



HSM Wire International, Inc

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www.hsmwire.com

Copper Alloys: Foot per Pound Conversions



Alloy:	280, 464		260, 270, 360, 443		240, 745, 754		226, 230, 651		220, 411, 412, 521		210, 405, 510, 511	
*each alloy has pdf data sheet link.	Density = 0.303 lbs/in ³		Density = 0.307 lbs/in ³		Density = 0.314 lbs/in ³		Density = 0.316 lbs/in ³		Density = 0.318 lbs/in ³		Density = 0.320 lbs/in ³	
Diameter	ft/lbs	lbs/1000 ft	ft/lbs	lbs/1000 ft	ft/lbs	lbs/1000 ft	ft/lbs	lbs/1000 ft	ft/lbs	lbs/1000 ft	ft/lbs	lbs/1000 ft
0.0030	38,908	0.0257	38,401	0.0260	37,545	0.0266	37,307	0.0268	37,072	0.027	36,841	0.0271
0.0040	21,885	0.0457	21,600	0.0463	21,119	0.0474	20,985	0.0477	20,853	0.048	20,723	0.0483
0.0050	14,007	0.0714	13,824	0.0723	13,516	0.0740	13,430	0.0745	13,345	0.0749	13,263	0.0754
0.0060	9,727	0.1028	9,600	0.1042	9,386	0.1065	9,327	0.1072	9,268	0.1079	9,210	0.1086
0.0070	7,146	0.1399	7,053	0.1418	6,896	0.1450	6,852	0.1459	6,809	0.1469	6,767	0.1478
0.0080	5,471	0.1828	5,400	0.1852	5,280	0.1894	5,246	0.1906	5,213	0.1918	5,181	0.193
0.0090	4,323	0.2313	4,267	0.2344	4,172	0.2397	4,145	0.2412	4,119	0.2428	4,093	0.2443
0.0100	3,502	0.2856	3,456	0.2893	3,379	0.2959	3,358	0.2978	3,337	0.2997	3,316	0.3016
0.0110	2,894	0.3455	2,856	0.3501	2,793	0.3581	2,775	0.3604	2,757	0.3627	2,740	0.3649
0.0120	2,432	0.4112	2,400	0.4167	2,347	0.4262	2,332	0.4289	2,317	0.4316	2,303	0.4343
0.0130	2,072	0.4826	2,045	0.4890	1,999	0.5001	1,987	0.5033	1,974	0.5065	1,962	0.5097
0.0140	1,787	0.5597	1,763	0.5671	1,724	0.5801	1,713	0.5837	1,702	0.5874	1,692	0.5911
0.0150	1,556	0.6425	1,536	0.6510	1,502	0.6659	1,492	0.6701	1,483	0.6744	1,474	0.6786
0.0160	1,368	0.7311	1,350	0.7407	1,320	0.7576	1,312	0.7624	1,303	0.7673	1,295	0.7721
0.0170	1,212	0.8253	1,196	0.8362	1,169	0.8553	1,162	0.8607	1,154	0.8662	1,147	0.8716
0.0180	1,081	0.9253	1,067	0.9375	1,043	0.9589	1,036	0.9650	1,030	0.9711	1,023	0.9772
0.0190	970	1.0309	957	1.0445	936	1.0684	930	1.0752	924	1.082	918	1.0888
0.0200	875	1.1423	864	1.1574	845	1.1838	839	1.1913	834	1.1989	829	1.2064
0.0210	794	1.2594	784	1.2760	766	1.3051	761	1.3134	757	1.3217	752	1.3301

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R1.06.23.2013



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0.0220	723	1.3822	714	1.4004	698	1.4324	694	1.4415	689	1.4506	685	1.4597
0.0230	662	1.5107	653	1.5306	639	1.5655	635	1.5755	631	1.5855	627	1.5955
0.0240	608	1.6449	600	1.6666	587	1.7046	583	1.7155	579	1.7264	576	1.7372
0.0250	560	1.7849	553	1.8084	541	1.8497	537	1.8614	534	1.8732	531	1.885
0.0260	518	1.9305	511	1.9560	500	2.0006	497	2.0133	494	2.0261	490	2.0388
0.0270	480	2.0819	474	2.1093	464	2.1574	461	2.1712	458	2.1849	455	2.1987
0.0280	447	2.2389	441	2.2685	431	2.3202	428	2.3350	426	2.3498	423	2.3645
0.0290	416	2.4017	411	2.4334	402	2.4889	399	2.5048	397	2.5206	394	2.5365
0.0300	389	2.5702	384	2.6041	375	2.6635	373	2.6805	371	2.6974	368	2.7144
0.0310	364	2.7444	360	2.7806	352	2.8440	349	2.8621	347	2.8803	345	2.8984
0.0320	342	2.9243	338	2.9629	330	3.0305	328	3.0498	326	3.0691	324	3.0884

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R1.06.23.2013