



Prices

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NEW YORK FUTURES			
	Price	Change [†]	Assessed
Comex: Copper high grade cents/lb			
Settlement	270.20	-2.19% ▼	20 Dec 18
Open interest	214,538	2.76% ▲	19 Dec 18
Stocks (short ton)	114,594	-5.14% ▼	19 Dec 18
Comex: Gold \$/troy oz			
Settlement	1,263.60	1.68% ▲	20 Dec 18
Open interest	417,674	3.2% ▲	19 Dec 18
Stocks (troy oz)	8,338,693	0%	19 Dec 18
Nymex: Palladium \$/troy oz			
Settlement	1,230.80	1.19% ▲	20 Dec 18
Stocks (troy oz)	46,439	-0.21% ▼	19 Dec 18
Nymex: Platinum \$/troy oz			
Settlement	795.80	-0.21% ▼	20 Dec 18
Stocks (troy oz)	173,474	0%	19 Dec 18
Comex: Silver cents/troy oz			
Settlement	1,475.30	0.16% ▲	20 Dec 18
Open interest	172,572	-1.43% ▼	19 Dec 18
SHANGHAI FUTURES			
	Price	Change [†]	Assessed
Aluminium yuan/tonne	13,695	1.29% ▲	21 Dec 18
Copper yuan/tonne	48,400	-1.04% ▼	21 Dec 18
Nickel cathode yuan/tonne	89,840	1.4% ▲	21 Dec 18
Tin ingot yuan/tonne	145,180	0.54% ▲	21 Dec 18
Zinc yuan/tonne	21,440	-0.09% ▼	21 Dec 18
Steel rebar month 1 yuan/tonne	3,829	8.1% ▲	21 Dec 18
Steel rebar month 2 yuan/tonne	3,609	-3.32% ▼	21 Dec 18
Steel rebar month 3 yuan/tonne	3,584	1.56% ▲	21 Dec 18
Weekly stocks deliverable			
Aluminium (tonnes)	681,045	-1.13% ▼	21 Dec 18
Copper (tonnes)	110,702	-9.43% ▼	21 Dec 18
Nickel cathode (tonnes)	14,557	0.28% ▲	21 Dec 18
Tin ingot (tonnes)	8,339	0.13% ▲	21 Dec 18
Zinc (tonnes)	21,520	-13.5% ▼	21 Dec 18
Steel rebar (tonnes)	1,218	-42.92% ▼	21 Dec 18
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	1,919-1,920	0.63% ▲	21 Dec 18
Cash unofficial	1,917-1,919	0.18% ▲	20 Dec 18
3 months official	1,911-1,912	-0.48% ▼	21 Dec 18
3 months unofficial	1,916-1,918	-0.52% ▼	20 Dec 18
LME Tapo notional average price (NAP)	1,945.04	-0.5% ▼	20 Dec 18
LME stocks (tonnes)	1,265,250	10.01% ▲	20 Dec 18
Aluminium alloy (A380.1/DIN/D12S) \$			
LME cash official	1,420-1,430	1.39% ▲	21 Dec 18
LME cash unofficial	1,404-1,414	-1.05% ▼	20 Dec 18
LME 3 months official	1,420-1,430	1.42% ▲	21 Dec 18
LME 3 months unofficial	1,400-1,410	-0.71% ▼	20 Dec 18
LME stocks (tonnes)	11,580	-3.98% ▼	20 Dec 18

	Price	Change	Assessed
N. American special aluminium alloy			
LME cash official	1,355-1,360	-3.38% ▼	21 Dec 18
LME cash unofficial	1,390-1,400	-0.71% ▼	20 Dec 18
LME 3 months official	1,420-1,430	1.42% ▲	21 Dec 18
LME 3 months unofficial	1,410-1,420	0.71% ▲	20 Dec 18
LME stocks (tonnes)	133,460	-0.95% ▼	20 Dec 18
Copper grade A \$			
LME cash official	5,985-5,987	-1.93% ▼	21 Dec 18
LME cash unofficial	5,988.5-5,990.5	-2.84% ▼	20 Dec 18
LME 3 months official	6,003-6,005	-1.58% ▼	21 Dec 18
LME 3 months unofficial	6,006-6,008	-2.44% ▼	20 Dec 18
LME Tapo notional average price (NAP)	6,135.61	-0.78% ▼	20 Dec 18
LME stocks (tonnes)	129,725	7.01% ▲	20 Dec 18
Lead \$			
LME cash official	1,957.5-1,958	1.65% ▲	21 Dec 18
LME cash unofficial	1,963-1,965	0.72% ▲	20 Dec 18
LME 3 months official	1,962-1,963	1.24% ▲	21 Dec 18
LME 3 months unofficial	1,966-1,968	0.51% ▲	20 Dec 18
LME stocks (tonnes)	107,625	0.77% ▲	20 Dec 18
Nickel \$			
LME cash official	10,775-10,785	0.42% ▲	21 Dec 18
LME cash unofficial	10,840-10,850	0.72% ▲	20 Dec 18
LME 3 months official	10,875-10,885	0.62% ▲	21 Dec 18
LME 3 months unofficial	10,920-10,930	0.81% ▲	20 Dec 18
LME stocks (tonnes)	209,052	-0.3% ▼	20 Dec 18
Tin \$			
LME cash official	19,375-19,400	0.14% ▲	21 Dec 18
LME cash unofficial	19,285-19,335	-1.03% ▼	20 Dec 18
LME 3 months official	19,350-19,450	0.19% ▲	21 Dec 18
LME 3 months unofficial	19,275-19,325	-0.9% ▼	20 Dec 18
LME stocks (tonnes)	2,800	-6.35% ▼	20 Dec 18
Zinc special high grade \$			
LME cash official	2,583-2,585	1.04% ▲	21 Dec 18
LME cash unofficial	2,604.5-2,606.5	-1.29% ▼	20 Dec 18
LME 3 months official	2,534-2,535	0.76% ▲	21 Dec 18
LME 3 months unofficial	2,545-2,547	-0.66% ▼	20 Dec 18
LME stocks (tonnes)	130,375	9.56% ▲	20 Dec 18
Cobalt min 99.3%			
LME cash official	54,000-55,000	-0.91% ▼	21 Dec 18
LME 3 months official	54,000-55,000	-0.91% ▼	21 Dec 18
LME stocks (tonnes)	802	-0.62% ▼	20 Dec 18
Molybdenum \$			
LME cash official	24,000-26,000	0%	21 Dec 18
LME 3 months official	24,000-26,000	0%	21 Dec 18
LME stocks (tonnes)	0	0%	20 Dec 18

† week-on-week change

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	Price	Change	Assessed
Gold \$/troy oz			
London morning	1,255	0.85% ▲	20 Dec 18
London afternoon	1,259.75	1.37% ▲	20 Dec 18
Handy/Harman	1,259.75	1.37% ▲	20 Dec 18
Silver per troy oz			
London spot pence	1,164	0.34% ▲	20 Dec 18
London spot cents	1,477	0.61% ▲	20 Dec 18
Handy/Harman	1,473.5	-0.3% ▼	20 Dec 18
Palladium \$/troy oz			
London morning	1,274	0.79% ▲	20 Dec 18
London afternoon	1,271	0.71% ▲	20 Dec 18
Platinum \$/troy oz			
London morning	791	-1.12% ▼	20 Dec 18
London afternoon	791	-0.38% ▼	20 Dec 18
Kuala Lumpur tin market			
Tin \$/tonne	19,400	0.52% ▲	21 Dec 18
ICDX			
Tin PB300 settlement price \$/tonne	19,200	1.32% ▲	21 Dec 18
Tin PB300 volume, tonnes	191	19000% ▲	21 Dec 18
RAND FIXING PRICES			
<i>Rand fixing prices per tonne for London Metal Exchange trade</i>			
	Price	Change†	Assessed
Copper	85,856.57	-1.24% ▼	21 Dec 18
Aluminium	27,533.76	1.32% ▲	21 Dec 18
Lead	28,078.70	2.31% ▲	21 Dec 18
Zinc	37,070.19	1.67% ▲	21 Dec 18
Nickel	154,662.29	1.11% ▲	21 Dec 18
Tin	278,205.70	0.87% ▲	21 Dec 18
EXCHANGE RATES			
	Price	Change†	Assessed
LME settlement conversion rates			
\$/£	1.2656	0.68% ▲	21 Dec 18
\$/¥	111.2400	-2.05% ▼	21 Dec 18
\$/€	1.1415	1.12% ▲	21 Dec 18
Closing rates, midpoint			
\$/£	1.2635	0.13% ▲	20 Dec 18
\$/¥	111.6700	-1.73% ▼	20 Dec 18
\$/€	1.1416	0.6% ▲	20 Dec 18
£/€	1.1068	-0.47% ▼	20 Dec 18
\$/CNY	6.8971	0.42% ▲	20 Dec 18
BASE METALS ARBITRAGE			
	Price	Change†	Assessed
Aluminium			
Import arbitrage, \$/tonne	-397.37*	-6.81% ▼	21 Dec 18
Import arbitrage, yuan/tonne	-2,746.49*	-6.75% ▼	21 Dec 18
Copper			
Import arbitrage, \$/tonne	-89.73*	-27.01% ▼	21 Dec 18
Import arbitrage, yuan/tonne	-620.16*	-26.97% ▼	21 Dec 18
Nickel			
Import arbitrage, \$/tonne	239.71*	-22.81% ▼	21 Dec 18
Import arbitrage, yuan/tonne	1,656.83*	-22.76% ▼	21 Dec 18
Zinc			
Import arbitrage, \$/tonne	-8.32*	-84.03% ▼	21 Dec 18
Import arbitrage, yuan/tonne	-57.53*	-84.02% ▼	21 Dec 18

MB BASE METAL PREMIUMS*All prices \$/tonne unless otherwise stated***MB Copyright*

	Price	Change†	Assessed
Copper			
Annual premium 8mm wire rod, cif Nhava Sheva, \$/tonne	130-175*	-12.86% ▼	07 Sep 18
Rotterdam, Grade A, cathode, cif, \$/tonne	40.0-50.0*	0%	18 Dec 18
Germany, Grade A, cathode, delivered, \$/tonne	85.0-95.0*	0%	18 Dec 18
North European warrants, Grade A cathode, in-warehouse, \$/tonne	15.0-20.0*	0%	18 Dec 18
South European warrants, Grade A cathode, in-warehouse, \$/tonne	15.0-20.0*	0%	18 Dec 18
Leghorn, copper low-high premium, Grade A, cathode, cif, \$/tonne	65.0-70.0*	0%	18 Dec 18
Leghorn, copper average premium, Grade A, cathode, cif, \$/tonne	67*	0%	21 Aug 18
Japan, copper, Grade A, cathode, cif, \$/tonne	80.0-90.0*	0%	18 Dec 18
South Korea, copper low-high premium, Grade A, cathode, cif, \$/tonne	85.0-90.0*	0%	18 Dec 18
South Korea, copper average premium, Grade A, cathode, cif, \$/tonne	70*	0%	21 Aug 18
Southeast Asian warrants, Grade A cathode, in-warehouse, \$/tonne	15.0-20.0*	0%	18 Dec 18
East Asian warrants, Grade A cathode, in-warehouse, \$ per tonne	15.0-20.0*	0%	18 Dec 18
Southeast Asia, Grade A cathode, cif, \$ per tonne	80.0-90.0*	0%	18 Dec 18
Shanghai, copper low-high premium, Grade A, cathode, in-warehouse, \$/tonne	55.0-76.0*	2.34% ▲	21 Dec 18
Shanghai, copper average premium, Grade A, cathode, in-warehouse, \$/tonne	79*	5.33% ▲	24 Aug 18
Shanghai, copper low-high premium, Grade A, cathode, cif, \$/tonne	55.0-72.0*	1.6% ▲	21 Dec 18
Shanghai, copper average premium, Grade A, cathode, cif, \$/tonne	79*	6.76% ▲	24 Aug 18
Shanghai, copper cif ER, premium, Grade A, cathode, \$/tonne	60.0-72.0*	1.54% ▲	21 Dec 18
Shanghai, copper cif SX-EW, premium, Grade A, cathode, \$/tonne	55.0-60.0*	0%	21 Dec 18
Shanghai, copper bonded in-warehouse, SX-EW, premium, Grade A, cathode, \$/tonne	55.0-63.0*	0%	21 Dec 18
Shanghai, copper bonded in-warehouse, ER, premium, Grade A, cathode, \$/tonne	63.0-76.0*	2.21% ▲	21 Dec 18
Taiwan, Grade A cathode, cif, \$ per tonne	73.0-90.0*	0%	18 Dec 18
MB free market US: High-grade cathode premium indicator, \$/tonne	154.3-165.3*	0%	18 Dec 18
United States warrants, Grade A cathode, \$/tonne	10.0-15.0*	0%	18 Dec 18
Aluminium			
Aluminium P1020A, in-warehouse Rotterdam duty-unpaid, spot low-high, \$/tonne	55.0-65.0*	-11.11% ▼	21 Dec 18
Aluminium P1020A, in-warehouse Rotterdam duty-unpaid, spot weighted average, \$/tonne	87*	2.35% ▲	24 Aug 18
Aluminium P1020A, cif Korea (Gwangyang or Busan), spot low-high, \$/tonne	65-80*	-6.45% ▼	18 Dec 18
Aluminium P1020A, cif Korea (Gwangyang or Busan), spot weighted average, \$/tonne	90*	0%	21 Aug 18
Aluminium P1020A, Southeast Asian warrants, in-warehouse, \$/tonne	8.0-25.0*	0%	18 Dec 18
Aluminium P1020A, East Asian warrants, in-warehouse, \$/tonne	8.0-25.0*	0%	18 Dec 18

† week-on-week change

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	Price	Change	Assessed
Aluminium P1020A, cif Shanghai, spot low-high, \$/tonne	95.0-105.0*	0%	18 Dec 18
Aluminium P1020A, cif Shanghai, spot weighted average, \$/tonne	99*	0%	21 Aug 18
Aluminium P1020A, Singapore, fob, \$/tonne	60.0-70.0*	-7.14% ▼	18 Dec 18
Aluminium P1020A, South Korea, fca, \$/tonne	75.0-90.0*	-5.71% ▼	18 Dec 18
Aluminium P1020A, Malaysia, fob, \$/tonne	60.0-70.0*	-7.14% ▼	18 Dec 18
Aluminium P1020A, Shanghai, in-warehouse, \$/tonne	95.0-105.0*	0%	18 Dec 18
Aluminium P1020A, Taiwan, cif, \$/tonne	70.0-80.0*	0%	18 Dec 18
Aluminium P1020A, Antwerp, in-warehouse duty-unpaid, \$/tonne	60.0-73.0*	-3.62% ▼	18 Dec 18
Aluminium P1020A, Antwerp, in-warehouse duty-paid, \$/tonne	120.0-128.0*	-3.88% ▼	18 Dec 18
Aluminium P1020A, Vlissingen, in-warehouse duty-unpaid, spot, \$/tonne	60.0-73.0*	-3.62% ▼	18 Dec 18
Aluminium P1020A, Vlissingen, in-warehouse duty-paid, spot, \$/tonne	120.0-128.0*	-3.88% ▼	18 Dec 18
Aluminium P1020A, Italy, fca duty-paid, spot, \$/tonne	165.0-175.0*	-2.86% ▼	18 Dec 18
Aluminium P1020A, Spain, fca duty-paid, \$/tonne	170.0-180.0*	0%	18 Dec 18
Aluminium P1020A, Turkey, cif duty-unpaid, \$/tonne	80.0-90.0*	0%	18 Dec 18
Aluminium P1020A, cif main Japanese ports, spot low-high, \$/tonne	60.0-80.0*	3.7% ▲	21 Dec 18
Aluminium P1020A, cif main Japanese ports, spot weighted average, \$/tonne	123*	0%	20 Mar 18
Aluminium ingot ADC 12 ex-works China, duty-paid, yuan/tonne	13,700-14,000*	-1.07% ▼	19 Dec 18
Aluminium ingot ADC 12 spot, main Japanese ports, \$/tonne	1,600-1,630*	-1.37% ▼	19 Dec 18
Aluminium P1020A, cif main Japanese ports, quarterly, \$/tonne	103.0-103.0*	-21.97% ▼	01 Oct 18
Aluminium extrusion billet premium 6063 cif Japan, yearly, \$/tonne	140.0-150.0*	-6.45% ▼	12 Jan 18
Aluminium P1020A, in-warehouse Rotterdam duty-paid, spot \$/tonne	110.0-120.0*	-8% ▼	21 Dec 18
Aluminium 6063 extrusion billet, in-warehouse Rotterdam duty-paid, spot, \$/tonne	450.0-480.0*	-5.1% ▼	21 Dec 18
Aluminium P1020A, delivered US midwest, spot, \$/lb	0.188-0.193*	-1.3% ▼	21 Dec 18
Aluminium P1020A, US warrants, in-warehouse, \$/tonne	115.0-125.0*	0%	18 Dec 18
Aluminium P1020A, delivered Sao Paulo region, spot, \$/tonne	260.0-270.0*	0%	18 Dec 18
Aluminium P1020A, cif Brazilian main ports duty-unpaid, spot, \$/tonne	160.0-170.0*	0%	18 Dec 18
Aluminium 6063 + 6060 extrusion billet, cif Brazilian main ports, spot (premium over LME cash), \$/tonne	300.0-330.0*	0%	21 Dec 18
Aluminium extrusion billet, delivered duty-paid North Germany (Ruhr region) over LME 30-day pay, \$/gross tonne	490.0-520.0*	-4.72% ▼	21 Dec 18
Aluminium extrusion billet, delivered duty-paid Italy (Brescia area) over LME 60-day pay, \$/gross tonne	490.0-540.0*	-0.96% ▼	21 Dec 18
Aluminium extrusion billet, delivered duty-paid Spain over LME 60-day pay, \$/gross tonne	490.0-510.0*	-1.96% ▼	21 Dec 18
Aluminium extrusion billet, cif Thailand duty-unpaid over LME cash pay, \$/gross tonne	190.0-210.0*	-6.98% ▼	21 Dec 18
Aluminium extrusion billet, cif Japan duty-unpaid over MJP and LME cash pay, \$/gross tonne	140.0-155.0*	1.72% ▲	19 Oct 18

	Price	Change	Assessed
Aluminium extrusion billet, cif Turkey (Marmara region) duty-paid over LME cash pay, \$/gross tonne	270.0-300.0*	0%	21 Dec 18
Aluminium foundry alloy premium, delivered duty-paid, Germany, \$/tonne	390.0-420.0*	-1.22% ▼	14 Dec 18
Aluminium foundry alloy premium, delivered duty-paid, Eastern Europe, \$/tonne	370.0-410.0*	-6.02% ▼	14 Dec 18
Aluminium foundry alloy premium, delivered duty-unpaid, US midwest, \$/tonne	15.0-18.0*	22.22% ▲	14 Dec 18
Aluminium foundry alloy premium, delivered duty-paid cif Turkey, \$/tonne	170.0-180.0*	0%	14 Dec 18
Annual aluminium wheel alloy silicon 7 ingot cif main Japanese ports (Yokohama, Osaka, Nagoya) \$/tonne	105.0-120.0*	0%	09 Feb 18
Annual aluminium wheel alloy silicon 7 ingot cif main South Korean ports (Busan, Gwangyang, Incheon) \$/tonne	80.0-100.0*	0%	09 Feb 18
Lead			
North European warrants, min 99.97% ingots, in-warehouse, \$/tonne	10.0-15.0*	0%	18 Dec 18
Southeast Asian warrants, min 99.97% ingots, in-warehouse, \$/tonne	15.0-25.0*	0%	18 Dec 18
East Asian warrants, min 99.97% ingots, in-warehouse, \$/tonne	15.0-25.0*	0%	18 Dec 18
Southeast Asia, min 99.97% cif, \$/tonne	60.0-75.0*	0%	18 Dec 18
Southeast Asia, 99.99% cif, \$/tonne	120.0-140.0*	0%	18 Dec 18
Taiwan, 99.97% purity, cif, \$/tonne	40.0-85.0*	0%	18 Dec 18
Taiwan, 99.99% purity, cif, \$/tonne	135.0-145.0*	0%	18 Dec 18
India, 99.97% purity, cif, \$/tonne	40.0-100.0*	0%	18 Dec 18
India, 99.99% purity, cif, \$/tonne	140.0-160.0*	0%	18 Dec 18
South European warrants, 99.97% purity, in-warehouse, \$/tonne	15.0-30.0*	0%	18 Dec 18
Rotterdam, 99.97% purity, duty-paid fca, \$/tonne	65.0-75.0*	0%	18 Dec 18
Rotterdam, 99.99% purity, duty-paid fca, \$/tonne	165.0-170.0*	0%	18 Dec 18
Italy, 99.97% purity, duty-paid fca, \$/tonne	120.0-130.0*	0%	18 Dec 18
US warrants, 99.97% purity, in-warehouse, \$/tonne	20.0-30.0*	0%	18 Dec 18
US lead premium 99.97%, delivered domestic, \$/lb	0.09-0.11*	0%	18 Dec 18
US lead premium 99.97%, delivered domestic, cents/lb	9-11*	0%	18 Dec 18
US lead premium 99.99%, delivered domestic, cents/lb	11-13*	0%	18 Dec 18
Nickel			
Shanghai, nickel low-high premium, 99.8% purity in-warehouse, \$/tonne	200.0-210.0*	0%	18 Dec 18
Shanghai, nickel average premium, 99.8% purity in-warehouse, \$/tonne	190*	2.7% ▲	21 Aug 18
Shanghai, nickel low-high premium, 99.8% purity, full plate, cif, \$/tonne	190.0-200.0*	-2.5% ▼	18 Dec 18
Shanghai, nickel premium, 99.8% purity full plate, cif, \$/tonne	185*	5.71% ▲	21 Aug 18
Southeast Asian warrants, min 99.80% full plates, in-warehouse, \$/tonne	110-180*	0%	18 Dec 18
Southeast Asian warrants, min 99.80% briquettes, in-warehouse, \$/tonne	10-15*	0%	18 Dec 18
East Asian warrants, min 99.80% full plates, in-warehouse, \$/tonne	100-160*	0%	18 Dec 18
East Asian warrants, min 99.80% briquettes, in-warehouse, \$/tonne	10-15*	0%	18 Dec 18
North European warrants, min 99.80%, in-warehouse, \$/tonne	190-230*	0%	18 Dec 18
uncut cathodes premium indicator	190.0-250.0*	0%	18 Dec 18
† week-on-week change			continued >



	Price	Change	Assessed
4x4 cathodes premium indicator	450.0-500.0*	0%	18 Dec 18
briquettes premium indicator	235.0-265.0*	0%	18 Dec 18
Nickel 4x4 cathode premium, delivered consumer works US, US cents per pound	35-45*	0%	18 Dec 18
Nickel briquette premium, delivered consumer works US, US cents per pound	24-28*	0%	18 Dec 18
Tin			
Rotterdam spot premium, 99.9% low lead ingots, in-warehouse \$/tonne	475-550*	0%	18 Dec 18
Rotterdam spot premium 99.9% ingot, in-warehouse \$/tonne	410-460*	0%	18 Dec 18
Rotterdam spot premium 99.85% ingot, in-warehouse \$/tonne	275-300*	0%	18 Dec 18
South East Asian warrants, min 99.85% ingots, in-warehouse \$/tonne	15-30*	0%	18 Dec 18
Singapore spot premium, 99.9% ingots, in-warehouse \$/tonne	25-75*	0%	18 Dec 18
Singapore spot premium, 99.9% low lead ingots, in-warehouse \$/tonne	250-300*	0%	18 Dec 18
Shanghai spot premium, 99.85% ingots, cif, \$/tonne	150-170*	0%	18 Dec 18
Shanghai spot premium, 99.9% ingots, cif, \$/tonne	230-250*	0%	18 Dec 18
Shanghai spot premium, 99.9% low lead ingots, cif, \$/tonne	320-350*	0%	18 Dec 18
Taiwan spot premium, 99.9% ingots, cif, \$/tonne	200-220*	0%	18 Dec 18
Baltimore premium, 99.85% ASTM grade A ingots, in-warehouse \$/tonne	500-600*	0%	18 Dec 18
US midwest premium, 99.85% ASTM grade A ingots, delivered \$/tonne	550-625*	0%	18 Dec 18
US New York spot, cents/lb	946-947	-1.76% ▼	25 Jun 18
Zinc			
North European warrants, min 99.995% SHG ingots, \$/tonne	10.0-25.0*	0%	18 Dec 18
MB EU: Special high grade, fca Rotterdam, \$/tonne	115.0-125.0*	-1.23% ▼	18 Dec 18
Malaysia in-warehouse, 99.995% SHG ingots, \$/tonne	120.0-140.0*	4% ▲	18 Dec 18
Malaysia fca, 99.995%, \$/tonne	125.0-145.0*	3.85% ▲	18 Dec 18
Southeast Asia cif, 99.995%, \$/tonne	150.0-170.0*	-5.88% ▼	18 Dec 18
Singapore, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne	120.0-140.0*	4% ▲	18 Dec 18
Singapore, zinc average premium, 99.995% purity, in-warehouse, \$/tonne	120*	41.18% ▲	21 Aug 18
Singapore, zinc premium, 99.995% purity, fca \$/tonne	125.0-145.0*	3.85% ▲	18 Dec 18
Shanghai, zinc low-high premium, 99.995% purity, in-warehouse, \$/tonne	160.0-170.0*	-5.71% ▼	18 Dec 18
Shanghai, zinc average premium, 99.995% purity, in-warehouse, \$/tonne	147*	8.89% ▲	21 Aug 18
Shanghai 99.995% purity, cif \$/tonne	140.0-150.0*	-6.45% ▼	18 Dec 18
Taiwan 99.995% purity SHG ingots, cif \$/tonne	160.0-170.0*	-1.49% ▼	18 Dec 18
India 99.995% purity, cif duty-unpaid \$/tonne	130.0-155.0*	0%	18 Dec 18
India 99.995% purity, cif duty-paid \$/tonne	235.0-255.0*	0%	18 Dec 18
Antwerp 99.995% purity, duty-paid fca \$/tonne	115.0-125.0*	-1.23% ▼	18 Dec 18
Italy 99.995% purity, duty-paid fca \$/tonne	140.0-145.0*	-1.72% ▼	18 Dec 18
Italy 99.995% purity, delivered duty-paid \$/tonne	185.0-195.0*	0%	18 Dec 18
US warrants 99.995% purity, in-warehouse \$/tonne	5.0-10.0*	0%	18 Dec 18
MB US: Special high grade, \$/lb	0.085-0.093*	0%	18 Dec 18

BASE METALS			
	Price	Change†	Assessed
Alumina			
MB Chinese free market, metallurgical grade, delivered duty-paid, yuan/tonne	2,900.0-2,950.0*	-1.52% ▼	20 Dec 18
Alumina Index fob Australia	406.65*	-3.57% ▼	21 Dec 18
Alumina Index fob Brazil	8.33*		20 Dec 18
Alumina Index fob Brazil, inferred Brazil price \$ per dry metric ton	414.98*		21 Dec 18
Aluminium			
Shanghai bonded aluminium stocks, tonnes	4,500-5,000*	0%	03 Dec 18
Bauxite			
fob Kamsar, Guinea \$/tonne per dmtu	38*	-1.32% ▼	20 Dec 18
fob Trombetas, Brazil \$/tonne per dmtu	37*	0%	20 Dec 18
Copper & Brass			
Producer premium			
Aurubis European Grade A cathode ex-works \$/tonne	86.0	0%	20 Oct 17
Codelco: Contract Grade A cathode (average)	98.0	11.36% ▲	26 Sep 18
Germany: (VDM) Electro, €/tonne wirebar (DEL):	5,327.3-5,354.7	-3.13% ▼	19 Dec 18
cathodes:	5,240.0-5,340.0	-2.76% ▼	19 Dec 18
South Africa: Palabora copper rod 7.90mm, Rand/tonne	100,396.770	-3.2% ▼	03 Dec 18
Copper concentrate Asia-Pacific Index RC import, US cents/lb (twice monthly on 15th and last day of month)	8.62-8.62*	-2.93% ▼	14 Dec 18
Copper concentrate Asia-Pacific Index TC import, \$/dmt (twice monthly on 15th and last day of month)	86.20-86.20*	-2.93% ▼	14 Dec 18
Shanghai bonded copper stocks, tonnes	410,000-415,000*	2.74% ▲	17 Dec 18
Nickel			
Nickel pig iron high grade NPI content 10-15% contract price delivered duty-paid China yuan per nickel unit price	960-970*	0%	18 Dec 18
Nickel pig iron high grade NPI content 10-15% spot price China yuan per nickel unit price	960-980*	0%	18 Dec 18
Shanghai bonded nickel stocks, tonnes	24,000-32,000*	-9.68% ▼	03 Dec 18
Nickel ore			
Laterite ore with 1.5% nickel content cif China, \$/tonne	27-29*	0%	18 Dec 18
Nickel ore 1.8% basis cif China, 15-20% Fe, water content: 30-35%, Si:Mg ratio less than 2, lot size 50,000 tonnes, \$/tonne	50-52*	0%	18 Dec 18
Lead			
Germany: (VDM) virgin soft, €/tonne	1,840-1,880	-1.59% ▼	19 Dec 18
Lead concentrate spot treatment charge (TC) high silver CIF Asia Pacific, \$/tonne	40-50*	100% ▲	30 Nov 18
Lead concentrate spot treatment charge (TC) low silver CIF Asia Pacific, \$/tonne	10-30*	-33.33% ▼	30 Nov 18
<i>EUROBAT has decided to discontinue collecting and aggregating premium information. So it will no longer be able to supply this information to the Metal Bulletin. The premiums will be discontinued from the end of 2017.</i>			
Zinc			
Germany: (VDM) virgin, €/tonne	2,440-2,440	-3.17% ▼	19 Dec 18
UK: Special high grade, delivered monthly average price £/tonne	2,205*	-1.96% ▼	03 Dec 18
Zinc concentrate spot treatment charge (TC) CIF Asia-Pacific \$/tonne	170-190*	38.46% ▲	30 Nov 18
Zinc concentrate spot treatment charge (TC) delivered North China yuan/tonne	5,100-5,300*	9.47% ▲	30 Nov 18
Zinc concentrate spot treatment charge (TC) delivered South China yuan/tonne	4,900-5,100*	3.09% ▲	30 Nov 18
Shanghai bonded zinc stocks, tonnes	38,300-44,300*	68.57% ▲	03 Dec 18

† week-on-week change

continued >



PRECIOUS METALS			
	Price	Change [†]	Assessed
Iridium			
MB free market: min 99.9%, \$/troy oz in-warehouse	1,420-1,520*	0%	21 Dec 18
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	1,480	0%	21 Dec 18
Engelhard base price: \$/troy oz	1,485	0%	21 Dec 18
Palladium			
European free market: min 99.9%, \$/troy oz in-warehouse	1,260-1,274*	0.76% ▲	21 Dec 18
Engelhard base price: \$/troy oz	1,271	-0.24% ▼	21 Dec 18
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	1,265	1.04% ▲	21 Dec 18
Platinum			
European free market: min 99.9%, \$/troy oz in-warehouse	791-799*	0.06% ▲	21 Dec 18
Engelhard base price: \$/troy oz	797	-0.25% ▼	21 Dec 18
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	799	0.13% ▲	21 Dec 18
Rhodium			
European free market: min 99.9%, \$/troy oz in-warehouse	2,415-2,515*	-2.57% ▼	21 Dec 18
Engelhard base price: \$/troy oz	2,490	-2.35% ▼	21 Dec 18
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	2,490	-2.16% ▼	21 Dec 18
Ruthenium			
European free market: min 99.9%, \$/troy oz in-warehouse	245-285*	0%	21 Dec 18
Engelhard base price: \$/troy oz	270	0%	21 Dec 18
Johnson Matthey base price: (unfab) \$/troy oz (08 hrs)	270	0%	21 Dec 18
MINOR METALS			
	Price	Change [†]	Assessed
Antimony			
MB free market Regulus, min 99.65%, max Se 50 ppm, max 100 ppm Bi, \$/tonne in-warehouse Rotterdam	7,900-8,100*	0%	21 Dec 18
MMTA Standard Grade II, \$/tonne in-warehouse Rotterdam	7,700-7,900*	-1.58% ▼	21 Dec 18
MB Chinese free market MMTA Standard Grade II, delivered duty-paid yuan/tonne	49,500-50,000*	0%	19 Dec 18
Arsenic			
MB free market \$/lb	1.20-1.5*	0%	21 Dec 18
Bismuth			
MB free market \$/lb	3.40-3.80*	0%	21 Dec 18
MB China domestic, min 99.99%, yuan/tonne	47,000-49,500*	-1.53% ▼	21 Dec 18
Cadmium			
MB free market min 99.95% cents/lb	117-132*	-2.35% ▼	21 Dec 18
MB free market min 99.99% cents/lb	123-138*	-0.76% ▼	21 Dec 18
Chromium			
MB free market alumino-thermic min 99% \$/tonne	10,100-10,400*	-0.97% ▼	21 Dec 18
Cobalt			
MB free market high-grade \$/lb	26.25-28*	-8.36% ▼	21 Dec 18
MB free market low-grade \$/lb	26.5-28*	-7.63% ▼	21 Dec 18
MB high-grade, weighted average of all confirmed international trades, \$/lb	27.5*	-5.37% ▼	19 Dec 18
MB low-grade, weighted average of all confirmed international trades, \$/lb	28.72*	-5.53% ▼	14 Dec 18
MB China domestic, min 99.8% yuan/tonne	345,000-370,000*	-1.38% ▼	21 Dec 18
Cobalt tetroxide min 72.6% Co delivered China yuan/tonne	250,000-270,000*	-1.89% ▼	21 Dec 18

	Price	Change	Assessed
Gallium			
MB free market \$/kg	165-190*	0%	21 Dec 18
MB China domestic, min 99.99%, yuan/kg	1,020-1,050*	2.99% ▲	19 Dec 18
Germanium			
Germanium dioxide MB free market \$/kg	950-1,150*	0%	21 Dec 18
Germanium metal \$/kg Rotterdam	1,300-1,450*	0%	21 Dec 18
Germanium metal MB China domestic, min 99.99%, yuan/kg	8,000-8,500*	1.23% ▲	19 Dec 18
Hafnium			
Hafnium 1% Zr max, in-warehouse global locations, \$/kg	950-1,050*	0%	21 Dec 18
Indium			
MB free market \$/kg	230-245*	-3.06% ▼	21 Dec 18
MB China domestic, min 99.99% yuan/kg	1,500-1,530*	-1.3% ▼	19 Dec 18
Indium Corp ingots min 99.97% \$/kg fob	440	-40.94% ▼	26 Jun 15
Magnesium			
European free market \$ per tonne	2,750-2,800*	0%	21 Dec 18
China free market min 99.8% Mg, fob China main ports, \$ per tonne	2,630-2,640*	-2.23% ▼	21 Dec 18
MB Chinese free market min 99% Mg, ex-works yuan/tonne	17,300-17,400*	-1.7% ▼	21 Dec 18
Manganese flake			
MB free market \$/tonne	2,150-2,250*	0%	21 Dec 18
Mercury			
MB free market \$ per flask	2,400-2,700*	0%	21 Dec 18
Rhenium in-warehouse Rotterdam duty paid			
Metal pellets, min 99.9% \$/lb	726-775*	0%	21 Dec 18
APR catalytic grade \$/kg Re	1,390-1,580*	0%	21 Dec 18
Selenium			
MB free market \$/lb	12-14*	-3.7% ▼	21 Dec 18
MB China domestic, min 99.9%, yuan/kg	180-245*	-3.41% ▼	21 Dec 18
Selenium dioxide, MB China domestic, min 98%, yuan/kg	105-110*	0%	14 Sep 18
Silicon			
Grade 441, min 99% Si in-warehouse Rotterdam, €/tonne	1,840-1,920*	0%	21 Dec 18
Grade 553, min 98.5% Si in-warehouse Rotterdam, €/tonne	1,780-1,850*	0.55% ▲	21 Dec 18
US free market cents/lb	118-121*	-2.45% ▼	10 Dec 18
Export from mainland China min 98.5%, \$/tonne fob	1,550-1,610*	0%	21 Dec 18
Tellurium			
MB free market \$/kg	60-75*	-3.57% ▼	21 Dec 18
MB China domestic, min 99.99%, yuan/kg	480-500*	0%	21 Dec 18
Titanium			
MB free market ferro-titanium 70% (max 4.5% Al) \$/kg Ti d/d Europe	4.40-4.90*	0%	19 Dec 18
Titanium ores \$/tonne			
Rutile conc min 95% TiO2 bagged, fob/Aus	1,045-1,350	0%	20 Dec 18
Rutile bulk conc min 95% TiO2 fob/Aus	1,000-1,050	0%	20 Dec 18
Ilmenite concentrate, 47-49% TiO2 cif China	164-180	0%	20 Dec 18

† week-on-week change

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NOBLE ALLOYS & ORES			
	Price	Change [†]	Assessed
Molybdenum molybdc oxide			
Europe drummed molybdc oxide \$/lb Mo	12-12.20*	-0.41% ▼	21 Dec 18
US canned molybdc oxide \$/lb Mo	12.10-12.30*	-0.41% ▼	20 Dec 18
Ferro-molybdenum			
Basis 65% min, in-warehouse Rotterdam \$/kg Mo	28-28.30*	-2.6% ▼	21 Dec 18
US free market 65-70% Mo \$/lb in-warehouse Pittsburgh	13.10-13.5*	-1.12% ▼	20 Dec 18
MB Chinese free market concentrate 45% Mo in-warehouse China yuan/mtu	1,990-2,020*	-0.74% ▼	31 Oct 18
Tungsten			
European free market APT \$/mtu	270-285*	-1.77% ▼	21 Dec 18
Export from mainland China APT Chinese No1 grade, min 88.5% W03, S/mtu fob	272-285*	0%	19 Dec 18
MB Chinese free market concentrate 65% W03 in-warehouse China yuan/tonne	96,000-98,000*	-2.02% ▼	19 Dec 18
Ferro-tungsten			
Basis 75% W min \$/kg W in-warehouse Rotterdam duty-unpaid	30.80-32.65*	-1.63% ▼	21 Dec 18
China export min 75% \$/kg W, fob China	33-34*	0%	19 Dec 18
Vanadium			
Ferro-vanadium basis 78% min, fob, China \$/kg V	70-75*	-14.71% ▼	20 Dec 18
Ferro-vanadium basis 78% min, free delivery duty paid consumer plant, 1st grade, Western Europe \$/kg V	70-72*	-23.24% ▼	21 Dec 18
US free market ferro-vanadium \$/lb in-warehouse Pittsburgh	49-52*	0%	20 Dec 18
Vanadium pentoxide 98% min, fob, China \$/lb V2O5	14-16.5*	-19.74% ▼	20 Dec 18
Vanadium pentoxide min 98%, in-warehouse Rotterdam \$/lb V2O5	15-16*	-34.74% ▼	21 Dec 18
Zircon			
Foundry grade bulk \$/tonne fob Australia	950-1,000	0%	01 Feb 18
Premium bulk \$/tonne fob Australia	1,380-1,570	0%	12 Apr 18
BULK ALLOYS			
	Price	Change [†]	Assessed
Ferro-chrome \$/lb Cr			
China import charge chrome 50% Cr index, cif Shanghai, duty-unpaid	0.81*	0%	21 Dec 18
Ferro-Chrome European Benchmark Indicator, Lumpy Cr charge basis 52% (and high carbon), \$ per lb	1.12*	-0.88% ▼	21 Dec 18
Spot 6-8% C basis 50% Cr delivered duty paid China yuan/tonne	6,800-7,000*	0%	21 Dec 18
Contract 6-8% C basis 50% Cr delivered duty paid China yuan/tonne	6,700-6,950*	0%	21 Dec 18
Lumpy Cr charge basis 52% Cr (and high carbon) quarterly	1.12*	-9.68% ▼	18 Dec 18
High carbon 6-8.5% C basis 60-70% Cr max 1.5% Si	0.97-1.03*	-1.96% ▼	21 Dec 18
0.10% C average 60-70% Cr	2.01-2.11*	-2.83% ▼	14 Dec 18
European low carbon in-warehouse 0.06% C max - 65% Cr	2.02-2.14*	-3.93% ▼	14 Dec 18
Low phosphorous Cr min 65% C max 7% Si max 1% p max 0.015% Ti max 0.05%	1.03-1.22*	0%	14 Dec 18
Japan import 8-9% C, basis 60% Cr, cif Japan, duty-unpaid \$/lb contained chrome	0.81-0.85*	0%	20 Dec 18
South Korea import 8-9% C, basis 60% Cr, cif South Korea, duty-unpaid \$/lb contained chrome	0.78-0.80*	0%	20 Dec 18

	Price	Change	Assessed
US free market low carbon duty-paid fob Pittsburgh			
US free market in-warehouse Pittsburgh 6-8% C basis 60-65% Cr max 2% Si	1.050-1.150*	-4.35% ▼	20 Dec 18
0.05% C - 65% min Cr	2.30-2.32*	0%	20 Dec 18
0.10% C - 62% min Cr	2-2.02*	0%	20 Dec 18
0.15% C - 60% min Cr	1.90-1.94*	-0.52% ▼	20 Dec 18
Chrome ore \$/tonne			
<i>Chrome ore cif main Chinese ports</i>			
South African UG2 chrome ore concs, index basis 42%	156*	0%	21 Dec 18
Turkish lumpy 40-42% cfr main Chinese ports	215-225*	0%	21 Dec 18
Ferro-manganese			
basis 78% Mn (scale pro rata) standard 7.5% C €/tonne	1,060-1,100*	0%	21 Dec 18
US free market 78% Mn standard 7.5% C \$/long ton in-warehouse Pittsburgh	1,280-1,350*	-0.94% ▼	20 Dec 18
US free market medium carbon duty-paid fob Pittsburgh, 80% min Mn 1.5% max C \$/lb	1.12-1.15*	0%	20 Dec 18
MB Chinese free market min 65% Mn max 7.0% C in-warehouse China yuan/tonne	7,000-7,200*	-0.7% ▼	21 Dec 18
Manganese ore			
44% Mn, cif Tianjin \$/dmu of metal contained	6.89*	-0.29% ▼	21 Dec 18
37% Mn, fob Port Elizabeth \$/dmu of metal contained	5.56*	1.09% ▲	21 Dec 18
Inventories at the main ports of Tianjin and Qinzhou, million tonnes	2.87-2.90*	8.87% ▲	12 Dec 18
Ferro-nickel			
China premium, 26-32% nickel contained, cif China, \$/tonne	-250--120*	-17.78% ▼	26 Nov 18
Ferro-silicon			
Lumpy basis 75% Si (scale pro rata) €/tonne	1,230-1,280*	-1.57% ▼	21 Dec 18
US free market \$/lb in-warehouse Pittsburgh lumpy basis 75% Si - imported	1-1.03*	-0.49% ▼	20 Dec 18
Export from mainland China, min 75% Si, 7.5% C, \$/tonne, fob	1,260-1,290*	-0.78% ▼	21 Dec 18
MB Chinese free market min 75% Si, in-warehouse China, yuan/tonne	7,000-7,200*	-2.74% ▼	21 Dec 18
Silico-manganese			
Lumpy basis 65-75% Mn basis 15-19% Si (scale pro rata) €/tonne	970-1,020*	0%	21 Dec 18
US free market \$/lb in-warehouse Pittsburgh	0.62-0.64*	0%	20 Dec 18
MB Chinese free market min 65% Mn max 17% Si in-warehouse China yuan/tonne	7,700-8,000*	-3.09% ▼	21 Dec 18
65% min Mn 16% min Si \$/tonne fob India	1,020-1,040*	0%	21 Dec 18

† week-on-week change

continued >



CARBON STEEL - EUROPE			
	Price	Change [†]	Assessed
Northern Europe imports			
<i>Metal Bulletin's appraisal of cfr prices for imported, non-EU origin, commercial-quality carbon steel, € per tonne cfr main EU port</i>			
Rebar	500-505*	0%	19 Dec 18
Wire rod (mesh quality)	520-530*	0%	19 Dec 18
Plate (8-40mm)	570-580*	0%	19 Dec 18
Hot rolled coil	480-490*	-3.48% ▼	19 Dec 18
Cold rolled coil	570-590*	-2.52% ▼	19 Dec 18
Hot-dip galvanized coil	600-620*	-3.94% ▼	19 Dec 18
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	470-500*	-2.02% ▼	19 Dec 18
Wire rod (mesh quality)	520-530*	0%	19 Dec 18
Plate (8-40mm)	560-570*	0%	19 Dec 18
Hot rolled coil	460-470*	-1.06% ▼	19 Dec 18
Cold rolled coil	560-570*	-1.74% ▼	19 Dec 18
Hot-dip galvanized coil	570-580*	-6.5% ▼	19 Dec 18
Southern Europe exports			
<i>Metal Bulletin's appraisal of Southern Europe mills' prices for export outside Southern Europe of commercial-quality carbon steel, € per tonne fob main Southern European port</i>			
Rebar	460-490*	0%	19 Dec 18
Wire rod (mesh quality)	480-500*	0%	19 Dec 18
Northern Europe domestic			
<i>Metal Bulletin's appraisal of prices within the EU (excluding the UK) for commercial-quality carbon steel of EU origin, € per tonne delivered basis point</i>			
Rebar	540-560*	0%	19 Dec 18
Wire rod (mesh quality)	540-560*	0%	19 Dec 18
Sections (medium)	635-650*	0%	19 Dec 18
Beams	620-645*	0%	19 Dec 18
Southern Europe domestic			
<i>Metal Bulletin's appraisal of prices within the EU (excluding the UK) for commercial-quality carbon steel of EU origin, € per tonne delivered basis point</i>			
Rebar	520-540*	-0.93% ▼	19 Dec 18
Wire rod (mesh quality)	540-560*	0%	19 Dec 18
Sections (medium)	630-650*	0%	19 Dec 18
Beams	630-645*	0%	19 Dec 18
Central Europe domestic € per tonne ex-works			
Hot rolled coil	510-520*	-0.96% ▼	19 Dec 18
Poland domestic zloty per tonne ex-works			
Rebar	2,260-2,340*	0%	21 Dec 18
Northern Europe € per tonne ex-works			
Plate (8-40mm)	580-600*	-0.84% ▼	19 Dec 18
Hot rolled coil	520-530*	-1.87% ▼	19 Dec 18
Cold rolled coil	600-625*	0%	19 Dec 18
Hot-dip galvanized coil	620-645*	0.4% ▲	19 Dec 18
Southern Europe € per tonne ex-works			
Plate (8-40mm)	540-550*	0%	19 Dec 18
Hot rolled coil	470-500*	0%	19 Dec 18
Cold rolled coil	560-590*	0%	19 Dec 18
Hot-dip galvanized coil	560-590*	-0.86% ▼	19 Dec 18
CARBON STEEL - NORTH AFRICA			
	Price	Change [†]	Assessed
Algeria imports			
<i>Metal Bulletin's appraisal of cfr prices for imported, EU origin, commercial-quality carbon steel, € per tonne cfr main port</i>			
Rebar	480-490*	0%	03 Oct 18

CARBON STEEL - CIS			
	Price	Change [†]	Assessed
CIS exports (Black Sea)			
<i>Metal Bulletin's appraisal of CIS mills' prices for export outside the CIS of commercial-quality carbon steel, \$ per tonne fob stowed main Black Sea port</i>			
Billet index	418*	-0.95% ▼	21 Dec 18
Slab	415-420*	-3.47% ▼	21 Dec 18
Rebar	455-465*	-3.66% ▼	21 Dec 18
Wire rod (mesh)	485-490*	-2.99% ▼	21 Dec 18
Heavy plate (10-50mm)	545-584*	-4.32% ▼	21 Dec 18
Hot rolled coil	450-470*	-1.6% ▼	21 Dec 18
Cold rolled coil	530-560*	-1.36% ▼	21 Dec 18
CIS domestic			
<i>Metal Bulletin's appraisal of prices within Russia for commercial-quality carbon steel of CIS origin, rubles per tonne, carriage paid to (cpt) inc VAT</i>			
Rebar	35,500-35,500*	-2.07% ▼	21 Dec 18
Hot rolled sheet	39,200-40,000*	0%	21 Dec 18
Cold rolled sheet	46,500-47,000*	0%	21 Dec 18
Plate	39,500-40,000*	0%	21 Dec 18
CARBON STEEL - MIDDLE EAST			
	Price	Change [†]	Assessed
Turkish exports			
<i>Metal Bulletin's appraisal of Turkish mills' prices for export of commercial-quality carbon steel, \$ per tonne fob main Turkish port</i>			
Billet	420-440*	0%	20 Dec 18
Rebar	450-460*	-2.67% ▼	20 Dec 18
Wire rod (mesh quality)	485-490*	0%	20 Dec 18
Merchant bars	575-600*	-2.08% ▼	20 Dec 18
Structural pipe	590-600*	-1.65% ▼	12 Dec 18
Hot rolled coil	490-500*	-3.41% ▼	21 Dec 18
Hot dip galvanized	650-655*	-3.33% ▼	21 Dec 18
Turkish domestic			
<i>Metal Bulletin's appraisal of prices within Turkey for commercial-quality carbon steel of Turkish origin, \$ per tonne ex-works</i>			
Billet	440-445*	-0.56% ▼	20 Dec 18
Rebar	530-545*	-2.27% ▼	16 Aug 18
Wire rod (mesh quality)	560-580*	-2.98% ▼	16 Aug 18
Hot rolled coil	500-510*	-1.94% ▼	21 Dec 18
Cold rolled coil	590-600*	-0.42% ▼	21 Dec 18
Hot dip galvanized	650-660*	-2.96% ▼	21 Dec 18
Prepainted galvanized	725-730*	-3.64% ▼	21 Dec 18
Turkish imports			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr main Turkish port</i>			
Billet	420-440*	-2.27% ▼	20 Dec 18
Hot rolled coil	465-470*	-5.08% ▼	21 Dec 18
Cold rolled coil	560-580*	0%	21 Dec 18
UAE imports			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr Jebel Ali</i>			
Billet	470-480*	0%	18 Dec 18
Rebar	515-525*	0.1% ▲	18 Dec 18
Hot rolled coil	525-530*	0%	18 Dec 18
Cold rolled coil	590-600*	0%	18 Dec 18
Hot dip galvanized coil	640-750*	-0.71% ▼	18 Dec 18
Saudi Arabia imports			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr</i>			
Rebar	570-575*	0%	26 Jun 18
Hot rolled coil	530-540*	0%	18 Dec 18
UAE domestic			
† week-on-week change			continued >



	Price	Change	Assessed
<i>Metal Bulletin's appraisal of prices within UAE for commercial-quality carbon steel of UAE origin, dirhams per tonne ex-works</i>			
Rebar	1,990-2,016*	0%	18 Dec 18
Iran imports			
<i>Metal Bulletin's appraisal of prices quoted by overseas suppliers for commercial-quality carbon steel to Iranian buyers, \$ per tonne cfr Iranian northern ports</i>			
Cold rolled coil	630-640*	0%	29 Aug 18
Hot rolled coil	595-600*	0%	29 Aug 18
Iran exports			
<i>Metal Bulletin's appraisal of prices quoted by overseas suppliers for commercial-quality carbon steel to Iranian buyers, \$ per tonne fob Iranian ports</i>			
Billet	385-390*	-1.27% ▼	19 Dec 18
Slab	385-390*	-0.64% ▼	19 Dec 18
Egyptian domestic			
<i>Metal Bulletin's appraisal of prices within Egypt for commercial-quality carbon steel of Egyptian origin, £ per tonne ex-works</i>			
Rebar	12,180-12,198*	0%	20 Dec 18
Egyptian import			
<i>Metal Bulletin's appraisal of prices for imported commercial-quality carbon steel, \$ per tonne cfr main port</i>			
Billet	440-445*	0%	20 Dec 18
CARBON STEEL - LATIN AMERICA			
	Price	Change†	Assessed
Latin American exports			
<i>Metal Bulletin's appraisal of Latin American mills' prices for export outside Latin America of commercial-quality carbon steel, \$ per tonne fob stowed main Latin American port</i>			
Billet	480-490*	0%	21 Dec 18
Slab, Brazil	430-475*	0%	21 Dec 18
Rebar	560-565*	0%	21 Dec 18
Wire rod mesh quality	560-580*	0%	21 Dec 18
Heavy plate over 10mm	595-610*	-1.23% ▼	21 Dec 18
Hot rolled coil (dry)	500-505*	0%	21 Dec 18
Cold rolled coil	625-630*	0%	21 Dec 18
Galvanized coil	800-810*	0%	21 Dec 18
South America imports			
<i>Metal Bulletin's appraisal of cfr prices for imported, commercial-quality carbon steel, \$ per tonne cfr main ports</i>			
Plate	535-555*	0%	21 Dec 18
Hot rolled coil	510-530*	-0.48% ▼	21 Dec 18
Cold rolled coil	550-575*	-2.6% ▼	21 Dec 18
Galvanized coil	600-610*	0.83% ▲	21 Dec 18
Argentina domestic \$ per tonne ex-works			
<i>Metal Bulletin's appraisal of prices within Argentina for commercial-quality carbon steel, \$ per tonne</i>			
Hot rolled coil	750-755*	0%	14 Dec 18
Cold rolled coil	850-860*	0%	14 Dec 18
Galvanized coil	1,090-1,170*	0%	14 Dec 18
Rebar	850-860*	0%	14 Dec 18
Brazil domestic			
<i>Metal Bulletin's appraisal of prices within Brazil for commercial-quality carbon steel, Reais per tonne ex-works</i>			
Hot rolled coil	2,600-2,700*	-7.83% ▼	07 Dec 18
Cold rolled coil	2,850-2,920*	-9.84% ▼	07 Dec 18
Hot dip galvanized coil	3,250-3,310*	-7.61% ▼	07 Dec 18
<i>Metal Bulletin's appraisal of prices within Brazil for commercial-quality carbon steel, Reais per tonne delivered</i>			
Rebar	2,800-2,860*	0%	07 Dec 18

CARBON STEEL - NAFTA			
	Price	Change†	Assessed
US imports			
<i>Metal Bulletin's appraisal of prices for imported, non-Nafta origin, commercial-quality carbon steel, \$ per short ton cfr port Houston</i>			
Rebar	650-690*	0%	19 Dec 18
Merchant bars	770-800*	0%	30 Nov 18
Wire rod (low carbon)	744-762*	0%	12 Dec 18
Medium sections	780-820*	-12.09% ▼	29 Nov 18
Medium plate	880-900*	0%	12 Dec 18
Hot rolled coil (commodity)	680-720*	-3.45% ▼	12 Dec 18
Cold rolled coil	810-840*	-1.79% ▼	12 Dec 18
Hot dipped galvanized 0.012-0.015, G30	1,060-1,110*	0%	12 Dec 18
ERW linepipe (X42)	1,130-1,300*	-1.62% ▼	27 Nov 18
OCTG API5CT - casing J55	1,075-1,120*	-2.44% ▼	27 Nov 18
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)	700-720*	0%	19 Dec 18
Wire rod (mesh quality fob mill)	765-765*	0%	12 Dec 18
Plate (fob mill)	990-990*	0%	14 Dec 18
Hot rolled sheet index (fob mill)	729-729*	-1.81% ▼	20 Dec 18
Cold rolled sheet (fob mill)	840-840*	-2.33% ▼	20 Dec 18
Hot-dip galvanized (base) Midwest (fob mill)	840-840*	-2.33% ▼	20 Dec 18
OCTG API5CT - casing J55 (fob mill)	1,200-1,250*	-0.81% ▼	27 Nov 18
<i>AMM's appraisal of prices within the USA for commercial-quality carbon steel of US or Canadian origin, \$ per hundredweight, delivery terms as indicated</i>			
Merchant bar 3 x 3 1/4 angle (fob mill)	38.5-38.5*	0%	30 Nov 18
CARBON STEEL - ASIA			
	Price	Change†	Assessed
China exports			
<i>Metal Bulletin's appraisal of Chinese mills prices for export of commercial-quality carbon steel, \$ per tonne fob main China port</i>			
Rebar index	486-486*	1.33% ▲	21 Dec 18
Wire rod (mesh quality)	485-490*	-1.12% ▼	18 Dec 18
Heavy plate	500-508*	-0.2% ▼	18 Dec 18
Hot rolled coil index	482-482*	1.33% ▲	21 Dec 18
Cold rolled coil	520-525*	-1.88% ▼	18 Dec 18
Galvanized coil 1mm	545-545*	-1.8% ▼	18 Dec 18
Eastern China domestic			
<i>Metal Bulletin's appraisal of prices in eastern China for commercial-quality carbon steel of Chinese origin, yuan per tonne ex-warehouse</i>			
Rebar	3,800-3,840*	0%	21 Dec 18
Wire rod (mesh)	3,830-3,880*	0.13% ▲	21 Dec 18
Sections	3,750-3,800*	0%	21 Dec 18
Plate	3,810-3,830*	-0.91% ▼	21 Dec 18
Hot rolled coil (min 2mm)	3,810-3,820*	-0.26% ▼	21 Dec 18
Cold rolled coil (0.5 - 2 mm)	4,220-4,240*	0.36% ▲	21 Dec 18
Hot-dip galvanized coil	4,230-4,310*	-0.35% ▼	21 Dec 18
Northern China domestic			
<i>Metal Bulletin's appraisal of prices in northern China for commercial-quality carbon steel of Chinese origin (Tangshan), yuan per tonne ex-works</i>			
Billet	3,440-3,440*	2.69% ▲	21 Dec 18
<i>Metal Bulletin's appraisal of prices in northern China for commercial-quality carbon steel of Chinese origin, yuan per tonne ex-warehouse</i>			
Hot rolled coil	3,640-3,700*	2.23% ▲	21 Dec 18
Rebar	3,570-3,650*	2.27% ▲	21 Dec 18

† week-on-week change

continued >



	Price	Change	Assessed
Southern China domestic			
<i>Metal Bulletin's appraisal of prices in southern China for commercial-quality carbon steel of Chinese origin, yuan per tonne ex-warehouse</i>			
Rebar	4,250-4,350*	-1.38% ▼	21 Dec 18
Wire rod (mesh)	4,080-4,150*	-0.24% ▼	21 Dec 18
Sections	3,980-4,030*	0%	21 Dec 18
Plate	3,920-3,960*	1.03% ▲	21 Dec 18
Hot rolled coil (min 2mm)	3,930-3,970*	3.13% ▲	21 Dec 18
Cold rolled coil (0.5 - 2 mm)	4,300-4,330*	0.7% ▲	21 Dec 18
Hot-dip galvanized coil	4,210-4,290*	0.59% ▲	21 Dec 18
Southeast Asia imports			
<i>Metal Bulletin's appraisal of prices in Southeast Asia for commercial-quality carbon steel \$ per tonne cfr</i>			
Billet	460-462*	-0.32% ▼	21 Dec 18
Slab (Asia/East Asia)	445-455*	0%	17 Dec 18
Hot rolled coil (Vietnam)	480-490*	-1.02% ▼	17 Dec 18
Rebar (Singapore)	480-490*	-3% ▼	17 Dec 18
Wire rod (low carbon)	498-505*	-1.67% ▼	17 Dec 18
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	430-435*	0%	21 Dec 18
Plate (12-40mm)	560-570*	0%	21 Dec 18
Hot rolled coil (commodity)	510-520*	0%	21 Dec 18
Hot-dip galvanized coil	660-675*	-1.11% ▼	21 Dec 18
Indian imports			
<i>Metal Bulletin's appraisal of prices for imported, non-EU origin, commercial-quality carbon steel, \$ per tonne cfr main India port</i>			
Plate (20-60mm)	530-535*	-3.62% ▼	21 Dec 18
Hot rolled coil (commodity)	510-515*	0%	21 Dec 18
Hot rolled coil (CR grade)	515-520*	0%	21 Dec 18
Cold rolled	560-565*	-1.32% ▼	21 Dec 18
Indian domestic			
<i>Metal Bulletin's appraisal of prices within India for commercial-quality carbon steel, rupees per tonne ex-works</i>			
Billet	30,600-30,800*	-1.29% ▼	21 Dec 18
Heavy plate	43,500-44,000*	0%	21 Dec 18
Hot rolled coil	42,000-42,500*	-2.31% ▼	21 Dec 18
Cold rolled coil	47,500-48,000*	-2.05% ▼	21 Dec 18
DRI	21,100-21,300*	-0.93% ▼	21 Dec 18
Hot-dip galvanized coil	51,000-51,500*	-1.91% ▼	21 Dec 18
Rebar	35,000-35,200*	0%	21 Dec 18
STEELBENCHMARKER™ PRICES			
	Price	Change†	Assessed
Region: USA east of the Mississippi			
Standard plate (\$/metric tonne)	1,087	-2.77% ▼	10 Dec 18
Standard plate (\$/short ton)	986	-2.76% ▼	10 Dec 18
Hot rolled coil (\$/metric tonne)	858	-0.69% ▼	10 Dec 18
Hot rolled coil (\$/short ton)	778	-0.77% ▼	10 Dec 18
Cold rolled coil (\$/metric tonne)	986	-0.5% ▼	10 Dec 18
Cold rolled coil (\$/short ton)	894	-0.56% ▼	10 Dec 18
Region: Mainland China			
Rebar	489	0%	10 Dec 18
Standard plate	471	0.43% ▲	10 Dec 18
Hot rolled coil	458	1.78% ▲	10 Dec 18
Cold rolled coil	536	0.19% ▲	10 Dec 18
Region: World export market			
Hot rolled coil (\$/metric tonne)	512	-3.94% ▼	10 Dec 18

	Price	Change†	Assessed
STAINLESS STEEL			
Asia import			
\$/tonne cif East Asian port			
Grade 304 2mm CR coil 2B	1,860-1,930*	-2.07% ▼	19 Dec 18
Grade 304 HR sheet	2,180-2,280*	-1.76% ▼	04 Jul 18
China domestic			
yuan/tonne, in-warehouse			
Grade 304 2mm CR coil	14,300-14,800*	0.34% ▲	19 Dec 18
Grade 430 2mm CR coil	8,250-8,300*	0.61% ▲	19 Dec 18
EU export			
€/tonne fob N.European port			
Min 100 tonne lot			
Grade 304 2mm CR sheet	2,559-2,634*	-2.42% ▼	27 Jul 18
EU domestic			
2mm 304 cold rolled stainless sheet, €/tonne			
N.Europe Base price	925-985*	0%	21 Dec 18
Alloy surcharge	1,321-1,365*	0%	21 Dec 18
2mm 316 cold rolled stainless sheet, €/tonne			
Base price	1,270-1,320*	0%	21 Dec 18
Alloy surcharge	2,032-2,088*	0%	21 Dec 18
304 stainless steel bright bar, €/tonne			
Base price	1,000-1,050*	0%	21 Dec 18
Alloy surcharge	1,629-1,682*	0%	21 Dec 18
US domestic			
<i>AMM's appraisal of prices within the USA for commercial-quality stainless steel of US or Canadian origin, \$ per hundredweight, fob</i>			
Grade 304 coiled plate	110-110*	-3.51% ▼	10 Dec 18
Grade 316 coiled plate	159-159*	-2.45% ▼	10 Dec 18
Grade 304 cold rolled sheet	125-125*	-3.1% ▼	10 Dec 18
Grade 316L cold rolled sheet	168-168*	-4% ▼	10 Dec 18
Raw materials index			
EU domestic stainless steel \$ per tonne			
304 Europe raw materials index	1,112.78*	-1.86% ▼	17 Dec 18
CHINA IRON ORE			
<i>cfr main China port \$ per dry metric tonne</i>			
	Price	Change†	Assessed
Iron ore index (62% Fe)	72.24*	2.12% ▲	21 Dec 18
Iron ore pellet index cfr Qingdao (65% Fe)	121.49*	2.45% ▲	21 Dec 18
Iron ore concentrate index cfr Qingdao (66% Fe)	90.27*	3.04% ▲	21 Dec 18
Metal Bulletin Indicator for US\$/% Fe in iron ore fines cfr Qingdao	1.10*	-3.51% ▼	03 Dec 18
COKING COAL			
\$ per metric tonne			
	Price	Change†	Assessed
Premium hard coking coal cfr China	201.57-201.57*	-1.82% ▼	21 Dec 18
Hard coking coal cfr China	194.47-194.47*	-1.08% ▼	21 Dec 18
Premium hard coking coal fob Australia	221.32-221.32*	-2.3% ▼	21 Dec 18
Hard coking coal fob Australia	182.83-182.83*	-1.73% ▼	21 Dec 18
China hard coking coal Shanxi spot market domestic delivered yuan/tonne	1,520-1,880*	0%	21 Dec 18
65% CSR coke \$/tonne fob China	355-370*	-0.68% ▼	18 Dec 18
† week-on-week change			

continued >



FERROUS SCRAP			
	Price	Change [†]	Assessed
UK ferrous scrap domestic			
<i>The following is Metal Bulletin's evaluation of UK prices for processed scrap delivered to consumers within the month listed. Prices may vary according to region and destination, and should be read in conjunction with editorial comment on the Ferrous scrap pages.</i>			
<i>£/tonne</i>			
Cut grades			
OA plate and structural	160-185*	-10.39%	▼ 13 Dec 18
1&2 old steel	140-165*	-11.59%	▼ 13 Dec 18
12A/C new production heavy and shovellable steel	180-205*	-9.41%	▼ 13 Dec 18
12D new production heavy and shovellable steel	185-210*	-9.2%	▼ 13 Dec 18
Bales and cuttings			
4A new steel bales	185-210*	-9.2%	▼ 13 Dec 18
4C new steel bales	175-200*	-9.64%	▼ 13 Dec 18
8A new loose light cuttings	170-200*	-9.76%	▼ 13 Dec 18
8B new loose light cuttings	155-185*	-10.53%	▼ 13 Dec 18
Turnings			
UK inter-merchant 7B heavy steel turnings	120-140*	-13.33%	▼ 13 Dec 18
Cast iron			
9A/10 heavy and light cast iron	140-165*	-11.59%	▼ 13 Dec 18
9B/C cylinder block scrap	160-185*	-10.39%	▼ 13 Dec 18
11A cast iron borings	80-100*	-18.18%	▼ 13 Dec 18
<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	65-95*	0%	21 Dec 18
UK ferrous scrap export			
<i>MB assessment \$ fob main UK port</i>			
HMS 1&2 (80:20 mix)	271-273*	-5.88%	▼ 21 Dec 18
Shredded	276-278*	-5.78%	▼ 21 Dec 18
Indian imports			
<i>MB assessment \$/tonne cfr Nhava Sheva</i>			
MB index cfr India shredded	331.98*	-1.64%	▼ 21 Dec 18
HMS 1&2 (80:20 mix)	300-320*	-0.8%	▼ 21 Dec 18
Alloy steel scrap domestic			
<i>UK wholesale merchants' stainless (£/tonne)</i>			
18/8 solids	770-800*	0%	21 Dec 18
18/8 turnings	655-680*	-0.74%	▼ 21 Dec 18
316 solids	1,210-1,270*	0.4%	▲ 21 Dec 18
316 turnings	1,030-1,080*	0.48%	▲ 21 Dec 18
12-13% Cr solids	190-220*	0%	21 Dec 18
16-17% Cr solids	240-270*	0%	21 Dec 18
Cif Europe stainless € per tonne			
18/8 solids	840-870*	-2.29%	▼ 21 Dec 18
18/8 turnings	755-785*	-2.22%	▼ 21 Dec 18
316 solids	1,450-1,480*	-2.66%	▼ 21 Dec 18
316 turnings	1,305-1,330*	-2.59%	▼ 21 Dec 18
Rotterdam export			
<i>MB assessment \$/tonne fob Rotterdam</i>			
MB index fob Rotterdam HMS 1&2 (80:20)	267*	-5%	▼ 21 Dec 18
HMS 1&2 (75:25 mix)	261-263*	-5.76%	▼ 21 Dec 18
Shredded	376-378*	30.9%	▲ 21 Dec 18
Turkish import			
<i>MB assessment \$/tonne cfr main Turkish ports</i>			
<i>MB index cfr Turkey HMS 1&2 (80:20) (North Europe material)</i>			
	284.38*	-5.25%	▼ 21 Dec 18

	Price	Change	Assessed
MB index cfr Turkey HMS 1&2 (80:20) (United States material)	294.04*	-4.5%	▼ 21 Dec 18
HMS 1&2 (75:25 mix)	280-282*	-5.39%	▼ 21 Dec 18
Shredded	295-297*	-3.58%	▼ 21 Dec 18
Turkish domestic			
<i>MB assessment delivered</i>			
Melting scrap from shipbreaking (\$/tonne)	285-295*	-7.2%	▼ 17 Dec 18
Auto bundle scrap (Turkish lira/tonne)	1,490-1,710*	-3.03%	▼ 17 Dec 18
USA export			
<i>AMM ferrous scrap export index \$/tonne East Coast fob New York</i>			
HMS 1&2 (80:20)	302*	0%	19 Dec 18
Shredded	307*	0%	19 Dec 18
USA domestic			
<i>AMM Midwest index \$/gross ton delivered mill</i>			
No1 heavy melting scrap	323.19*	-0.45%	▼ 10 Dec 18
No1 busheling	401.46*	-0.12%	▼ 10 Dec 18
Shredded	349.75*	-0.17%	▼ 10 Dec 18
China domestic			
<i>yuan/tonne delivered mill</i>			
Heavy scrap	2,600-2,750*	4.7%	▲ 21 Dec 18
Taiwan import			
<i>\$/tonne cfr main port</i>			
HMS 1&2 (80:20 mix) (USA material)	275-275*	-2.31%	▼ 21 Dec 18
Vietnam import			
<i>\$/tonne cfr southern Vietnam</i>			
HMS 1&2	316-317*	-1.86%	▼ 21 Dec 18
Germany domestic			
<i>€/tonne composite sales price ex-yard, source: BDSV</i>			
No E2/8 (new steel scrap)	260.5	0.27%	▲ 01 Dec 18
No E1 (old steel scrap)	227.80	-3.23%	▼ 01 Dec 18
No E3 (old thick steel scrap)	255.60	0.08%	▲ 01 Dec 18
No E40 (shredded steel scrap)	260	-0.88%	▼ 01 Dec 18
No E5 (steel turnings)	208.30	-0.43%	▼ 01 Dec 18
<i>MB assessment €/tonne delivered at mill</i>			
Grade E40 (shredded steel scrap)	275-285	-2.61%	▼ 19 Dec 18
No E8 (thin new production steel scrap)	275-285	0%	19 Dec 18
No E3 (old thick scrap)	270-280	-2.65%	▼ 19 Dec 18
Italy domestic			
<i>MB assessment €/tonne delivered at mill</i>			
No E3 (old thick scrap)	270	-1.79%	▼ 19 Dec 18
No E8 (thin new production steel)	280	-0.86%	▼ 19 Dec 18

SCRAP SUBSTITUTES			
	Price	Change [†]	Assessed
EU imports \$/tonne			
Pig iron imports cif Italy	365-375*	-2.37%	▼ 20 Dec 18
Latin American exports \$/tonne, delivery terms as stated			
Hot briquetted iron Venezuela	230-230*	-4.17%	▼ 21 Dec 18
Pig iron fob Vitoria/Rio	335-340*	-1.46%	▼ 21 Dec 18
Pig iron fob Ponta da Maderia	340-357*	-2.79%	▼ 21 Dec 18
US imports \$/tonne cfr Gulf of Mexico			
Pig iron	360-370*	-2.67%	▼ 21 Dec 18
CIS exports \$/tonne fob main port			
Pig iron Baltic Sea	375-380*	0%	20 Dec 18
Pig iron Black Sea	340-355*	-2.8%	▼ 20 Dec 18
China domestic yuan/tonne delivered warehouse			
Pig iron	3,000-3,050*	0%	16 Feb 18

† week-on-week change

continued >



NON-FERROUS SCRAP EUROPE			
	Price	Change†	Assessed
Aluminium			
European free market MB assessment €/tonne			
Floated frag	1,055-1,105*	0%	21 Dec 18
Cast	970-1,010*	0.51% ▲	21 Dec 18
Mixed turnings 6%	820-870*	0.6% ▲	21 Dec 18
Germany per 1000kg			
Pure cuttings	1,310-1,390	-0.74% ▼	19 Dec 18
Commercial cast	1,050-1,170	0%	19 Dec 18
H9 extrusions	1,640-1,740	0%	19 Dec 18
Alloy turnings	730-850	0%	19 Dec 18
<i>Source: VDM</i>			
France per 1000kg			
Pure cuttings	1,520-1,540	0%	18 Dec 18
Old rolled	600-640	1.64% ▲	18 Dec 18
Commercial cast	550-620	1.74% ▲	18 Dec 18
<i>Source: Lettre d'Information Metaux</i>			
Italy per 1000kg			
Pure cuttings	1,040-1,070	0%	14 Dec 18
Old mixed scrap	1,445-1,485	0%	14 Dec 18
Commercial cast	905-940	0.54% ▲	14 Dec 18
<i>Source: Assomet</i>			
Copper			
Germany per 1000kg			
Copper wire (berry)	4,980-5,160	-2.31% ▼	19 Dec 18
Heavy copper	4,640-4,780	-1.67% ▼	19 Dec 18
Heavy brass	3,230-3,470	-2.05% ▼	19 Dec 18
Brass turnings (MS 58)	3,580-3,790	-0.81% ▼	19 Dec 18
Brass sheet (MS 63)	3,700-3,980	-1.16% ▼	19 Dec 18
<i>Source: Verein Deutscher Metallhandler</i>			
France per 1000kg			
Electro cuttings	4,850-4,900	-0.91% ▼	18 Dec 18
No 1 bright wire	4,700-4,750	-0.32% ▼	18 Dec 18
Mixed (96%)	4,350-4,400	-1.13% ▼	18 Dec 18
Brass plate cuttings 70/30	3,700-3,730	-0.54% ▼	18 Dec 18
Brass turnings	3,200-3,250	-1.98% ▼	18 Dec 18
Mixed brass	3,000-3,050	-1.63% ▼	18 Dec 18
<i>Source: Lettre d'Information Metaux</i>			
Italy per 1000kg			
Electrolytic dd EN 12861-S-Cu-2	5,025-5,185	-0.78% ▼	14 Dec 18
Enamelled wire EN 12861-S-Cu-3	4,903-5,065	-0.8% ▼	14 Dec 18
New from tubes, strips etc EN 12861-S-Cu-4	4,927-5,155	-0.79% ▼	14 Dec 18
Old from tubes, strips etc 12861-S-Cu-7	4,755-4,925	-0.82% ▼	14 Dec 18
EN12861-S-Cu-Zn-1-A-Cu 63.5%	3,945-4,060	-0.99% ▼	14 Dec 18
Mixed from valves/taps EN 12861-S-Cu-Zn-6	3,180-3,510	-1.18% ▼	14 Dec 18
Several 95% m/m 12861-S-Cu-Zn-7	3,230-3,310	-1.21% ▼	14 Dec 18
<i>Source: Assomet</i>			

STEELBENCHMARKER™ SCRAP PRICES			
	Price	Change†	Assessed
Region: USA, east of the Mississippi			
Shredded scrap (\$/metric tonne)**	351	-0.85% ▼	10 Dec 18
Shredded scrap (\$/gross ton)**	357	-0.83% ▼	10 Dec 18
No 1 heavy melting scrap (\$/metric tonne)	326	-1.21% ▼	10 Dec 18
No 1 heavy melting scrap (\$/gross ton)	331	-1.19% ▼	10 Dec 18
No 1 busheling scrap (\$/metric tonne)	397	-0.5% ▼	10 Dec 18
No 1 busheling scrap (\$/gross ton)	403	-0.49% ▼	10 Dec 18
**For shredded scrap the region is for all but the West Coast			
UK NON-FERROUS SCRAP			
	Price	Change†	Assessed
Aluminium - actual price			
<i>£ per tonne</i>			
Group 1 pure 99% & Litho	1,360-1,410*	0%	19 Dec 18
Commercial pure cuttings	1,020-1,050*	0%	19 Dec 18
Clean HE9 extrusions	1,340-1,390*	0%	19 Dec 18
Loose old rolled cuttings	710-730*	0%	19 Dec 18
Baled old rolled	780-800*	0%	19 Dec 18
Commercial cast	790-830*	0%	19 Dec 18
Cast wheels	1,200-1,225*	0%	19 Dec 18
Commercial turnings	585-615*	0%	19 Dec 18
Group 7 turnings	480-500*	0%	19 Dec 18
MB and LME aluminium scrap discounts			
<i>£ per tonne</i>			
Group 1 pure 99% & Litho	116-166*	-6.62% ▼	19 Dec 18
Commercial pure cuttings	476-506*	-2% ▼	19 Dec 18
Clean HE9 extrusions	136-186*	-5.85% ▼	19 Dec 18
Loose old rolled cuttings	472-492*	0%	19 Dec 18
Baled old rolled	402-422*	0%	19 Dec 18
Commercial cast	372-412*	0%	19 Dec 18
Cast wheels	-23-2*	0%	19 Dec 18
Commercial turnings	587-617*	0%	19 Dec 18
Group 7 turnings	702-722*	0%	19 Dec 18
Titanium			
<i>\$/lb cif</i>			
Turnings, unprocessed type 90/6/4 (0.5% Sn max)	0.90-1*	0%	19 Dec 18
Turnings, unprocessed 90/6/4 (over 0.5% max 2% Sn)	0.85-0.90*	0%	19 Dec 18
Copper scrap discount			
<i>cents/lb</i>			
No 2 copper (birch/cliff) imported into China 94-96% cif China	28-36*	0%	26 Nov 18
† week-on-week change			

continued >

NON-FERROUS FOUNDRY INGOTS			
	Price	Change ¹	Assessed
Aluminium UK £/tonne			
MB free market			
LM24 pressure diecasting ingot	1,400-1,450*	0%	19 Dec 18
LM6/LM25 gravity diecasting ingot	1,690-1,770*	0%	19 Dec 18
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	1,540-1,580*	2.63% ▲	21 Dec 18
Aluminum US \$/lb delivered Midwest			
A380.1 alloy	0.86-0.88*	0%	20 Dec 18
AFFIMET €/tonne			
AS12	3,669	-2.65% ▼	01 Dec 18
AS12 UN	2,435	-5.44% ▼	01 Dec 18
AS9 U3	1,810	-7.18% ▼	01 Dec 18
AS5 U3	2,160	-6.09% ▼	01 Dec 18
Reflects generally larger traded lots			
VDM €/1000 kg delivered			
DIN 226	2,200-2,300	0.9% ▲	19 Dec 18
DIN 231	2,280-2,380	0.87% ▲	19 Dec 18
DIN 311	2,260-2,360	0.87% ▲	19 Dec 18
Aluminium bronze £/tonne UK			
AB1 ex-works	5,120	0%	18 Dec 18
AB2 ex-works	5,170	0%	18 Dec 18
Source: C.F. Booth Ltd			
Brass UK £/tonne			
SCB3 ex-works	4,230	0%	18 Dec 18
High tensile HTB1 ex-works	4,530	0%	18 Dec 18
Source: C.F. Booth Ltd			
Gunmetal UK £/tonne			
LG2 85/5/5/5 ex-works	4,860	0%	18 Dec 18
LG4 87/7/3/3 ex-works	5,750	0%	18 Dec 18
G1 1.15 PB ex-works	6,370	0%	18 Dec 18
Source: C.F. Booth Ltd			
Phosphor bronze UK £/tonne			
PB1 ex-works	6,920	0%	18 Dec 18
Source: C.F. Booth Ltd			
Phosphor copper £/tonne			
10% P ex-works	6,300	0%	18 Dec 18
15% P ex-works	6,350	0%	18 Dec 18
Source: C.F. Booth Ltd			
Zinc alloys UK £/tonne			
Brock Metal Co contract alloy price (delivered UK)			
Brock Metal ZL3	2,688	5.45% ▲	01 Dec 18
Brock Metal ZL5	2,717	5.47% ▲	01 Dec 18



Monthly averages: November

BASE METALS			
		Low	High
Aluminium			
Aluminium P1020A, in-warehouse Rotterdam premium, duty unpaid, spot \$/tonne		70.91	78.64
Aluminium P1020A, in-warehouse Rotterdam duty paid, spot \$/tonne		125.56	137.78
Alumina			
Index fob Australia		418.79	
Copper			
US High-grade cathode premium indicator, \$/tonne		154.32	165.35
Nickel			
Free market in warehouse premium			
Europe \$/tonne	Uncut cathodes	210	260
	4x4 cathodes	470	520
	Briquettes	242.5	272.5
Tin			
European free market			
Spot Premium 99.9%, \$/tonne		372.5	440
Spot premium 99.85%, \$/tonne		275	300
Kuala Lumpur (ex-smelter), \$/tonne		19,109.5	
MINOR METALS			
Antimony			
MB free marketRegulus 99.65%, max Se 50ppm, in warehouse, \$/tonne		8,061.11	8,266.67
MMTA Standard grade II, \$/tonne		8,000	8,205.56
Bismuth			
MB free market min. 99.99%, tonne lots, in warehouse, \$/lb		3.58	4.01
Cadmium			
MB free market			
min 99.95%, in warehouse, cents/lb		120	135
min 99.99%, in warehouse cents/lb		125	140
Cobalt			
MB free market			
High Grade, in warehouse, \$/lb		33.09	33.97
Low Grade, in warehouse, \$/lb		33.13	33.93
Germanium Dioxide			
MB free market min 99.99%, \$/kg		950	1,150
Rotterdam, \$/kg		1,300	1,450
Indium			
MB free market ingots, min 99.97%, in warehouse, \$/kg		231.11	260
Magnesium			
MB free market min 99.8%, \$/tonne		2,686	2,750
China free market min 99.8%, \$/tonne		2,684	2,712
Mercury			
MB free market min 99.99%, in warehouse, \$/flask		2,575	2,900

	Low	High
Selenium		
MB free market min 99.5% in warehouse, \$/lb	13.94	15
Silicon		
Grade 441, min 99% Si in-warehouse Rotterdam, €/tonne	1,840	1,920
Titanium		
Ferro-Titanium, 70% (max 4.5% Al), d/d Europe, \$/kg	4.65	5.11
ORES & ALLOYS		
	Low	High
Molybdenum		
Free market in warehouse Europe drummed molybdic oxide \$/lb Mo	11.88	12.06
US canned molybdic oxide \$/lb Mo	11.93	12.10
Ferro-molybdenum		
basis 65% min, in-warehouse Rotterdam, \$/kg Mo	28.49	28.88
Tungsten		
European free marketAPT, \$/mtu	275	295
Ferro-tungsten		
basis 75% W min, \$/kg	32.94	33.59
Vanadium		
min 98%, in-warehouse Rotterdam, V2O5, \$/lb	28.10	28.74
Ferro-vanadium		
basis 78% min, free delivery duty paid consumer plant, 1st grade Western Europe, \$/kg V	122.08	125.22
US Free market 70-80%, \$/lb	54.5	56
PRECIOUS METALS		
Gold		
London \$/troy oz	Morning	1,221.28
	Afternoon	1,220.95
London £/troy oz	Morning	947.10
	Afternoon	946.37
\$/troy oz	Handy/Harman	1,220.65
Palladium		
Morning \$/troy oz		1,137.41
Afternoon \$/troy oz		1,141.20
Platinum: per troy oz		
Morning \$/troy oz		847.18
Afternoon \$/troy oz		846.14
Rhodium		
European free market min 99.9% in-warehouse, \$/troy oz	2,454.09	2,554.09
Silver		
London		
spot pence/troy oz		1,113.86
spot cents/troy oz		1,436.68
Handy/Harman cents/troy oz		1,435.34

† week-on-week change

continued >



FOUNDRY INGOTS			
	Low	High	
Aluminium			
LM24, £/tonne	1,410	1,465	
LM6/LM25, £/tonne	1,718.75	1,782.5	
Aluminium Europe €/tonne	1,432	1,490	
Phosphor Bronze			
PB1 ex-works, £/tonne	6,865		
Zinc Alloy			
ZL3, £/tonne	2,549		
EXCHANGE RATES (CLOSING RATES)			
\$/£	1.29		
\$/yen	113.33		
\$/€	1.14		
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Fastmarkets MB monthly average prices are calculated on those price quotations formulated during the month.			
LONDON METAL EXCHANGE			
High, low and average November (22 days)			
LME averages are mean of buyers and sellers except for settlement and 3 months sellers.			
	Jan-Nov 2018 Low \$	High \$	November average \$
Aluminium (\$)			
Cash	1,912	2,600	1,937.23
3 months	1,923.75	2,586.5	1,949.68
Settlement	1,912.5	2,602.5	1,937.75
3 months seller	1,924	2,587	1,950.02
Copper Grade A (\$)			
Cash	5,822.5	7,262	6,192.39
3 months	5,848.5	7,267	6,169.02
Settlement	5,823	7,262.5	6,193
3 months seller	5,849	7,268	6,169.80
Copper Grade A (£)			
Settlement	4,465.44	5,421.80	4,801.54
3 months seller	4,463.76	5,402.51	4,760.45
Lead (\$)			
Cash	1,866.75	2,682.75	1,939.65
3 months	1,886.5	2,655.5	1,962.55
Settlement	1,867	2,683	1,940.16
3 months seller	1,887	2,656	1,963.23
Lead (£)			
Settlement	1,442.71	1,928.42	1,504.22
3 months seller	1,435.34	1,915.31	1,514.75
Nickel (\$)			
Cash	10,705	15,747.5	11,249.20
3 months	10,755	15,785	11,325.23
Settlement	10,710	15,750	11,253.41
3 months seller	10,760	15,790	11,330.23
Tin (\$)			
Cash	18,412.5	22,102.5	19,130
3 months	18,375	21,907.5	19,108.75
Settlement	18,425	22,105	19,139.32
3 months seller	18,400	21,910	19,122.95

	Jan-Nov 2018 Low \$	High \$	November average \$
Zinc (\$)			
Cash	2,286	3,617.5	2,592.28
3 months	2,310.5	3,585.5	2,518.67
Settlement	2,287	3,618	2,592.86
3 months seller	2,311	3,586	2,519.14
Cobalt (\$)			
Cash	44,750	95,250	53,011.36
3 months	45,250	95,250	53,568.18
Settlement	45,000	95,500	53,261.36
3 months seller	45,500	95,500	53,840.91
Molybdenum (\$)			
Cash	15,750	25,000	25,000
3 months	15,750	25,000	25,000
Settlement	16,000	26,000	26,000
3 months seller	16,000	26,000	26,000
Aluminium Alloy (\$)			
Cash	1,260	2,015	1,350.61
3 months	1,335	2,020	1,384.93
Settlement	1,265	2,020	1,355.32
3 months seller	1,340	2,025	1,392.36
Nasaa (\$)			
Cash	1,319.5	2,026.5	1,385.07
3 months	1,355	2,060	1,391.16
Settlement	1,320	2,027	1,388.59
3 months seller	1,360	2,065	1,395.27
LME SETTLEMENT CONVERSION RATES			
\$/£	1.29		
\$/yen	113.31		
\$/€	1.14		