assessed
Germanium			
Germanium dioxide MB free market \$/kg	900–975*	0%	22 Jan 16
Germanium metal \$/kg Rotterdam	1,200–1,400*	–7.14% ▼	22 Jan 16
Germanium metal MB China domestic, min 99.999%, RMB/kg	7,500–8,000*	0%	22 Jan 16
Indium			
MB free market \$/kg	230–280*	0%	22 Jan 16
MB China domestic, min 99.99% RMB/kg	1,400–1,510*	0%	22 Jan 16
Indium Corp ingots min 99.97% \$/kg fob	440.00	–40.94% ▼	26 Jun 15
Magnesium			
European free market \$/tonne	1,900–2,000*	0%	22 Jan 16
China free market min 99.8% Mg, fob China main ports, \$/tonne	1,900–1,950*	1.32% ▲	20 Jan 16
MB Chinese free market min 99% Mg, ex-works RMB/tonne	11,800–12,500*	0.41% ▲	20 Jan 16
Manganese flake			
MB free market \$/tonne	1,840–1,930*	12.54% ▲	22 Jan 16
Mercury			
MB free market \$ per flask	1,250–1,650*	0%	22 Jan 16
Rhenium in warehouse Rotterdam duty paid			
Metal pellets, min 99.9% \$/lb	850–950*	–5.26% ▼	22 Jan 16
APR catalytic grade \$/kg Re	2,650–2,800*	0%	22 Jan 16
Selenium			
MB free market \$/lb	6.00–8.00*	0%	22 Jan 16
MB China domestic, min 99.9%, RMB/kg	110–135*	4.26% ▲	22 Jan 16
Selenium dioxide, MB China domestic, min 98%, RMB/kg	70–80*	15.38% ▲	22 Jan 16
Silicon			
MB free market €/tonne	1,930–2,030*	0%	22 Jan 16
US free market cents/lb	107–112*	0%	11 Jan 16
Export from mainland China min 98.5%, \$/tonne fob	1,500–1,520*	0%	20 Jan 16
Tellurium			
MB free market \$/kg	20.00–35.00*	0%	22 Jan 16
MB China domestic, min 99.99%, RMB/kg	230–270*	11.11% ▲	22 Jan 16
Titanium			
MB free market ferro-titanium 70% (max 4.5% Al) \$/kg Ti d/d Europe	3.65–3.85*	–3.23% ▼	22 Jan 16
Titanium ores \$/tonne			
Rutile conc min 95% TiO2 bagged, fob/Aus	800–840	0%	22 Jan 16
Rutile bulk conc min 95% TiO2 fob/Aus	790–890	0%	22 Jan 16
Ilmenite bulk conc min 54% TiO2 fob/Aus	100–120	0%	22 Jan 16

[†] week-on-week change

continued >>

NOBLE ALLOYS & ORES			
	Price	Change [†]	Assessed
Lithium ores			
Petalite 4.2% Li ₂ O bagged fob Durban \$/tonne	170–265	0%	22 Jan 16
Spodumene 7.25% Li ₂ O cif Europe \$/tonne	740–790	0%	22 Jan 16
Molybdenum molybdic oxide			
Europe drummed molybdic oxide \$/lb Mo	5.30–5.40*	–3.17% ▼	22 Jan 16
US canned molybdic oxide \$/lb Mo	5.30–5.60*	1.87% ▲	21 Jan 16
Ferro-molybdenum			
basis 65% min, in-warehouse Rotterdam \$/kg Mo	13.65–14.00*	–1.95% ▼	22 Jan 16
US free market 65–70% Mo \$/lb in warehouse Pittsburgh	6.40–6.80*	5.6% ▲	21 Jan 16
MB Chinese free market concentrate 45% Mo in warehouse China RMB/mtu	810–840*	4.43% ▲	22 Jan 16
Tungsten			
European free market APT \$/mtu	160–175*	–1.47% ▼	22 Jan 16
Export from mainland China APT Chinese No1 grade, min 88.5% WO ₃ , S/mtu fob	172–180*	–1.4% ▼	22 Jan 16
MB Chinese free market concentrate 65% WO ₃ in warehouse China RMB/tonne	62,000–65,000*	0%	22 Jan 16
Ferro-tungsten			
Basis 75% W min \$/kg W in warehouse Rotterdam duty unpaid	22.60–23.00*	–3.59% ▼	22 Jan 16
Vanadium			
Ferro-vanadium basis 78% min, free delivery duty paid consumer plant, 1st grade, Western Europe \$/kg V	14.70–15.10*	1.71% ▲	22 Jan 16
US free market ferro-vanadium \$/lb in warehouse Pittsburgh	6.00–6.30*	4.24% ▲	21 Jan 16
Vanadium pentoxide min 98%, in-warehouse Rotterdam \$ per lb V2O5	3.00–3.20*	14.81% ▲	22 Jan 16
Zircon			
Foundry grade bulk \$/tonne fob Australia	1,000–1,050	0%	22 Jan 16
Premium bulk \$/tonne fob Australia	1,050–1,150	0%	22 Jan 16
BULK ALLOYS			
	Price	Change [†]	Assessed
Ferro-chrome \$/lb Cr			
China import charge chrome 50% Cr index, cif Shanghai, duty unpaid	0.56*	–3.45% ▼	22 Jan 16
Lumpy Cr charge basis 52% Cr (and high carbon) quarterly	0.92*	–11.54% ▼	09 Dec 15
6–8% C basis 60% Cr max 1.5% Si	0.77–0.85*	3.85% ▲	22 Jan 16
0.10% C average 60–70% Cr	1.95–2.02*	0.76% ▲	22 Jan 16
European low carbon in warehouse 0.06% C max – 65% Cr	1.98–2.02*	0%	22 Jan 16
Low phosphorous Cr min 65% C max 7% Si max 1% p max 0.015% Ti max 0.05%	0.90–0.95*	0%	22 Jan 16
US free market in warehouse Pittsburgh 6–8% C basis 60–65% Cr max 2% Si	0.980–1.020*	0%	21 Jan 16
US free market low carbon duty paid fob Pittsburgh			
0.05% C – 65% min Cr	2.23–2.25*	0.67% ▲	21 Jan 16
0.10% C – 62% min Cr	1.97–2.02*	–1.97% ▼	21 Jan 16
0.15% C – 60% min Cr	1.95–2.00*	0%	21 Jan 16
Spot 6–8% C basis 50% Cr delivered duty paid China RMB/tonne	4,780–5,200*	0%	22 Jan 16
Contract 6–8% C basis 50% Cr delivered duty paid China RMB/tonne	4,780–5,200*	0%	22 Jan 16

	Price	Change	Assessed
Chrome ore \$/tonne			
<i>Chrome ore cif main Chinese ports</i>			
South African UG2 chrome ore concs, basis 42%	80–85*	–13.16% ▼	22 Jan 16
Turkish lumpy 40–42% cfr main Chinese ports	155–170*	0%	22 Jan 16
Ferro-manganese			
basis 78% Mn (scale pro rata) standard 7.5% C €/tonne	600–640*	0.81% ▲	22 Jan 16
US free market 78% Mn standard 7.5% C \$/long ton in warehouse Pittsburgh	760–800*	0.65% ▲	21 Jan 16
US free market medium carbon duty paid fob Pittsburgh, 80% min Mn 1.5% max C \$/lb	0.85–0.87*	0%	21 Jan 16
MB Chinese free market min 65% Mn max 7.0% C in warehouse China RMB/tonne	3,500–3,800*	0%	22 Jan 16
Manganese ore			
44% Mn, cif Tianjin \$/dmtu of metal contained	1.81*	–1.09% ▼	22 Jan 16
37% Mn, fob Port Elizabeth \$/dmtu of metal contained	1.51*	–5.62% ▼	22 Jan 16
Ferro-silicon			
Lumpy basis 75% Si (scale pro rata) €/tonne	870–930*	0%	22 Jan 16
US free market \$/lb in warehouse Pittsburgh lumpy basis 75% Si – imported	0.68–0.71*	0.72% ▲	21 Jan 16
Export from mainland China, min 75% Si, 7.5% C, \$/tonne, fob	1,070–1,110*	0%	22 Jan 16
MB Chinese free market min 75% in warehouse China RMB/tonne	4,150–4,375*	–0.29% ▼	22 Jan 16
Silico-manganese			
Lumpy basis 65–75% Mn basis 15–19% Si (scale pro rata) €/tonne	590–635*	2.08% ▲	22 Jan 16
US free market \$/lb in warehouse Pittsburgh	0.34–0.35*	0%	21 Jan 16
MB Chinese free market min 65% Mn max 17% Si in warehouse China RMB/tonne	4,000–4,500*	6.92% ▲	22 Jan 16
65% min Mn 16% min Si \$/tonne fob India	600–630*	0.41% ▲	19 Jan 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	330–355*	0%	20 Jan 16
Wire rod (mesh quality)	310–320*	0%	20 Jan 16
Plate (8–40mm)	285–295*	0%	20 Jan 16
Hot rolled coil	290–300*	4.42% ▲	20 Jan 16
Cold rolled coil	370–385*	–1.95% ▼	20 Jan 16
Hot-dip galvanized coil	370–380*	0%	20 Jan 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	330–355*	0%	20 Jan 16
Wire rod (mesh quality)	310–320*	0%	20 Jan 16
Plate (8–40mm)	280–285*	–0.88% ▼	20 Jan 16
Hot rolled coil	270–305*	1.77% ▲	20 Jan 16
Cold rolled coil	370–385*	2.03% ▲	20 Jan 16
Hot-dip galvanized coil	390–400*	0%	20 Jan 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	325–335*	0%	20 Jan 16
Wire rod (mesh quality)	335–345*	0%	20 Jan 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	360–370*	-1.35%	▼	20 Jan 16
Wire rod (mesh quality)	330–340*	0%		20 Jan 16
Sections (medium)	460–490*	0%		20 Jan 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	330–340*	-2.9%	▼	20 Jan 16
Wire rod (mesh quality)	340–350*	0%		20 Jan 16
Sections (medium)	460–470*	0%		20 Jan 16

Northern Europe € per tonne ex-works

Plate (8–40mm)	365–370*	1.38%	▲	20 Jan 16
Hot rolled coil	300–330*	0%		20 Jan 16
Cold rolled coil	410–440*	1.19%	▲	20 Jan 16
Hot-dip galvanized coil	400–430*	-1.19%	▼	20 Jan 16

Southern Europe € per tonne ex-works

Plate (8–40mm)	320–340*	1.54%	▲	20 Jan 16
Hot rolled coil	280–300*	0%		20 Jan 16
Cold rolled coil	370–385*	3.42%	▲	20 Jan 16
Hot-dip galvanized coil	350–390*	4.23%	▲	20 Jan 16

CIS

Price Change[†] Assessed

CIS exports (Black Sea)

Metal Bulletin's appraisal of CIS mills' prices for export outside the CIS of commercial-quality carbon steel, \$/tonne fob stowed main Black Sea port

Billet	250–255*	0%		18 Jan 16
Slab	210–215*	0%		18 Jan 16
Rebar	280–290*	-0.87%	▼	18 Jan 16
Wire rod (mesh)	280–290*	-1.72%	▼	18 Jan 16
Heavy plate (10–50mm)	290–340*	0%		18 Jan 16
Hot rolled coil	255–260*	0.98%	▲	18 Jan 16
Cold rolled coil	305–310*	-3.15%	▼	18 Jan 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	20,500–20,550*	0%		18 Jan 16
Hot rolled sheet	24,600–24,650*	0%		18 Jan 16
Cold rolled sheet	32,500–32,550*	0%		18 Jan 16

MIDDLE EAST

Price Change[†] Assessed

Turkish exports

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

Billet	310–320*	0%		21 Jan 16
Rebar	319–328*	-3.43%	▼	21 Jan 16
Wire rod (mesh quality)	345–350*	-1.42%	▼	21 Jan 16
Merchant bars	360–380*	0%		21 Jan 16

Turkish domestic

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

Billet	275–280*	-5.45%	▼	21 Jan 16
Rebar	325–335*	-1.49%	▼	21 Jan 16
Wire rod (mesh quality)	350–360*	-2.74%	▼	21 Jan 16
Hot rolled coil	295–310*	-6.92%	▼	22 Jan 16
Cold rolled coil	400–410*	-2.41%	▼	22 Jan 16

Turkish imports

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

Billet	265–270*	0%		21 Jan 16
Hot rolled coil	270–280*	0%		22 Jan 16
Cold rolled coil	320–330*	0%		22 Jan 16

UAE imports

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

Billet	250–270*	1.96%	▲	19 Jan 16
Rebar	330–333*	-0.3%	▼	19 Jan 16
Hot rolled coil	310–320*	-3.82%	▼	19 Jan 16
Cold rolled coil	380–390*	0%		19 Jan 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)	12.10–12.60*	-1.2%	▼	20 Jan 16
Plate	16.00–17.60*	0.3%	▲	20 Jan 16
Hot rolled coil	15.00–16.30*	-0.63%	▼	20 Jan 16
Cold rolled coil	17.40–19.80*	-0.8%	▼	20 Jan 16
Hot-dip galvanized coil	21.80–22.40*	0.23%	▲	20 Jan 16

Iran imports

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

Billet	270–280*	0%		20 Jan 16
Rebar	300–310*	-3.17%	▼	20 Jan 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	4,150–4,400*	0%		21 Jan 16
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LATIN AMERICA

Price Change[†] Assessed

Latin American exports

Metal Bulletin's appraisal of Latin American mills prices for export outside Latin America of commercial-quality carbon steel, \$/tonne fob stowed main Latin American port

Billet	250–260*	0.99%	▲	22 Jan 16
Slab	210–220*	0%		22 Jan 16
Rebar	265–290*	1.83%	▲	22 Jan 16
Wire rod mesh quality	265–290*	1.83%	▲	22 Jan 16
Heavy plate over 10mm	400–425*	0%		22 Jan 16
Hot rolled coil (dry)	250–270*	-1.89%	▼	22 Jan 16
Cold rolled coil	340–350*	0.73%	▲	22 Jan 16
Galvanized coil	470–520*	0%		22 Jan 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	304–308*	–0.81% ▼	20 Jan 16
Merchant bars	500–540*	–6.31% ▼	28 Dec 15
Wire rod (low carbon)	331–349*	0%	13 Jan 16
Medium sections	500–520*	0%	31 Dec 15
Medium plate	390–430*	0%	13 Jan 16
Hot rolled coil (commodity)	330–370*	6.06% ▲	13 Jan 16
Cold rolled coil	400–440*	–2.33% ▼	13 Jan 16
Hot dipped galvanized 0.012–0.015, G30	600–640*	0%	13 Jan 16
Hot dipped galvanized 0.019, G60	580–600*	–0.84% ▼	13 Jan 16
US domestic			
<i>AMM's appraisal of prices within the USA for commercial-quality carbon steel of US or Canadian origin, \$ per short ton, delivery terms as indicated</i>			
Rebar (fob mill)	480–500*	0%	20 Jan 16
Wire rod (mesh quality fob mill)	430–460*	7.23% ▲	13 Jan 16
Plate (fob mill)	480*	2.13% ▲	15 Jan 16
Hot rolled sheet (fob mill)	400*	2.56% ▲	21 Jan 16
Cold rolled sheet (fob mill)	530*	1.92% ▲	21 Jan 16
Hot-dip galvanized (base) (fob mill)	530*	1.92% ▲	21 Jan 16

ASIA			
	Price	Change [†]	Assessed
China exports			
<i>Metal Bulletin's appraisal of Chinese mills prices for export of commercial-quality carbon steel, \$/tonne fob main China port</i>			
Rebar	260–265*	0.96% ▲	22 Jan 16
Wire rod (mesh quality)	265–270*	–0.93% ▼	22 Jan 16
Heavy plate	265–270*	0%	22 Jan 16
Hot rolled coil	270–275*	0%	22 Jan 16
Cold rolled coil	350–355*	8.46% ▲	22 Jan 16
Galvanized coil 1mm	385–390*	1.31% ▲	22 Jan 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	1,830–1,860*	–1.07% ▼	22 Jan 16
Wire rod (mesh)	1,870–2,030*	0.52% ▲	22 Jan 16
Sections	1,900–1,930*	1.06% ▲	22 Jan 16
Plate	1,970–1,990*	0.76% ▲	22 Jan 16
Hot rolled coil (min 2mm)	2,000–2,040*	1.76% ▲	22 Jan 16
Cold rolled coil (0.5 – 2 mm)	2,720–2,800*	–1.43% ▼	22 Jan 16
Hot-dip galvanized coil	2,800–2,900*	1.79% ▲	22 Jan 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	2,070–2,130*	–0.47% ▼	22 Jan 16
Wire rod (mesh)	1,970–2,080*	0%	22 Jan 16
Sections	2,150–2,190*	–0.23% ▼	22 Jan 16
Plate	2,120–2,170*	0.94% ▲	22 Jan 16
Hot rolled coil (min 2mm)	2,050–2,100*	2.47% ▲	22 Jan 16
Cold rolled coil (0.5 – 2 mm)	2,600–2,700*	0%	22 Jan 16
Hot-dip galvanized coil	2,850–2,950*	0.87% ▲	22 Jan 16

Indian exports			
<i>Metal Bulletin's appraisal of Indian mills' prices for export of commercial-quality carbon steel, \$/tonne fob main India port</i>			
Billet	250–255*	0%	22 Jan 16
Plate (12–40mm)	280–285*	–5.04% ▼	22 Jan 16
Hot rolled coil (commodity)	300–310*	0%	22 Jan 16
Hot-dip galvanized coil	475–480*	0%	22 Jan 16

Indian imports

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

Plate (20–60mm)	290–295*	0%	22 Jan 16
Hot rolled coil (commodity)	295–300*	0.85% ▲	22 Jan 16
Hot rolled coil (CR grade)	295–300*	0.85% ▲	22 Jan 16
Cold rolled	350–355*	2.92% ▲	22 Jan 16

Indian domestic

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

Billet	21,800–21,900*	–0.91% ▼	22 Jan 16
Heavy plate	23,000–23,500*	–2.11% ▼	22 Jan 16
Hot rolled coil	25,000–25,500*	0%	22 Jan 16
Cold rolled coil	28,000–28,500*	0%	22 Jan 16
DRI	13,500–13,600*	–3.56% ▼	22 Jan 16
Hot-dip galvanized coil	37,000–38,000*	0%	22 Jan 16

STEELBENCHMARKER™ PRICES

	Price	Change [†]	Assessed
Region: USA east of the Mississippi			
Standard plate (\$/metric tonne)	513	0%	11 Jan 16
Standard plate (\$/short ton)	465	0%	11 Jan 16
Hot rolled coil (\$/metric tonne)	425	0.71% ▲	11 Jan 16
Hot rolled coil (\$/short ton)	386	1.05% ▲	11 Jan 16
Cold rolled coil (\$/metric tonne)	592	4.04% ▲	11 Jan 16
Cold rolled coil (\$/short ton)	537	4.07% ▲	11 Jan 16
Region: Mainland China			
Rebar	243	2.1% ▲	11 Jan 16
Standard plate	246	2.07% ▲	11 Jan 16
Hot rolled coil	251	2.87% ▲	11 Jan 16
Cold rolled coil	336	3.38% ▲	11 Jan 16
Region: World export market			
Hot rolled coil (\$/metric tonne)	283	0%	11 Jan 16

STAINLESS STEEL

	Price	Change [†]	Assessed
Asia import			
\$/tonne cif East Asian port			
Grade 304 2mm CR coil 2B	1,600–1,650*	–1.52% ▼	22 Jan 16
Grade 304 HR sheet	1,500–1,600*	–1.59% ▼	22 Jan 16
China domestic			
yuan/tonne, in warehouse			
Grade 304 2mm CR coil	11,100–11,300*	0%	22 Jan 16
Grade 430 2mm CR coil	6,400–6,500*	0%	22 Jan 16
EU export			
€/tonne fob N. European port			
Min 100 tonne lot			
Grade 304 2mm CR sheet	1,905–2,017*	0%	22 Jan 16
EU domestic			
2mm 304 cold rolled stainless sheet, €/tonne			
Base price	1,060–1,090*	0%	22 Jan 16
Alloy surcharge	845–927*	0%	22 Jan 16
304 stainless steel bright bar, €/tonne			
Base price	790–820*	0%	22 Jan 16
Alloy surcharge	915–1,183*	0%	22 Jan 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	90–100*	0%	15 Jan 16
1&2 old steel	80–90*	0%	15 Jan 16
12A/C New production heavy and shovellable steel	85–95*	0%	15 Jan 16
12D New production heavy and shovellable steel	95–105*	0%	15 Jan 16
Bales and cuttings			
4A new steel bales	90–100*	0%	15 Jan 16
4C new steel bales	85–95*	0%	15 Jan 16
8A new loose light cuttings	70–80*	0%	15 Jan 16
8B new loose light cuttings	65–75*	0%	15 Jan 16
Turnings			
UK inter-merchant 7B heavy steel turnings	35–45*	0%	15 Jan 16
Cast iron			
9A/10 heavy and light cast iron	70–80*	0%	15 Jan 16
9B/C cylinder block scrap	90–100*	0%	15 Jan 16
11A cast iron borings	60–70*	0%	15 Jan 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	20–35*	0%	15 Jan 16
UK ferrous scrap export			
<i>MB assessment \$/tonne fob main UK port</i>			
HMS 1&2 (80:20 mix)	167–168*	–5.63%	▼ 22 Jan 16
Shredded	177–178*	–5.33%	▼ 22 Jan 16
Indian imports			
<i>MB assessment \$/tonne cfr Nhava Sheva</i>			
MB index cfr India shredded	207.41*	–1.44%	▼ 15 Jan 16
HMS 1&2 (80:20 mix)	175–195*	–3.9%	▼ 22 Jan 16
Alloy steel scrap domestic			
<i>UK wholesale merchants' stainless (£/tonne)</i>			
18/8 solids	550–570*	3.7%	▲ 22 Jan 16
18/8 turnings	470–485*	3.8%	▲ 22 Jan 16
12–13% Cr solids	55–65*	0%	22 Jan 16
16–17% Cr solids	85–105*	0%	22 Jan 16
Cif Europe stainless € per tonne			
18/8 solids	855–865*	6.17%	▲ 22 Jan 16
18/8 turnings	730–735*	6.16%	▲ 22 Jan 16
Rotterdam export			
<i>MB assessment \$/tonne fob Rotterdam</i>			
MB index fob Rotterdam HMS 1&2 (80:20)	175.40*	3.27%	▲ 15 Jan 16
HMS 1&2 (70:30 mix)	156–157*	–6.01%	▼ 22 Jan 16
Shredded	176–177*	–5.36%	▼ 22 Jan 16
Turkish import			
<i>MB assessment \$/tonne cfr main Turkish ports</i>			
MB index cfr Turkey HMS 1&2 (80:20) (North Europe material)	172.88*	–6.71%	▼ 21 Jan 16
HMS 1&2 (70:30 mix)	164–165*	–6.27%	▼ 22 Jan 16
Shredded	184–185*	–5.14%	▼ 22 Jan 16

	Price	Change	Assessed
USA export			
<i>AMM ferrous scrap export index \$/tonne East Coast job New York</i>			
HMS 1&2 (80:20)	168.75*	–4.12%	▼ 20 Jan 16
Shredded	173.75*	–4.01%	▼ 20 Jan 16
USA domestic			
<i>AMM Midwest index \$/gross ton delivered mill</i>			
No1 heavy melting scrap	159.71*	14.3%	▲ 11 Jan 16
No1 busheling	180.76*	12.15%	▲ 11 Jan 16
Shredded	186.41*	12.75%	▲ 11 Jan 16
China domestic			
<i>yuan/tonne delivered mill</i>			
Heavy scrap	1,020–1,060*	0%	22 Jan 16
Germany domestic			
<i>€/tonne delivered at scrapyard, source: BDSV</i>			
No E2/8 (new steel scrap)	143.10	–2.59%	▼ 01 Jan 16
No E1 (old steel scrap)	128.90	–1.23%	▼ 01 Jan 16
No E3 (old thick steel scrap)	145.80	–1.88%	▼ 01 Jan 16
No E40 (shredded steel scrap)	154.50	–1.59%	▼ 01 Jan 16
No E5 (steel turnings)	106.20	–1.58%	▼ 01 Jan 16

[†] week-on-week change

continued >>

NON-FERROUS SCRAP EUROPE

	Price	Change [†]	Assessed
Aluminium			
European free market MB assessment €/tonne			
Floated frag	1,120–1,200*	0%	22 Jan 16
Cast	1,080–1,130*	0%	22 Jan 16
Mixed turnings 6%	830–910*	0%	22 Jan 16

Germany per 1000kg

Pure cuttings	1,140–1,220	-0.84%	▼ 20 Jan 16
Commercial cast	1,170–1,290	-0.81%	▼ 20 Jan 16
H9 extrusions	1,350–1,440	-1.06%	▼ 20 Jan 16
Alloy turnings	820–940	-1.12%	▼ 20 Jan 16

Source: VDM

France per 1000kg

Pure cuttings	1,230–1,250	4.2%	▲ 19 Jan 16
Old rolled	580–600	0%	19 Jan 16
Commercial cast	780–850	-1.21%	▼ 19 Jan 16

Source: Lettre d'Information Metaux

Italy per 1000kg

Pure cuttings	1,105–1,205	-0.86%	▼ 15 Jan 16
Old mixed scrap	1,105–1,155	-0.88%	▼ 15 Jan 16
Commercial cast	1,035–1,085	-0.93%	▼ 15 Jan 16

Source: Assomet

Copper**Germany per 1000kg**

Copper wire (berry)	3,880–4,060	-1.73%	▼ 20 Jan 16
Heavy copper	3,660–3,770	-2.11%	▼ 20 Jan 16
Heavy brass	2,340–2,600	-1.59%	▼ 20 Jan 16
Brass turnings (MS 58)	2,600–2,820	-0.73%	▼ 20 Jan 16
Brass sheet (MS 63)	2,770–3,010	-0.34%	▼ 20 Jan 16

Source: Verein Deutscher Metallhändler

France per 1000kg

Electro cuttings	3,700–3,750	1.36%	▲ 19 Jan 16
No 1 bright wire	3,540–3,560	2.45%	▲ 19 Jan 16
Mixed (96%)	3,440–3,470	2.07%	▲ 19 Jan 16
Brass plate cuttings 70/30	2,700–2,800	-0.9%	▼ 19 Jan 16
Brass turnings	2,400–2,500	0%	19 Jan 16
Mixed brass	2,300–2,350	-1.69%	▼ 19 Jan 16

Source: Lettre d'Information Metaux

Italy per 1000kg

Electrolytic dd EN 12861-S-Cu-2	3,812–3,864	-1.82%	▼ 15 Jan 16
Enamelled wire EN 12861-S-Cu-3	3,650–3,702	-1.89%	▼ 15 Jan 16
New from tubes, strips etc EN 12861-S-Cu-4	3,771–3,823	-1.84%	▼ 15 Jan 16
Old from tubes, strips etc 12861-S-Cu-7	3,497–3,549	-1.98%	▼ 15 Jan 16
EN12861-S-Cu-Zn-1-A-Cu 63.5%	2,810–2,887	-1.42%	▼ 15 Jan 16
Mixed from valves/taps EN 12861-S-Cu-Zn-6	2,259–2,337	-1.75%	▼ 15 Jan 16
Several 95% m/m 12861-S-Cu-Zn-7	2,059–2,137	-1.92%	▼ 15 Jan 16

Source: Assomet

CHINA IRON ORE

cfr main China port \$ per dry metric tonne

	Price	Change [†]	Assessed
Iron ore index (62% fe)	42.20–42.20*	2.63%	▲ 22 Jan 16
Iron ore pellet index cfr Qingdao (65% fe)	55.01–55.01*	2.02%	▲ 22 Jan 16

STEELBENCHMARKER™ SCRAP PRICES

	Price	Change [†]	Assessed
Region: USA, east of the Mississippi			
Shredded scrap (\$/metric tonne)**	180	4.65%	▲ 11 Jan 16
Shredded scrap (\$/gross ton)**	183	4.57%	▲ 11 Jan 16
No 1 heavy melting scrap (\$/metric tonne)	152	4.11%	▲ 11 Jan 16
No 1 heavy melting scrap (\$/gross ton)	154	4.05%	▲ 11 Jan 16
No 1 busheling scrap (\$/metric tonne)	178	7.88%	▲ 11 Jan 16
No 1 busheling scrap (\$/gross ton)	180	7.14%	▲ 11 Jan 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	195–200*	2.6%	▲ 21 Jan 16
Latin American exports \$/tonne, delivery terms as stated			
Hot briquetted iron Venezuela	155–175*	10%	▲ 22 Jan 16
Pig iron fob Vitoria/Rio	165–170*	0%	22 Jan 16
Pig iron fob Ponta da Maderia	175–180*	0%	22 Jan 16
US imports \$/tonne cfr Gulf of Mexico			
Pig iron	190–195*	0%	22 Jan 16
CIS exports \$/tonne fob main port			
Pig iron Baltic Sea	210–215*	0%	21 Jan 16
Pig iron Black Sea	170–175*	1.47%	▲ 21 Jan 16
China domestic yuan/tonne delivered warehouse			
Pig iron	1,360–1,370*	0%	22 Jan 16

UK NON-FERROUS SCRAP

	Price	Change [†]	Assessed
Aluminium – actual price			
<i>£ per tonne</i>			
Group 1 pure 99% & Litho	930–990*	3.23%	▲ 20 Jan 16
Commercial pure cuttings	730–780*	2.03%	▲ 20 Jan 16
Clean HE9 extrusions	930–990*	3.78%	▲ 20 Jan 16
Loose old rolled cuttings	550–600*	7.48%	▲ 20 Jan 16
Baled old rolled	620–660*	3.23%	▲ 20 Jan 16
Commercial cast	730–780*	0%	20 Jan 16
Cast wheels	850–880*	0%	20 Jan 16
Commercial turnings	530–580*	5.71%	▲ 20 Jan 16
Group 7 turnings	350–400*	10.29%	▲ 20 Jan 16

MB and LME aluminium scrap discounts

<i>£ per tonne</i>			
Group 1 pure 99% & Litho	44–104*	-5.13%	▼ 20 Jan 16
Commercial pure cuttings	254–304*	4.1%	▲ 20 Jan 16
Clean HE9 extrusions	44–104*	-10.84%	▼ 20 Jan 16
Loose old rolled cuttings	492–542*	-8.33%	▼ 20 Jan 16
Baled old rolled	432–472*	-3%	▼ 20 Jan 16
Commercial cast	312–362*	-2.03%	▼ 20 Jan 16
Cast wheels	212–242*	-2.99%	▼ 20 Jan 16
Commercial turnings	512–562*	-6.45%	▼ 20 Jan 16
Group 7 turnings	692–742*	-5.53%	▼ 20 Jan 16

Titanium

<i>\$/lb cif</i>			
Turnings, unprocessed type 90/6/4 (0.5% Sn max)	0.65–0.70*	0%	20 Jan 16
Turnings, unprocessed 90/6/4 (over 0.5% max 2% Sn)	0.53–0.60*	0%	20 Jan 16

† week-on-week change

continued >>

NON-FERROUS FOUNDRY INGOTS

	Price	Change [†]	Assessed
Aluminium UK £/tonne			
MB free market			
LM24 pressure diecasting ingot	1,160–1,260*	0%	20 Jan 16
LM6/LM25 gravity diecasting ingot	1,380–1,480*	0%	20 Jan 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	1,560–1,650*	–0.62% ▼	22 Jan 16
Aluminum US \$/lb delivered Midwest			
A380.1 alloy	0.84–0.86*	0%	21 Jan 16
AFFIMET €/tonne			
AS12	3,125	–1.11% ▼	01 Jan 16
AS12 UN	2,840	1.61% ▲	01 Jan 16
AS9 U3	2,215	2.07% ▲	01 Jan 16
AS5 U3	2,565	1.79% ▲	01 Jan 16
Reflects generally larger traded lots			
VDM €/1000 kg delivered			
DIN 226	2,130–2,230	–0.91% ▼	20 Jan 16
DIN 231	2,210–2,310	–0.88% ▼	20 Jan 16
DIN 311	2,190–2,290	–0.88% ▼	20 Jan 16
Aluminium bronze £/tonne UK			
AB1 ex-works	3,300	0%	19 Jan 16
AB2 ex-works	3,450	0%	19 Jan 16
Source: C. F. Booth Ltd			
Brass UK £/tonne			
SCB3 ex-works	2,800	0%	19 Jan 16
High tensile HTB1 ex-works	2,950	0%	19 Jan 16
Source: C. F. Booth Ltd			
Gunmetal UK £/tonne			
LG2 85/5/5/5 ex-works	3,300	0%	19 Jan 16
LG4 87/7/3/3 ex-works	3,900	0%	19 Jan 16
G11.15 PB ex-works	4,650	0%	19 Jan 16
Source: C. F. Booth Ltd			
Phosphor bronze UK £/tonne			
PB1 ex-works	4,900	0%	19 Jan 16
Source: C. F. Booth Ltd			
Phosphor copper £/tonne			
10% P ex-works	5,000	0%	19 Jan 16
15% P ex-works	5,100	0%	19 Jan 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	1,604	1.26% ▲	01 Jan 16
Brock Metal ZL5	1,626	1.25% ▲	01 Jan 16

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

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Monthly averages: December

BASE METALS

	Low	High
Aluminium		
Aluminium P1020A, in-warehouse Rotterdam duty unpaid, spot \$/tonne		
Rotterdam premium	102.609	125.000
Aluminium P1020A, in-warehouse Rotterdam duty paid, spot \$/tonne		
H/G Cash \$/tonne	158.333	182.222
Alumina		
Index fob Australia	204.172	
Copper		
US High-grade cathode premium indicator, \$/tonne	121.254	132.277
Nickel		
Free market in warehouse premium		
Europe \$/tonne	uncut cathodes	21.000 120.000
	4x4 cathodes	150.000 204.000
	briquettes	20.000 130.000
US	Melting \$/lb	0.150 0.200
Tin		
European free market		
Spot Premium 99.9% \$/tonne	356.250	450.000
Spot premium 99.85% \$/tonne	300.000	375.000
Kuala Lumpur (ex-smelter) \$/tonne	14,623.33	

MINOR METALS

Antimony		
MB free market		
Regulus 99.65%, max Se 50ppm,		
\$/tonne in warehouse	4,988.889	5,266.667
MMTA Standard grade II \$/tonne	4,944.444	5,230.000
Bismuth		
MB free market		
min. 99.99%, \$/lb, tonne lots in warehouse	4.144	4.711
Cadmium		
MB free market		
min 99.95%, cents/lb in warehouse	40.000	45.700
min 99.99%, cents/lb in warehouse	45.000	50.556
Cobalt		
MB free market		
High Grade, \$/lb in warehouse	9.333	11.333
Low Grade, \$/lb in warehouse	9.244	11.317
Germanium Dioxide		
MB free market min 99.99%, \$/kg	927.778	1,001.667
Rotterdam \$/kg	1,322.222	1,511.111
Indium		
MB free market		
Ingots min 99.97%, \$/kg in warehouse	230.000	280.000
Magnesium		
MB free market		
min 99.8%, \$/tonne	1,975.000	2,045.000
China free market min 99.8%	1,902.000	1,982.000

	Low	High
Mercury		
MB free market		
min 99.99%, \$/flask in warehouse	1,283.333	1,683.333
Selenium		
MB free market		
min 99.5% in warehouse \$/lb	6.800	8.800
Silicon		
MB free market €/tonne	1,981.111	2,081.111
Titanium		
Ferro-Titanium		
70% (max 4.5% Al), \$/kg d/d Europe	3.844	4.111

ORES & ALLOYS

	Low	High
Molybdenum		
Free market in warehouse		
Europe drummed molybdic oxide \$/lb Mo	4.978	5.178
US canned molybdic oxide \$/lb Mo	4.960	5.180
Ferro-molybdenum		
basis 65% min, in-warehouse Rotterdam, \$/kg Mo	13.072	13.439
Tungsten		
European free market APT \$/mtu	169.444	183.556
Ferro-tungsten		
basis 75% W min	21.962	23.128
Vanadium		
min 98%, in-warehouse Rotterdam, \$/lb V2O5	2.256	2.500
Ferro-vanadium		
basis 78% min, free delivery duty paid consumer plant, 1st grade Western Europe \$/kg V	13.256	13.778
US Free market 70–80%	5.820	6.100

PRECIOUS METALS

Gold		
London \$/troy oz	Morning	1,068.31667
	Afternoon	1,068.25263
London £/troy oz	Morning	712.39833
	Afternoon	711.73800
\$/troy oz	Handy/Harman	1,068.25
Palladium		
Morning \$/troy oz	550.61905	
Afternoon \$/troy oz	552.26316	
Platinum: per troy oz		
Morning \$/troy oz	860.19048	
Afternoon \$/troy oz	858.52632	
Rhodium		
European free market		
min 99.9% in warehouse, \$/troy oz	629.565	729.783
Silver		
London		
spot pence/troy oz	937.68048	
spot cents/troy oz	1,405.38095	
Handy/Harman cents/troy oz	1,408.55	

FOUNDRY INGOTS

	Low	High
Aluminium		
LM24	1,160.000	1,258.000
LM6/LM25	1,380.000	1,474.000
Aluminium Europe €/tonne	1,600.000	1,660.000
Phosphor Bronze		
PB1 ex-works £/tonne	4,850.000	
Zinc Alloy		
10 tonne lots ZL3 £/tonne	1,584.000	

EXCHANGE RATES (CLOSING RATES)

\$/£	1.4980
\$/yen	121.7386
\$/€	1.0882

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

	Jan-Dec 2015		December
	Low	High	Average
	\$	\$	\$
Aluminium (\$)			
Cash	1,423.75	1,918.50	1,493.89
3 months	1,434.75	1,937.25	1,495.35
Settlement	1,424.00	1,919.00	1,494.29
3 months seller	1,435.00	1,937.50	1,495.74
Copper Grade A (\$)			
Cash	4,515.25	6,446.50	4,628.60
3 months	4,499.50	6,442.50	4,630.77
Settlement	4,515.50	6,448.00	4,629.00
3 months seller	4,500.00	6,445.00	4,631.45
Copper Grade A (£)			
Settlement	2,983.88	4,240.26	3,088.95
3 months seller	2,973.24	4,241.74	3,090.16
Lead (\$)			
Cash	1,554.50	2,139.50	1,700.87
3 months	1,561.00	2,136.75	1,699.43
Settlement	1,555.00	2,140.00	1,701.29
3 months seller	1,562.00	2,137.00	1,700.24
Lead (£)			
Settlement	1,023.20	1,415.62	1,135.34
3 months seller	1,031.91	1,414.58	1,134.46
Nickel (\$)			
Cash	8,155.00	15,452.50	8,688.69
3 months	8,195.00	15,535.00	8,732.74
Settlement	8,160.00	15,455.00	8,692.14
3 months seller	8,200.00	15,540.00	8,738.33
Tin (\$)			
Cash	13,892.50	19,737.50	14,694.05
3 months	13,837.50	19,737.50	14,654.52
Settlement	13,895.00	19,750.00	14,702.38
3 months seller	13,850.00	19,750.00	14,664.52

	Jan-Dec 2015		December
	Low	High	Average
	\$	\$	\$
Zinc (\$)			
Cash	1,461.25	2,402.50	1,521.74
3 months	1,482.75	2,376.50	1,539.76
Settlement	1,461.50	2,405.00	1,522.10
3 months seller	1,483.00	2,377.00	1,540.31
Cobalt (\$)			
Cash	22,750.00	33,425.00	24,028.10
3 months	22,750.00	32,500.00	24,051.19
Settlement	23,000.00	33,450.00	24,235.24
3 months seller	23,000.00	32,750.00	24,280.95
Molybdenum (\$)			
Cash	9,000.00	21,000.00	11,273.81
3 months	9,250.00	21,000.00	11,273.81
Settlement	9,250.00	21,500.00	11,523.81
3 months seller	9,500.00	21,500.00	11,523.81
Aluminium Alloy (\$)			
Cash	1,537.50	1,875.00	1,591.36
3 months	1,540.00	1,885.00	1,600.48
Settlement	1,540.00	1,880.00	1,595.81
3 months seller	1,545.00	1,890.00	1,605.24
Nasaa (\$)			
Cash	1,557.50	2,020.00	1,718.02
3 months	1,585.00	2,057.50	1,729.88
Settlement	1,560.00	2,025.00	1,722.24
3 months seller	1,590.00	2,060.00	1,734.52
Steel Billet (\$)			
Cash	125.00	490.00	195.00
3 months	140.00	490.00	210.00
Settlement	140.00	500.00	220.00
3 months seller	165.00	500.00	235.00

LME SETTLEMENT CONVERSION RATES

\$/£	1.4987
\$/yen	121.753
\$/€	1.0871