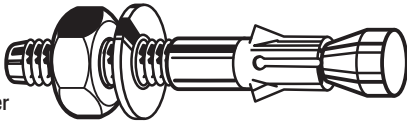




Wedge Anchors

- 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	—	—	—
	2 1/4 in	3/4 in	1,870 lb	1 1/4 in	31JP10	50	1 1/2 in	31JP45	50
	3 1/4 in	1 1/8 in	1,870 lb	2 1/4 in	31JP11	50	2 1/2 in	31JP46	50
3/8 in	3 1/2 in	1 1/2 in	2,530 lb	—	—	—	2 1/4 in	31JP47	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 1/4 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 1/2 in	5,280 lb	5 1/4 in	31JP22	5	5 1/4 in	31JP57	5
1 in	8 1/2 in	3 1/2 in	5,280 lb	6 3/4 in	31JP23	5	—	—	—

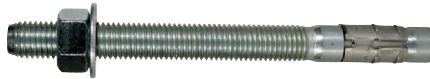
Anchor Dia.	Anchor Length	Max. Work Thickness	Ultimate Tension in 4000 psi Concrete (lb.)	STEEL			STAINLESS STEEL		
				Thread Length	Item No.	Pkg. Qty.	Thread Length	Item No.	Pkg. Qty.
5/8 in	3 1/2 in	1/2 in	7,480 lb	1 1/2 in	31JP24	5	—	—	—
	4 1/2 in	3/4 in	7,480 lb	2 1/2 in	31JP25	5	2 1/2 in	31JP58	5
	5 in	1 1/8 in	7,480 lb	3 in	31JP26	2	3 3/8 in	31JP59	2
	6 in	2 in	7,480 lb	3 1/2 in	31JP27	2	4 1/8 in	31JP60	2
	7 in	3 1/8 in	7,480 lb	4 1/2 in	31JP28	2	5 1/8 in	31JP61	2
	8 1/2 in	3 3/8 in	7,480 lb	6 1/2 in	31JP29	2	—	—	—
3/4 in	10 in	3 1/2 in	7,480 lb	7 1/2 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
	5 1/2 in	1 1/4 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
1/2 in	8 1/2 in	3 1/8 in	11,880 lb	6 in	31JP36	2	6 in	31JP66	2
	10 in	3 3/8 in	11,880 lb	7 1/2 in	31JP37	2	—	—	—
	12 in	3 1/2 in	11,880 lb	3 3/4 in	31JP38	2	—	—	—
	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 1/2 in	12,980 lb	3 3/8 in	31JP40	2	—	—	—
3/8 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
1 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.



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.	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	2500 psi	6500 psi	2500 psi	6500 psi						
3/8 in	970	1560	570	920	790	790	740	790	1 1/2 in	2 3/4 in	3/8 in	1 3/4 in	13N542	50
									1 1/2 in	3 1/2 in	1 1/8 in	2 1/2 in	13N544	50
									2 1/2 in	5 in	1 1/2 in	3 3/4 in	13N545	50
									2 1/2 in	7 in	3 3/8 in	5 3/8 in	13N547	50
1/2 in	1585	2560	1260	2030	1915	3090	1275	2060	2 3/4 in	4 3/4 in	1 1/4 in	3 1/2 in	24C192	25
	1590	—	—	—					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 5/8 in	6 in	13A979	25
									7 3/4 in	5 1/2 in	1 1/2 in	3 1/2 in	13A982	25
5/8 in	2310	3720	1640	2645	3180	3180	3180	3180	7 3/4 in	7 in	2 3/8 in	5 5/8 in	13A983	25
									7 3/4 in	8 1/2 in	4 1/8 in	6 in	13A984	25
									3 3/8 in	4 1/2 in	1 1/2 in	2 1/2 in	13A986	20
									3 3/8 in	5 in	1 in	2 1/2 in	13A987	20
3/4 in	2405	3875	1700	2745	4845	4845	3665	4845	5 1/2 in	6 in	1 1/4 in	3 1/2 in	13A988	20
									5 1/2 in	7 in	1 1/4 in	4 1/2 in	13A989	20
									5 1/2 in	8 1/2 in	2 3/4 in	6 in	13A990	20
									5 1/2 in	10 in	4 1/4 in	6 in	13A985	10
1/2 in	2765	4460	1960	3160	4320	4320	4320	4320	4 1/2 in	5 1/2 in	1 1/2 in	3 1/2 in	13A992	10
									4 1/2 in	6 1/4 in	1 3/8 in	3 1/2 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 1/2 in	13A994	10
1 in	3500	5645	3530	5695	6090	6090	6090	6090	5 3/4 in	8 1/2 in	2 in	6 in	13N541	10
	3105	5010	2860	4615					5 1/4 in	7 in	3/4 in	3 1/2 in	13A978	5
	3600	5805	4155	6700					5 1/4 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					

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Anchor Dia.	Min. Embedment	In 4000 psi Concrete		
		Ultimate Tension (lb.)	Ultimate Shear (lb.)	
1/4 in	1 1/8 in	1660	1255	
3/8 in	1 5/8 in	3100	2540	
1/2 in	2 1/4 in	4500	4195	
5/8 in	2 3/4 in	6285	6815	
3/4 in	3 3/8 in	9075	12,685	
7/8 in	3 1/2 in	15,125	11,690	
1 in	4 1/2 in	20,915	21,155	
1 1/4 in	5 3/8 in	28,440	29,105	
Anchor Length	Min. Embedment	Thread Length	Item No.	Pkg. Qty.
1/4 in Anchor Dia., 1/4"-20 Thread				
1 3/4 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 Anchor Dia., 3/8"-16 Thread				
2 1/4 in	1 1/2 in	1 1/2 in	46U120	50
2 3/4 in	1 1/2 in	1 3/8 in	46U121	50
3 in	1 1/2 in	1 5/8 in	46U122	50
3 1/2 in	1 1/2 in	2 1/8 in	46U123	50
3 3/4 in	1 1/2 in	2 3/8 in	46U124	50
5 in	1 1/2 in	3 3/8 in	46U125	50
7 in	1 1/2 in	5 3/8 in	46U126	50
1/2 in Anchor Dia., 1/2"-13 Thread				
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	4 1/2 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
5/8 in Anchor Dia., 5/8"-11 Thread				
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
3/4 in Anchor Dia., 3/4"-10 Thread				
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
1/2 in Anchor Dia., 1/2"-9 Thread				
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
1 in Anchor Dia., 1"-8 Thread				
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