

03 15 Concrete Accessories

03 15 16 – Concrete Construction Joints

03 15 16.30 Expansion Joints

		Crew	Daily Output	Labor-Hours	Unit	Material	2022 Bare Costs Labor	Equipment	Total	Total Incl O&P
3750	Polyurethane foam, regular, closed cell, 1/2" x 6"	1 Carp	375	.021	L.F.	1.06	1.20		2.26	2.96
3800	1" x 12"		300	.027		3.79	1.50		5.29	6.40
4000	Polyvinyl chloride foam, closed cell, 1/2" x 6"		375	.021		2.88	1.20		4.08	4.96
4050	1" x 12"		300	.027		9.95	1.50		11.45	13.15
4250	Rubber, gray sponge, 1/2" x 6"		375	.021		2.42	1.20		3.62	4.45
4300	1" x 12"		300	.027		8.70	1.50		10.20	11.85
4400	Redwood heartwood, 1" x 4"		400	.020		3.28	1.13		4.41	5.30
4450	1" x 6"		375	.021		4.80	1.20		6	7.10
5000	For installation in walls, add						75%			
5250	For installation in boxouts, add						25%			

03 15 19 – Cast-In Concrete Anchors

03 15 19.05 Anchor Bolt Accessories

0010 ANCHOR BOLT ACCESSORIES

0015 For anchor bolts set in fresh concrete, see Section 03 15 19.10

8150	Anchor bolt sleeve, plastic, 1" diameter bolts	1 Carp	60	.133	Ea.	9.20	7.50		16.70	21.50
8500	1-1/2" diameter		28	.286		14.40	16.10		30.50	40
8600	2" diameter		24	.333		16.55	18.75		35.30	46
8650	3" diameter		20	.400		42	22.50		64.50	79.50

03 15 19.10 Anchor Bolts

0010 ANCHOR BOLTS

0015 Made from recycled materials

0025 Single bolts installed in fresh concrete, no templates

0030	Hooked w/nut and washer, 1/2" diameter, 8" long	G	1 Carp	132	.061	Ea.	2.23	3.41	5.64	7.55
0040	12" long	G		131	.061		2.48	3.44	5.92	7.85
0050	5/8" diameter, 8" long	G		129	.062		3.06	3.49	6.55	8.55
0060	12" long	G		127	.063		3.76	3.55	7.31	9.45
0070	3/4" diameter, 8" long	G		127	.063		3.76	3.55	7.31	9.45
0080	12" long	G		125	.064		4.70	3.60	8.30	10.50
0090	2-bolt pattern, including job-built 2-hole template, per set									
0100	J-type, incl. hex nut & washer, 1/2" diameter x 6" long	G	1 Carp	21	.381	Set	8.80	21.50	30.30	41.50
0110	12" long	G		21	.381		9.80	21.50	31.30	43
0120	18" long	G		21	.381		11.30	21.50	32.80	44.50
0130	3/4" diameter x 8" long	G		20	.400		12.40	22.50	34.90	47
0140	12" long	G		20	.400		14.25	22.50	36.75	49
0150	18" long	G		20	.400		17.10	22.50	39.60	52.50
0160	1" diameter x 12" long	G		19	.421		33	23.50	56.50	71.50
0170	18" long	G		19	.421		38.50	23.50	62	78
0180	24" long	G		19	.421		46	23.50	69.50	86
0190	36" long	G	1 Carp	18	.444	Set	61	25	86	105
0200	1-1/2" diameter x 18" long	G		17	.471		52.50	26.50	79	97.50
0210	24" long	G		16	.500		62	28	90	110
0300	L-type, incl. hex nut & washer, 3/4" diameter x 12" long	G		20	.400		19.75	22.50	42.25	55
0310	18" long	G		20	.400		24	22.50	46.50	60
0320	24" long	G		20	.400		28	22.50	50.50	64.50
0330	30" long	G		20	.400		34.50	22.50	57	71.50
0340	36" long	G		20	.400		38.50	22.50	61	76
0350	1" diameter x 12" long	G		19	.421		30	23.50	53.50	68.50
0360	18" long	G		19	.421		36	23.50	59.50	75.50
0370	24" long	G		19	.421		43.50	23.50	67	83.50
0380	30" long	G		19	.421		50.50	23.50	74	91
0390	36" long	G		18	.444		57	25	82	99.50
0400	42" long	G		18	.444		68	25	93	112