

05 05 Common Work Results for Metals

05 05 23 – Metal Fastenings

05 05 23.10 Bolts and Hex Nuts

			Daily Crew	Output	Labor- Hours	Unit	Material	2022 Bare Costs		Total	Total Inc O&P
								Labor	Equipment		
1900	6" long	G	1 Sswk	110	.073	Ea.	2.07	4.50		6.57	9.25
2000	8" long	G		105	.076		3.08	4.71		7.79	10.65
2100	10" long	G		100	.080		3.88	4.95		8.83	11.85
2200	3/4" diameter, 2" long	G		120	.067		1.35	4.12		5.47	7.85
2300	4" long	G		110	.073		1.96	4.50		6.46	9.11
2400	6" long	G		105	.076		2.53	4.71		7.24	10.05
2500	8" long	G		95	.084		3.84	5.20		9.04	12.20
2600	10" long	G		85	.094		5.05	5.80		10.85	14.50
2700	12" long	G		80	.100		5.90	6.20		12.10	16.05
2800	1" diameter, 3" long	G		105	.076		3.51	4.71		8.22	11.10
2900	6" long	G		90	.089		5.35	5.50		10.85	14.35
3000	12" long	G		75	.107		10	6.60		16.60	21
3100	For galvanized, add						75%				
3200	For stainless, add						350%				

05 05 23.25 High Strength Bolts

0010	HIGH STRENGTH BOLTS										
0020	A325 Type 1, structural steel, bolt-nut-washer set										
0100	1/2" diameter x 1-1/2" long	G	1 Sswk	130	.062	Ea.	1.26	3.81		5.07	7.25
0120	2" long	G		125	.064		1.34	3.96		5.30	7.55
0150	3" long	G		120	.067		1.77	4.12		5.89	8.30
0170	5/8" diameter x 1-1/2" long	G		125	.064		2.20	3.96		6.16	8.50
0180	2" long	G		120	.067		2.30	4.12		6.42	8.90
0190	3" long	G		115	.070		2.65	4.30		6.95	9.55
0200	3/4" diameter x 2" long	G		120	.067		2.81	4.12		6.93	9.45
0220	3" long	G		115	.070		3.17	4.30		7.47	10.15
0250	4" long	G		110	.073		3.65	4.50		8.15	10.95
0300	6" long	G		105	.076		4.44	4.71		9.15	12.15
0350	8" long	G		95	.084		7.80	5.20		13	16.55
0360	7/8" diameter x 2" long	G		115	.070		4.33	4.30		8.63	11.40
0365	3" long	G		110	.073		4.85	4.50		9.35	12.30
0370	4" long	G		105	.076		5.55	4.71		10.26	13.35
0380	6" long	G		100	.080		6.65	4.95		11.60	14.90
0390	8" long	G		90	.089		9.70	5.50		15.20	19.10
0400	1" diameter x 2" long	G		105	.076		5.95	4.71		10.66	13.80
0420	3" long	G		100	.080		6.50	4.95		11.45	14.75
0450	4" long	G		95	.084		7.15	5.20		12.35	15.90
0500	6" long	G		90	.089		9	5.50		14.50	18.35
0550	8" long	G		85	.094		14.35	5.80		20.15	25
0600	1-1/4" diameter x 3" long	G	1 Sswk	85	.094	Ea.	11.75	5.80		17.55	22
0650	4" long	G		80	.100		12.55	6.20		18.75	23.50
0700	6" long	G		75	.107		15.40	6.60		22	27
0750	8" long	G		70	.114		18.85	7.05		25.90	31.50
1020	A490, bolt-nut-washer set										
1170	5/8" diameter x 1-1/2" long	G	1 Sswk	125	.064	Ea.	1.99	3.96		5.95	8.30
1180	2" long	G		120	.067		2.16	4.12		6.28	8.75
1190	3" long	G		115	.070		2.40	4.30		6.70	9.30
1200	3/4" diameter x 2" long	G		120	.067		2.95	4.12		7.07	9.60
1220	3" long	G		115	.070		3.29	4.30		7.59	10.25
1250	4" long	G		110	.073		3.65	4.50		8.15	10.95
1300	6" long	G		105	.076		4.84	4.71		9.55	12.60
1350	8" long	G		95	.084		7.45	5.20		12.65	16.20
1360	7/8" diameter x 2" long	G		115	.070		4.56	4.30		8.86	11.65