

Manganese On The Tie, Found In 667 Different Particles In 265 Configurations (50 Most Common)										
Overall Rank	1st	2nd	3rd	4th	1st Avg Wt	2nd Avg Wt	3rd Avg Wt	4th Avg Wt	5th+ Avg Wt	Number
290	Fe	Cr	Ni	Mn	69%	16%	11%	2%	1%	66
800	Fe	Ni	Mn	Si	96%	2%	1%	1%	0%	19
863	Fe	Mn	Si		98%	2%	0%	0%	0%	17
910	Fe	Si	Al	Mn	57%	17%	11%	6%	10%	16
913	Fe	Ti	Si	Mn	72%	21%	3%	2%	3%	16
1010	Fe	Si	Mn	Al	77%	7%	5%	3%	8%	14
1064	Fe	Mn	Si	Ca	79%	8%	4%	3%	6%	13
1173	Cl	K	Ni	Mn	51%	48%	1%	0%	0%	11
1180	Fe	Ca	Mn	Si	86%	6%	3%	2%	3%	11
1186	Fe	Si	Ca	Mn	84%	8%	3%	2%	2%	11
1192	Fe	Ti	Mn	Ni	66%	26%	3%	2%	2%	11
1368	Fe	Mn	Al	Si	84%	6%	4%	3%	4%	9
1378	Fe	Ti	Mn	Si	59%	36%	3%	2%	1%	9
1460	Ca	S	Ni	Mn	54%	41%	4%	1%	1%	8
1496	Fe	Ti	Mn	Al	68%	25%	5%	2%	1%	8
1636	Fe	Ni	Si	Mn	94%	2%	1%	1%	1%	7
1643	Fe	Si	Mn	Ca	94%	3%	1%	1%	1%	7
1646	Fe	Ti	Ni	Mn	70%	25%	2%	1%	2%	7
1822	Fe	Mn	Ca	Si	86%	4%	2%	2%	6%	6
1823	Fe	Mn	Si	Al	82%	5%	3%	3%	6%	6
1824	Fe	Mn			99%	1%	0%	0%	0%	6
2065	Fe	Al	Mn	Si	79%	9%	5%	3%	5%	5
2066	Fe	Al	Mn		95%	3%	2%	0%	0%	5
2068	Fe	Al	Ni	Mn	89%	6%	3%	1%	1%	5
2077	Fe	Cr	Mn	Si	93%	5%	1%	1%	0%	5
2086	Fe	Ni	K	Mn	74%	9%	7%	4%	6%	5
2221	Ti	Fe	Mn	Si	48%	39%	6%	3%	4%	5
2222	Ti	Fe	Si	Mn	51%	42%	3%	2%	2%	5
2323	Ca	Ni	Mn	Si	94%	3%	2%	1%	1%	4
2325	Ca	Ni	Si	Mn	93%	3%	2%	1%	1%	4
2342	Ca	S	Si	Mn	55%	44%	1%	1%	0%	4
2412	Fe	Ca	Si	Mn	78%	13%	3%	3%	3%	4
2418	Fe	Cr	Mn	Ni	66%	14%	8%	6%	6%	4
2422	Fe	Cu	Si	Mn	92%	4%	2%	1%	1%	4
2425	Fe	Mn	Si	Mg	97%	2%	1%	0%	0%	4
2427	Fe	Ni	Al	Mn	93%	3%	2%	1%	1%	4
2431	Fe	Ni	Cr	Mn	76%	13%	8%	2%	2%	4
2435	Fe	Ni	Mn	Ca	88%	8%	2%	1%	1%	4
2448	Fe	Si	Mg	Mn	63%	25%	8%	2%	3%	4
2451	Fe	Si	Ni	Mn	90%	5%	2%	1%	1%	4
2455	Fe	Ti	Al	Mn	72%	22%	3%	2%	2%	4
2456	Fe	Ti	Ca	Mn	55%	36%	4%	3%	3%	4
2460	Fe	Zn	Mn	Ca	75%	11%	6%	4%	4%	4
2542	Si	Fe	Al	Mn	35%	24%	18%	7%	15%	4
2622	Zn	Si	Ni	Mn	79%	11%	4%	3%	2%	4
2656	Al	Fe	Si	Mn	63%	26%	4%	2%	4%	3
2752	Ca	Mg	Fe	Mn	70%	18%	7%	2%	3%	3
2886	Fe	Al	Si	Mn	94%	3%	2%	1%	1%	3
2931	Fe	Mn	Ni	Si	91%	5%	2%	1%	1%	3
2932	Fe	Mn	Si	Cl	97%	1%	1%	1%	0%	3