

REFERENCE LIST

Hanger bars



Metallurgical Applications/PSM

Updated: January 22, 2010

Customer	Quantity	Country	Works	Year	Description
Outotec Oyj / Outokumpu Turula	300	Finland	Copper refinery	2010	Hanger bars
Norilsk Nickel Harjavalta Oy	1000	Finland	Nickel refinery	2010	Steel cored copper hanger bars
Boliden Kokkola Oy	1100	Finland	Zinc refinery	2010	Anode hanger bar
Le Plomb Francais	64	France		2010	Horn shape copper hanger bar
Xstrata Nikkelverk AS	1750	Norway	Nickel refinery	2009	Steel cored copper hanger bars
Boliden Odda AS	5000	Norway	Zinc refinery	2009	Steel cored copper hanger bars
Boliden Kokkola Oy	3600	Finland	Zinc refinery	2009	Copper hanger bars
Outotec Oyj / Outokumpu Turula	5510	Finland	Tia Maria -project	2008	Hanger bars
Outotec Oyj / Outokumpu Turula	2505	Finland	Copper refinery	2008	
Norilsk Nickel Harjavalta Oy	2007	Finland	Nickel refinery	2008	Steel cored copper hanger bars
Le Plomb Francais	130	France		2008	Hanger bars
Le Plomb Francais	1246	France		2008	Horn shape hanger bars
Boliden Odda AS	5500	Norway	Zinc refinery	2008	Steel cored copper hanger bars
Boliden Kokkola Oy	525	Finland	Zinc refinery	2008	Silver plated hanger bars
Boliden Kokkola Oy	7000	Finland	Zinc refinery	2007/2008	Copper hanger bars
Boliden Odda AS	2000	Norway	Zinc refinery	2007	Steel cored copper hanger bars
Le Plomb Francais	1110	France		2007	Hanger bars
Le Plomb Francais	12500	France	Las Cruces	2007	Hanger bars
OMG Harjavalta Nickel Oy	440	Finland	Nickel refinery	2007	Copper hanger bars
Xstrata, Falconbridge	2000	Norway	Nickel refinery	2007	Round steel cored copper hanger bars
Outokumpu Technology / Outokumpu Turula	25500	Finland	Copper refinery	2006	Copper hanger bars, several projects
Falconbridge	3000	Norway	Nickel refinery	2006	Round steel cored copper hanger bars
Boliden Odda AS	500	Norway	Zinc refinery	2006	Steel cored copper hanger bars
OMG Harjavalta Nickel Oy	1000	Finland	Nickel refinery	2006	Copper hanger bars
Outokumpu Technology / Outokumpu Turula	475	Finland	Copper refinery	2006	Rusmetal
Falconbridge	3000	Norway	Nickel refinery	2006	Round steel cored copper hanger bars

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Boliden Mineral AB	100	Sweden	Copper refinery	2005	Copper hanger bars
Outokumpu Technology / Outokumpu Turula	53040	Finland	Copper refinery	2005	Copper hanger bars, several projects
Falconbridge	6075	Norway	Nickel refinery	2005	Retangular steel cored copper hanger bars
Metallo-Chimique N.V.	400	Belgium	Copper refinery	2005	Copper hanger bars
Boliden Kokkola	4200	Finland	Zinc refinery	2005	Copper hanger bars
NICICO	3000	Iran	Copper refinery	2005	Copper hanger bars
OMG Harjavalta Nickel Oy	2000	Finland	Nickel refinery	2005	Steel cored copper hanger bars
Boliden Odda AS	2500	Norway	Zinc refinery	2005	Steel cored copper hanger bars
Gumeshevsky		Russia	Copper refinery	2004	Copper hanger bars
Metallo-Chimique N.V.		Belgium	Copper refinery	2004	Copper hanger bars
Umicore Med AD		Bulgaria	Copper refinery	2004	Copper hanger bars
Falconbridge		Norway	Nickel refinery	2004	Round steel cored copper hanger bars
Falconbridge		Norway	Nickel refinery	2004	Retangular steel cored copper hanger bars
Boliden Rönnskär		Sweden	Copper refinery	2004	Copper hanger bars
Boliden Odda AS		Norway	Zinc refinery	2004	Steel cored copper hanger bars
Boliden Harjavalta		Finland	Nickel refinery	2004	Steel cored copper hanger bars
Boliden Kokkola		Finland	Zinc refinery	2004	Copper hanger bars
Sepon Copper		Laos	Copper EW-refinery	2004	Copper hanger bars for lead anodes
Milpillas		Mexico	Copper EW-refinery	2004	Copper hanger bars for lead anodes
Outokumpu Harjavalta Metals Oy		Finland	Nickel refinery	2003	Copper hanger bars
Outokumpu Harjavalta Metals Oy		Finland	Copper refinery	2003	Steel cored copper hanger bars
Outokumpu Zinc Oy		Finland	Zinc refinery	2003	Steel cored and Copper hanger bars, spare parts every year
Boliden Mineral AB		Sweden	Copper refinery	2003	Copper hanger bars
Norzink AS		Norway	Zinc refinery	2003	Steel cored copper hanger bars
Sarcheshmeh Copper Complex		Iran	Copper refinery	2002	Copper hanger bars
WMC/Olympic Dam project		Australia	Copper EW-refinery	2000	Copper hanger bars for lead anodes
Cawse Nickel Project		Australia	Nickel refinery	2000	Steel cored copper hanger bars

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Falconbridge		Norway	Nickel refinery	2000	Steel cored copper hanger bars
Royston Lead Ltd		UK	several Copper refineries	1997-2004	Copper hanger bars for lead anodes (20000 pcs since 1997)
Royston Lead Ltd		UK	Radomiro (Chile), Cu refinery	2000	Copper hanger bars with stainless steel welded hooks for lead anodes
Sociedad Minera Cerro Verde		Peru	Copper refinery	2000	Steel cored copper hanger bars (4300 pcs in 2000)
Glogow		Poland	Copper refinery	1997	Steel cored copper hanger bars
Thatcher Alloys Ltd		UK		1996	Steel cored copper hanger bars