

Product Image



Conical Anchor Kit w/ Pan Head Combo Drive Screws

These plastic anchors are suitable for use in solid and hollow wall, concrete, block, or brick applications. When used in hollow walls, such as drywall or plywood, the wings will splay out to provide a more secure installation and higher pull-out load. For hard wall applications, use the size of the anchor to determine hole size for installation. For drywall or soft applications it is recommended to use the smallest hole that will enable a tight fit of the anchor. These anchors are not recommended for use in overhead applications or where holding values are critical.

Special Features:

- Tapered body
- Collar to prevent falling through base material
- Anchor body is resistant to corrosion from moisture
- Compatible with both wood screws and sheet metal screws

Material Specifications

Component	Material
Anchor Body	Polyethylene
Screw	Carbon Steel

Applicable Base Materials:

- Drywall
- Concrete Masonry
- Clay Brick
- Concrete

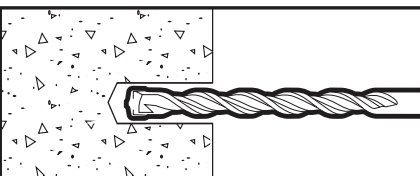
Anchor Selection Guide

Head Style	Drive Type
Pan Head Phillips	
Pan Head Square	
Hex Washer Head	

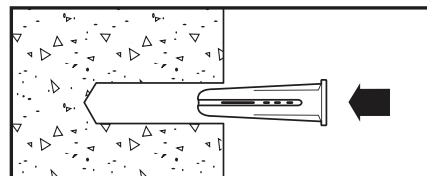
Installation Specifications

Dimension	Screw Size		
	#6 - #8	#8 - #10	#10 - #12
Anchor Body Size (in)	3/16"	1/4"	5/16"
Overall Anchor Length (in)	1"	1"	1-1/2"
Screw Size Range (in)	#6 - #8	#8 - #10	#10 - #12
ANSI Drill Bit Size (in)	3/16"	1/4"	5/16"

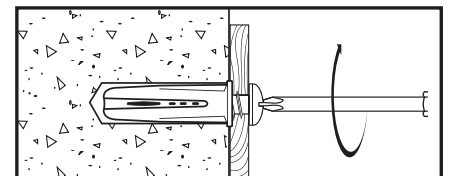
Installation Instructions



Drill a hole into the base material to the depth of embedment required. The tolerances of the drill bit used should meet the requirements of ANSI Standard B212.15.



Remove dust and debris from the hole during drilling (e.g. dust extractor) or following drilling (e.g. suction, forced air) to extract loose particles created by drilling. Tap the anchor into the hole until it is flush with the surface of the base material.



Position the fixture, then insert the proper size screw through the fixture into the top of the anchor and tighten. Be sure screw thread fully engages the anchor body.

Load Capacities in 1/2" Drywall					
Part Number	Minimum Embedment Depth (in)	Tension (lb)	Safe Tension (lb) ¹	Shear (lb) ²	Safe Shear (lb) ³
RD2	1"	21	7	35	11
RD3	1"	21	7	35	11
K6CO	1"	39	13	64	21
K14C	1-1/2"	44	14	72	24

Load Capacities in 5/8" Drywall					
Part Number	Minimum Embedment Depth (in)	Tension (lb)	Safe Tension (lb) ¹	Shear (lb) ²	Safe Shear (lb) ³
RD2	1"	31	10	45	15
RD3	1"	33	11	48	16
K6CO	1"	41	13	57	19
K14C	1-1/2"	51	17	68	22

Load Capacities in Hollow Concrete Masonry					
Part Number	Minimum Embedment Depth (in)	Tension (lb)	Safe Tension (lb) ¹	Shear (lb) ²	Safe Shear (lb) ³
RD2	1"	39	13	128	42
RD3	1"	40	13	128	42
K6CO	1"	106	35	162	54
K14C	1-1/2"	152	50	184	61

Load Capacities in Clay Brick					
Part Number	Minimum Embedment Depth (in)	Tension (lb)	Safe Tension (lb) ¹	Shear (lb) ²	Safe Shear (lb) ³
RD2	1"	43	14	223	74
RD3	1"	48	16	224	74
K6CO	1"	79	26	235	78
K14C	1-1/2"	99	33	241	80

Load Capacities in Concrete (4000 psi)					
Part Number	Minimum Embedment Depth (in)	Tension (lb)	Safe Tension (lb) ¹	Shear (lb) ²	Safe Shear (lb) ³
RD2	1"	44	14	133	44
RD3	1"	55	18	139	46
K6CO	1"	99	33	160	53
K14C	1-1/2"	104	34	163	54

1. Safe Tension (lb) is measured by a factor of 3.0 based on the tension (lb) values listed above.
 2. Shear values are modeled based on tension data.
 3. Safe Shear (lb) is measured by a factor of 3.0 based on the tension (lb) values listed above.