



HSM Wire International, Inc

Ph: 330-244-8501 Fax: 330-244-8561

www.hsmwire.com



Stainless Steel and Nickel: Foot per Pound Conversions

Stainless Steel PDFs:												
Nickel PDFs:												
Stainless Steel Alloy:	410, 420, 430, 434		310, 310S, 314		302, 304, 316, 317, 321, 347							
Nickel Alloy:					904L		601, GD31Mo		500, 600, 625		200, 201, 205, 400, 276	
*each alloy has pdf data sheet link.	Density = 0.280 lbs/in ³		Density = 0.285 lbs/in ³		Density = 0.290 lbs/in ³		Density = 0.293 lbs/in ³		Density = 0.305 lbs/in ³		Density = 0.321 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	42,103	0.0238	41,365	0.0242	40,652	0.0246	40,235	0.0249	38,652	0.0259	36,726	0.0272
0.0040	23,683	0.0422	23,268	0.0430	22,867	0.0437	22,632	0.0442	21,742	0.0460	20,658	0.0484
0.0050	15,157	0.0660	14,891	0.0672	14,635	0.0683	14,485	0.0690	13,915	0.0719	13,221	0.0756
0.0060	10,526	0.0950	10,341	0.0967	10,163	0.0984	10,059	0.0994	9,663	0.1035	9,181	0.1089
0.0070	7,733	0.1293	7,598	0.1316	7,467	0.1339	7,390	0.1353	7,099	0.1409	6,746	0.1482
0.0080	5,921	0.1689	5,817	0.1719	5,717	0.1749	5,658	0.1767	5,435	0.1840	5,165	0.1936
0.0090	4,678	0.2138	4,596	0.2176	4,517	0.2214	4,471	0.2237	4,295	0.2328	4,081	0.2451
0.0100	3,789	0.2639	3,723	0.2686	3,659	0.2733	3,621	0.2762	3,479	0.2875	3,305	0.3025
0.0110	3,132	0.3193	3,077	0.3250	3,024	0.3307	2,993	0.3341	2,875	0.3478	2,732	0.3661
0.0120	2,631	0.3800	2,585	0.3868	2,541	0.3936	2,515	0.3977	2,416	0.4139	2,295	0.4357
0.0130	2,242	0.4460	2,203	0.4540	2,165	0.4619	2,143	0.4667	2,058	0.4858	1,956	0.5113
0.0140	1,933	0.5172	1,899	0.5265	1,867	0.5357	1,848	0.5413	1,775	0.5634	1,686	0.5930
0.0150	1,684	0.5938	1,655	0.6044	1,626	0.6150	1,609	0.6213	1,546	0.6468	1,469	0.6807
0.0160	1,480	0.6756	1,454	0.6876	1,429	0.6997	1,415	0.7070	1,359	0.7359	1,291	0.7745



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	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
0.0170	1,311	0.7627	1,288	0.7763	1,266	0.7899	1,253	0.7981	1,204	0.8308	1,144	0.8743
0.0180	1,170	0.8550	1,149	0.8703	1,129	0.8856	1,118	0.8947	1,074	0.9314	1,020	0.9802
0.0190	1,050	0.9527	1,031	0.9697	1013	0.9867	1003	0.9969	964	1.0377	916	1.0922
0.0200	947	1.0556	931	1.0745	915	1.0933	905	1.1046	870	1.1499	826	1.2102
0.0210	859	1.1638	844	1.1846	830	1.2054	821	1.2178	789	1.2677	750	1.3342
0.0220	783	1.2773	769	1.3001	756	1.3229	748	1.3366	719	1.3913	683	1.4643
0.0230	716	1.3960	704	1.4210	692	1.4459	685	1.4608	658	1.5207	625	1.6004
0.0240	658	1.5201	646	1.5472	635	1.5744	629	1.5906	604	1.6558	574	1.7426
0.0250	606	1.6494	596	1.6788	585	1.7083	579	1.726	557	1.7966	529	1.8909
0.0260	561	1.7840	551	1.8158	541	1.8477	536	1.8668	515	1.9432	489	2.0452
0.0270	520	1.9238	511	1.9582	502	1.9925	497	2.0132	477	2.0956	453	2.2055
0.0280	483	2.0690	475	2.1059	467	2.1429	462	2.1650	444	2.2537	422	2.3719
0.0290	451	2.2194	443	2.2590	435	2.2987	431	2.3224	414	2.4176	393	2.5444

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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
0.0300	421	2.3751	414	2.4175	407	2.4599	402	2.4854	387	2.5872	367	2.7229
0.0310	394	2.5361	387	2.5814	381	2.6267	377	2.6538	362	2.7625	344	2.9074
0.0320	370	2.7023	364	2.7506	357	2.7988	354	2.8278	340	2.9436	323	3.0980

*To be used as a guideline only

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R1.06.09.2013