

# 05 05 Common Work Results for Metals

## 05 05 23 – Metal Fastenings

05 05 23.70 Structural Blind Bolts			Daily Crew	Labor- Output	Hours	Unit	Material	2022 Bare Costs Labor	Equipment	Total	Total Incl O&P
0010	STRUCTURAL BLIND BOLTS										
0100	1/4" diameter x 1/4" grip	G	1 Sswk	240	.033	Ea.	.88	2.06		2.94	4.11
0150	1/2" grip	G		216	.037		.93	2.29		3.22	4.53
0200	3/8" diameter x 1/2" grip	G		232	.034		1.71	2.13		3.84	5.07
0250	3/4" grip	G		208	.038		1.73	2.38		4.11	5.53
0300	1/2" diameter x 1/2" grip	G		224	.036		3.87	2.21		6.08	7.61
0350	3/4" grip	G		200	.040		3.87	2.47		6.34	8.01
0400	5/8" diameter x 3/4" grip	G		216	.037		6.05	2.29		8.34	10.22
0450	1" grip	G		192	.042		6.05	2.58		8.63	10.61

## 05 05 23.80 Vibration and Bearing Pads

0010	VIBRATION & BEARING PADS										
0300	Laminated synthetic rubber impregnated cotton duck, 1/2" thick		2 Sswk	24	.667	S.F.	82	41		123	154
0400	1" thick			20	.800		154	49.50		203.50	245
0600	Neoprene bearing pads, 1/2" thick			24	.667		15.30	41		56.30	80.50
0700	1" thick			20	.800		59.50	49.50		109	141
0900	Fabric reinforced neoprene, 5000 psi, 1/2" thick			24	.667		12.10	41		53.10	77
1000	1" thick		2 Sswk	20	.800	S.F.	24	49.50		73.50	103
1200	Felt surfaced vinyl pads, cork and sisal, 5/8" thick			24	.667		39.50	41		80.50	107
1300	1" thick			20	.800		11.20	49.50		60.70	88.50
1500	Teflon bonded to 10 ga. carbon steel, 1/32" layer			24	.667		58	41		99	128
1600	3/32" layer			24	.667		87	41		128	159
1800	Bonded to 10 ga. stainless steel, 1/32" layer			24	.667		103	41		144	177
1900	3/32" layer			24	.667		125	41		166	201
2100	Circular machine leveling pad & stud					Kip	7.10			7.10	7.80

## 05 05 23.85 Weld Shear Connectors

0010	WELD SHEAR CONNECTORS										
0020	3/4" diameter, 3-3/16" long	G	E-10	960	.017	Ea.	1.48	1.05	.55	3.08	3.88
0030	3-3/8" long	G		950	.017		1.55	1.06	.55	3.16	3.99
0200	3-7/8" long	G		945	.017		1.67	1.07	.56	3.30	4.00
0300	4-3/16" long	G		935	.017		1.75	1.08	.56	3.39	4.21
0500	4-7/8" long	G		930	.017		1.95	1.08	.56	3.59	4.44
0600	5-3/16" long	G		920	.017		2.03	1.09	.57	3.69	4.55
0800	5-3/8" long	G		910	.018		2.05	1.11	.58	3.74	4.55
0900	6-3/16" long	G		905	.018		2.24	1.11	.58	3.93	4.88
1000	7-3/16" long	G		895	.018		2.79	1.13	.59	4.51	5.44
1100	8-3/16" long	G		890	.018		3.06	1.13	.59	4.78	5.77
1500	7/8" diameter, 3-11/16" long	G		920	.017		2.08	1.09	.57	3.74	4.66
1600	4-3/16" long	G		910	.018		2.23	1.11	.58	3.92	4.77
1700	5-3/16" long	G		905	.018		2.53	1.11	.58	4.22	5.11
1800	6-3/16" long	G		895	.018		2.83	1.13	.59	4.55	5.55
1900	7-3/16" long	G		890	.018		3.14	1.13	.59	4.86	5.89
2000	8-3/16" long	G		880	.018		3.43	1.14	.60	5.17	6.22

## 05 05 23.87 Weld Studs

0010	WELD STUDS										
0020	1/4" diameter, 2-11/16" long	G	E-10	1120	.014	Ea.	.43	.90	.47	1.80	2.33
0100	4-1/8" long	G		1080	.015		.40	.93	.49	1.82	2.44
0200	3/8" diameter, 4-1/8" long	G		1080	.015		.79	.93	.49	2.21	2.88
0300	6-1/8" long	G		1040	.015		1.03	.97	.50	2.50	3.11
0400	1/2" diameter, 2-1/8" long	G		1040	.015		.68	.97	.50	2.15	2.77
0500	3-1/8" long	G		1025	.016		.83	.98	.51	2.32	2.99
0600	4-1/8" long	G		1010	.016		.96	1	.52	2.48	3.11