

05 05 Common Work Results for Metals

05 05 19 – Post-Installed Concrete Anchors

05 05 19.20 Expansion Anchors		Crew	Daily Output	Labor-Hours	Unit	Material	2022 Bare Costs		Total	Total Incl O&P
							Labor	Equipment		
6100	1/2" diameter, short	G 1 Carp	80	.100	Ea.	.71	5.65		6.36	9.20
6200	Long	G	75	.107		1.09	6		7.09	10.15
6300	5/8" diameter, short	G	70	.114		1.06	6.45		7.51	10.75
6400	Long	G	65	.123		1.63	6.95		8.58	12.10
6600	Lead, #6 & #8, 3/4" long	G	260	.031		.22	1.73		1.95	2.82
6700	#10 - #14, 1-1/2" long	G	200	.040		.51	2.25		2.76	3.91
6800	#16 & #18, 1-1/2" long	G	160	.050		.69	2.82		3.51	4.95
6900	Plastic, #6 & #8, 3/4" long		260	.031		.05	1.73		1.78	2.64
7000	#8 & #10, 7/8" long		240	.033		.04	1.88		1.92	2.83
7100	#10 & #12, 1" long		220	.036		.07	2.05		2.12	3.13
7200	#14 & #16, 1-1/2" long		160	.050		.04	2.82		2.86	4.23
8000	Wedge anchors, not including layout or drilling									
8050	Carbon steel, 1/4" diameter, 1-3/4" long	G 1 Carp	150	.053	Ea.	.75	3		3.75	5.30
8100	3-1/4" long	G	140	.057		.98	3.22		4.20	5.85
8150	3/8" diameter, 2-1/4" long	G	145	.055		.43	3.11		3.54	5.10
8200	5" long	G	140	.057		.75	3.22		3.97	5.60
8250	1/2" diameter, 2-3/4" long	G	140	.057		1.13	3.22		4.35	6.05
8300	7" long	G	125	.064		1.93	3.60		5.53	7.45
8350	5/8" diameter, 3-1/2" long	G	130	.062		2.11	3.46		5.57	7.45
8400	8-1/2" long	G	115	.070		4.49	3.92		8.41	10.80
8450	3/4" diameter, 4-1/4" long	G	115	.070		3.41	3.92		7.33	9.60
8500	10" long	G	95	.084		7.75	4.74		12.49	15.60
8550	1" diameter, 6" long	G	100	.080		5.60	4.50		10.10	12.85
8575	9" long	G	85	.094		7.25	5.30		12.55	15.90
8600	12" long	G	75	.107		7.85	6		13.85	17.55
8650	1-1/4" diameter, 9" long	G 1 Carp	70	.114	Ea.	33	6.45		39.45	46
8700	12" long	G "	60	.133	"	42.50	7.50		50	57.50
8750	For type 303 stainless steel, add					350%				
8800	For type 316 stainless steel, add					450%				
8950	Self-drilling concrete screw, hex washer head, 3/16" diam. x 1-3/4" long	G 1 Carp	300	.027	Ea.	.21	1.50		1.71	2.46
8960	2-1/4" long	G	250	.032		.29	1.80		2.09	3
8970	Phillips flat head, 3/16" diam. x 1-3/4" long	G	300	.027		.20	1.50		1.70	2.45
8980	2-1/4" long	G	250	.032		.31	1.80		2.11	3.02

05 05 21 – Fastening Methods for Metal

05 05 21.10 Cutting Steel

0010	CUTTING STEEL									
0020	Hand burning, incl. preparation, torch cutting & grinding, no staging									
0050	Steel to 1/4" thick	E-25	400	.020	L.F.	.64	1.28	.03	1.95	2.72
0100	1/2" thick		320	.025		1.04	1.60	.04	2.68	3.65
0150	3/4" thick		260	.031		1.61	1.97	.05	3.63	4.86
0200	1" thick		200	.040		2.22	2.56	.07	4.85	6.45

05 05 21.15 Drilling Steel

0010	DRILLING STEEL									
1910	Drilling & layout for steel, up to 1/4" deep, no anchor									
1920	Holes, 1/4" diameter	1 Sswk	112	.071	Ea.	.06	4.42		4.48	6.85
1925	For each additional 1/4" depth, add		336	.024		.06	1.47		1.53	2.34
1930	3/8" diameter		104	.077		.07	4.76		4.83	7.45
1935	For each additional 1/4" depth, add		312	.026		.07	1.59		1.66	2.52
1940	1/2" diameter		96	.083		.08	5.15		5.23	8.05
1945	For each additional 1/4" depth, add		288	.028		.08	1.72		1.80	2.74
1950	5/8" diameter		88	.091		.12	5.60		5.72	8.80
1955	For each additional 1/4" depth, add		264	.030		.12	1.87		1.99	3.02