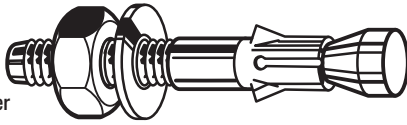




## Wedge Anchors

- Include nuts and washer
- Non-seismic



Anchor Dia.	Anchor Length	Max. Work Thickness	Ultimate Tension in 4000 psi Concrete (lb.)	STEEL			STAINLESS STEEL		
				Thread Length	Item No.	Pkg. Qty.	Thread Length	Item No.	Pkg. Qty.
1/4 in	1 3/4 in	1/2 in	1,870 lb	3/8 in	31JP09	50	1 1/2 in	31JP45	50
	2 1/4 in	3/4 in	1,870 lb	1 1/4 in	31JP10	50	1 3/4 in	31JP46	50
	3 1/4 in	1 1/8 in	1,870 lb	2 1/4 in	31JP11	50	2 1/2 in	31JP47	50
3/8 in	3 1/2 in	1 1/2 in	2,530 lb	—	—	—	2 1/2 in	31JP48	25
	2 1/4 in	3/4 in	3,300 lb	3/4 in	31JP12	25	3/4 in	31JP48	25
	2 3/4 in	3/4 in	3,300 lb	1 1/4 in	31JP13	25	1 1/4 in	31JP49	25
1/2 in	3 in	3/4 in	3,300 lb	1 1/2 in	31JP14	10	1 1/2 in	31JP50	10
	3 3/4 in	1 1/8 in	3,300 lb	2 1/4 in	31JP15	10	2 1/4 in	31JP51	10
	5 in	2 3/8 in	3,300 lb	3 1/2 in	31JP16	10	3 1/2 in	31JP52	10
5/8 in	2 3/4 in	1/2 in	5,280 lb	1 in	31JP17	10	1 in	31JP53	10
	3 3/4 in	1 1/8 in	5,280 lb	2 in	31JP18	10	2 in	31JP54	10
	4 1/4 in	3/4 in	5,280 lb	2 1/2 in	31JP19	10	2 1/2 in	31JP55	10
3/4 in	4 1/2 in	1 1/2 in	5,280 lb	2 3/4 in	31JP20	10	—	—	—
	5 1/2 in	2 in	5,280 lb	3 3/4 in	31JP21	5	3 3/4 in	31JP56	5
	7 in	3 1/8 in	5,280 lb	5 1/4 in	31JP22	5	5 1/4 in	31JP57	5
1 in	8 1/2 in	3 1/8 in	5,280 lb	6 3/4 in	31JP23	5	—	—	—

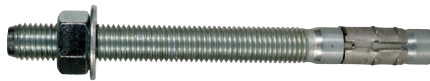
Anchor Dia.	Anchor Length	Max. Work Thickness	Ultimate Tension in 4000 psi Concrete (lb.)	STEEL			STAINLESS STEEL		
				Thread Length	Item No.	Pkg. Qty.	Thread Length	Item No.	Pkg. Qty.
3/8 in	3 1/2 in	1/2 in	7,480 lb	1 1/2 in	31JP24	5	2 1/8 in	31JP58	5
	4 1/2 in	3/4 in	7,480 lb	2 3/8 in	31JP25	5	3 1/8 in	31JP59	5
	5 in	1 1/8 in	7,480 lb	2 3/8 in	31JP26	2	4 1/8 in	31JP60	2
1/2 in	6 in	2 in	7,480 lb	3 1/8 in	31JP27	2	4 1/8 in	31JP60	2
	7 in	3 1/8 in	7,480 lb	4 1/8 in	31JP28	2	6 1/8 in	31JP61	2
	8 1/2 in	3 1/8 in	7,480 lb	6 1/8 in	31JP29	2	—	—	—
3/4 in	10 in	3 1/8 in	7,480 lb	7 1/8 in	31JP30	2	—	—	—
	4 1/4 in	3/4 in	11,880 lb	1 3/4 in	31JP31	2	1 3/4 in	31JP62	2
	4 3/4 in	1 in	11,880 lb	2 1/4 in	31JP32	2	2 1/4 in	31JP63	2
1 in	5 1/2 in	1 1/8 in	11,880 lb	3 in	31JP33	2	3 in	31JP64	2
	6 1/4 in	1 3/4 in	11,880 lb	3 3/4 in	31JP34	2	—	—	—
	7 in	2 in	11,880 lb	4 1/2 in	31JP35	2	4 1/2 in	31JP65	2
1 1/4 in	8 1/2 in	3 1/8 in	11,880 lb	6 in	31JP36	2	6 in	31JP66	2
	10 in	3 1/8 in	11,880 lb	7 1/2 in	31JP37	2	—	—	—
	12 in	3 1/8 in	11,880 lb	3 3/4 in	31JP38	2	—	—	—
1 1/2 in	12 in	4 in	11,880 lb	—	—	—	3 1/4 in	31JP67	2
	6 in	1 1/2 in	12,980 lb	3 1/2 in	31JP39	2	—	—	—
	8 in	3 1/8 in	12,980 lb	3 3/8 in	31JP40	2	—	—	—
1 3/4 in	10 in	3 1/8 in	12,980 lb	3 3/8 in	31JP41	2	—	—	—
	6 in	1 in	15,840 lb	2 1/2 in	31JP42	1	2 1/2 in	31JP68	1
	9 in	4 in	15,840 lb	3 3/8 in	31JP43	1	3 3/8 in	31JP69	1
2 in	12 in	4 in	15,840 lb	3 3/8 in	31JP44	1	—	—	—

## Strong-Bolt 2 Seismic Wedge Anchors

- Category 1 Anchor Classification
- Static tension and shear loading in cracked and uncracked concrete

Use in all structural applications, including racking, equipment shelving, bracing, and seating. Use in static, seismic, and wind loading applications. Comply with ICC-ES ESR-3037.

Tested per ICC-ES AC193 to meet current cracked concrete anchor codes.



Tension in Uncracked Concrete (lb.)	Tension in Cracked Concrete (lb.)	Shear in Uncracked Concrete (lb.)		Shear in Cracked Concrete (lb.)		Min. Embedment	Overall Length	Max. Work Thickness	Thread Length	Item No.	Pkg. Qty.
		2500 psi	6500 psi	2500 psi	6500 psi						
970	1560	570	920	790	790	1 1/2 in	2 3/4 in	3/8 in	1 3/4 in	13N542	50
1465	2365	1220	1965	790	790	1 1/2 in	3 1/2 in	1 1/8 in	2 1/2 in	13N544	50
						2 1/8 in	3 3/4 in	3/8 in	2 1/2 in	13N545	50
						2 1/8 in	5 in	1 1/8 in	3 3/8 in	13N546	50
						2 1/8 in	7 in	3 3/8 in	5 3/8 in	13N547	50
1585	2560	1260	2030	1790	2885	2 3/4 in	4 3/4 in	1 1/4 in	3 1/2 in	24C192	25
2310	3720	1640	2645	3180	3180	2 3/4 in	3 3/4 in	1 1/2 in	2 1/2 in	13A980	25
						3 3/8 in	10 in	5 3/8 in	6 in	13A979	25
						7 3/4 in	5 1/2 in	1 1/8 in	3 1/8 in	13A982	25
2405	3875	1700	2745	4845	4845	7 3/4 in	7 in	2 3/8 in	5 3/8 in	13A983	25
						5 1/8 in	8 1/2 in	2 3/4 in	6 in	13A984	25
						5 1/8 in	10 in	4 1/4 in	6 in	13A985	10
2765	4460	1960	3160	4320	4320	4 1/8 in	5 1/2 in	1 3/8 in	3 3/8 in	13A992	10
3500	5645	3530	5695	4320	4320	4 1/8 in	6 1/4 in	1 3/8 in	3 3/8 in	13A993	10
						5 3/4 in	10 in	3 1/2 in	6 in	13A991	10
						5 3/4 in	7 in	3 1/2 in	4 1/4 in	13A994	10
3105	5010	2860	4615	6090	6090	5 3/4 in	7 in	3 3/4 in	3 1/2 in	13A978	5
3600	5805	4155	6700	6090	6090	5 3/4 in	10 in	3 3/4 in	3 1/2 in	13A976	5
						9 3/4 in	13 in	2 1/4 in	3 1/2 in	13A977	5



## Seismic Wedge Anchors

- Zinc-plated carbon steel

Use in Category 1 cracked and uncracked concrete. Include nut and washer. Meet or exceed IBC, IRC, and Florida Building Code. UL Listed; FM Approved.

Anchor Dia.	Min. Embedment	In 4000 psi Concrete Ultimate Tension (lb.)	Concrete Ultimate Shear (lb.)	Thread Length	Item No.	Pkg. Qty.
3/8 in	1 1/8 in	3100	2540	1/2 in	46U118	100
1/2 in	2 1/4 in	4500	4195	3/4 in	46U119	100
5/8 in	2 3/4 in	6285	6815	3/4 in	—	—
3/4 in	3 in	9075	12,685	3/2 in	—	—
1 in	4 1/2 in	15,125	11,690	1 in	—	—
1 1/4 in	5 1/8 in	20,915	21,155	1 1/4 in	—	—
1 1/2 in	5 1/8 in	28,440	29,105	—	—	—
1/4 in	1 1/8 in	3/4 in	46U117	100	—	—
2 1/4 in	1 1/8 in	1 1/4 in	46U118	100	—	—
3 1/4 in	1 1/8 in	2 1/4 in	46U119	100	—	—
3/8 in	1 1/8 in	1 1/8 in	46U120	50	—	—
2 3/4 in	1 1/8 in	1 3/8 in	46U121	50	—	—
3 in	1 1/8 in	1 5/8 in	46U122	50	—	—
3 1/2 in	1 1/8 in	2 1/8 in	46U123	50	—	—
3 3/4 in	1 1/8 in	2 3/8 in	46U124	50	—	—
5 in	1 1/8 in	3 3/8 in	46U125	50	—	—
7 in	1 1/8 in	5 3/8 in	46U126	50	—	—
2 3/4 in	2 1/4 in	1 in	46U127	50	—	—
3 3/4 in	2 1/4 in	2 in	46U128	50	—	—
4 1/2 in	2 1/4 in	2 3/4 in	46U129	50	—	—
5 1/2 in	2 1/4 in	3 3/4 in	46U130	50	—	—
7 in	2 1/4 in	5 3/4 in	46U131	25	—	—
8 1/2 in	2 1/4 in	6 3/4 in	46U132	25	—	—
10 in	2 1/4 in	8 3/4 in	46U133	25	—	—
3 1/2 in	2 3/4 in	1 1/2 in	46U134	25	—	—
4 1/2 in	2 3/4 in	2 1/2 in	46U135	25	—	—
5 in	2 3/4 in	3 in	46U136	25	—	—
6 in	2 3/4 in	4 in	46U137	25	—	—
7 in	2 3/4 in	5 in	46U138	25	—	—
8 1/2 in	2 3/4 in	6 1/2 in	46U139	25	—	—
10 in	2 3/4 in	8 in	46U140	25	—	—
4 1/4 in	3 3/8 in	1 3/4 in	46U141	20	—	—
4 3/4 in	3 3/8 in	2 1/4 in	46U142	20	—	—
5 1/2 in	3 3/8 in	3 in	46U143	20	—	—
6 1/4 in	3 3/8 in	3 3/4 in	46U144	20	—	—
7 in	3 3/8 in	4 1/2 in	46U145	20	—	—
8 1/2 in	3 3/8 in	6 in	46U146	10	—	—
10 in	3 3/8 in	7 1/2 in	46U147	10	—	—
12 in	3 3/8 in	9 1/2 in	46U149	10	—	—
6 in	3 1/2 in	2 3/4 in	46U148	10	—	—
8 in	3 1/2 in	4 3/4 in	46U150	10	—	—
10 in	3 1/2 in	6 3/4 in	46U151	10	—	—
6 in	4 1/2 in	2 3/8 in	46U152	10	—	—
9 in	4 1/2 in	5 3/8 in	46U153	10	—	—
12 in	4 1/2 in	8 3/8 in	46U154	5	—	—

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