Drop-In Style Anchors

(Internal View)

DROP-IN ANCHORS

FF-S-325 Group VIII, Type 1

Anchor Size/ Bolt Size	Hole Diameter	T Thread Length	Minimum Embedment	Ultimate Tensile (lbs.) 4000 psi. Concrete	Ultimate Shear (lbs.) 4000 psi. Concrete
1/4	3/8	1/2	1	2067	1321
3/8	1/2	5/8	1 9/16	3995	3714
1/2	5/8	3/4 - 1 3/16	2	4110	5854
5/8	7/8	1 - 1 3/16	2 1/2	5750	8754
3/4	1	1 3/16 - 1 1/4	3 3/16	10,807	11,627

Description	A two-piece, internally threaded expansion anchor with four equally-spaced longitudinal slots extending from the bottom end of the outer shield, inside of which sits a pre-assembled dilating plug. The bottom lip of the anchor is tapered. It is permissible for a section of the shield to be knurled, to increase the gripping action of the anchor.	
Applications/ Advantages	Intended for flush mounted, medium to heavy-duty applications in solid materials such as stone and concrete. It can be used in, but are not limited to, overhead assemblies such as duct work and pipe hangers because the internal plug holds its position. Can also be used to anchor handrails and floor-mounted door stops.	
Material	*Steel*	*18-8 Stainless*
	Anchor body: AISI 12L14 cold rolled steel **Expander Plug:** AISI 12L14/1215 cold rolled steel, case-hardened and tempered	**Anchor body:** 303 Stainless steel **Expander Plug:** 303 Stainless steel
Anchor Spacing	Anchors should be installed a minimum of ten anchor diameters between each other and a minimum of five anchor diameters from the edge.	
Depth of Hole	Should be at least equal to the length of the anchor.	
Tensile and Shear Strengths	The suggested safe working load is one-fourth the average proof test loads shown in the above table.	