

Recommended Anchors Concrete floors, pads, walls and soffits

WEDGE ANCHORS				
Hilti	Dewalt	UCAN	Cobra	Simpson
KB1 & KB-TZ2	Powerstud+ SD1, SD2 & SD4/SD6 (stainless steel)	TZ	Parawedge	Strong-Bolt 2

SCREW ANCHORS			
Hilti	Dewalt	UCAN	Simpson
KH-EZ	Screwbolt+	Torpedo Bolt	Titen HD

ROD HANGERS (INTERNALLY THREADED)			
Hilti	Dewalt	UCAN	Simpson
KH-EZ I	Hangermate+	Torpedo Rod Hanger	Titen HD Threaded Rod Hanger

Drop-ins & Equivalent*			
Hilti	Dewalt	UCAN	Simpson
Hilti HDI TZ Hilti HDI-P TZ	Snake + Mini-Undercut (3/8")	NA	N/A

*Shop drawing submittal or email confirmation required prior to use due to inability to confirm model once installed.

Recommended Anchors
Concrete floors, pads, walls and soffits (Cont'd)

CAST-IN PLACE ANCHORS			
Hilti	Dewalt	UCAN	Simpson
KCC-WF, KCM-WF & KCCM-WF	Woodknocker II+	N/A	N/A

Epoxy			
Hilti	Dewalt	UCAN	Simpson
Hilti HY-200 c/w HAS or HIT-Z rods	AC200+	*	*

*Simpson ET-3G and UCAN FLO-ROK FR5 Max may be accepted but an ESR report is required.

Tapcon screw anchors do not have seismic certification or sufficient data for cracked concrete. They may, however, be accepted for light loads in certain applications:

1. Surface wall mounting of equipment less than 100lbs in normal importance projects (minimum four anchors)
2. Small duct support where the load is less than 25lb per anchor in normal importance projects
3. VAV support where the load is less than 20lb per anchor
Note VAV boxes over 50lbs require trapeze, & rods with Hangermate+/KHEZ I anchors)
4. Installation of pendant fixtures where the load is less than 25 lbs per anchor and securement of safety chains/cables for fixtures installed in drop ceilings in normal importance projects.

Minimum of 4" spacing between anchors. Screws to be 3/16" or 1/4"Ø with a minimum embedment of 1-1/4" (screw to be a minimum of 1-1/2" long).

Recommended Anchors
Grout-filled Hollow Block Walls

WEDGE ANCHORS			
Hilti	Dewalt	UCAN	Simpson
KB1 & KB-TZ2	Powerstud+ SD1 and SD4/SD6 (stainless)	N/A	NA

SCREW ANCHORS			
Hilti	Dewalt	UCAN	Simpson
KH-EZ	Screwbolt+	NA	Titen HD

Epoxy			
Hilti	Dewalt	UCAN	Simpson
Hilti HY-270 c/w HAS Rods	AC100+	NA	*

*Simpson ET-3G may be accepted but ESR report required first

Recommended Anchors
Concrete on Steel Deck

WEDGE ANCHORS			
Hilti	Dewalt	UCAN	Simpson
KB1 & KB-TZ2	Powerstud+ SD1 and SD2 SD4 and 6 (stainless)	N/A	Strong-Bolt 2

SCREW ANCHORS			
Hilti	Dewalt	UCAN	Simpson
KH-EZ	Screwbolt+	NA	Titen HD

ROD HANGERS (INTERNALLY THREADED)			
Hilti	Dewalt	UCAN	Simpson
KH-EZ I	Hangermate+	NA	Titen HD Threaded Rod Hanger

Epoxy			
Hilti	Dewalt	UCAN	Simpson
Hilti HY-200 c/w HAS or HIT-Z rods	NA	NA	NA

Drop-ins & Equivalent			
Hilti	Dewalt	UCAN	Simpson
Hilti HDI-P TZ	Snake +	NA	ET-3G

CAST-IN PLACE ANCHORS			
Hilti	Dewalt	UCAN	Simpson
KCC-MD, KCM-MD, KCCM-MD	Bang-It+	N/A	

Recommended Anchors
Hollow Block Walls (no grout)

SCREW ANCHORS			
Hilti	Dewalt	UCAN	Simpson
NA	NA	NA	Titen HD*

*Only suitable for very light seismic zones.

Epoxy			
Hilti	Dewalt	UCAN	Simpson
Hilti HY-270 c/w HAS rods + HIT-SC Screen	AC-100+ Gold with threaded rod + Stainless Steel and Plastic Screen Tubes	NA	NA

Note: allowable loads for anchors are low and securement to block walls must be reviewed prior to installation. Where possible rods through the block wall to plates/strut on the other side should be provided but otherwise above anchors may be permissible but must be reviewed prior to installation.

Tapcon screw anchors while not having a seismic certification (ESR-1671) may be accepted for light loads in certain applications (surface wall mounting of equipment less than 100lbs in normal importance projects). Screws to be 3/16" or 1/4"Ø with a minimum embedment of 1-1/4" (screw to be a minimum of 1-1/2" long).

Dewalt Double, while not having a seismic certification or ESR report, may be accepted for light loads in certain applications

Recommended Anchors
Hollowcore

ROD HANGERS (INTERNALLY THREADED)			
Hilti	Dewalt	UCAN	Simpson
KH-EZ I	NA	NA	NA

SCREW ANCHORS			
Hilti	Dewalt	UCAN	Simpson
KH-EZ	NA	NA	NA

Drop-ins & Equivalent			
Hilti	Dewalt	UCAN	Simpson
Hilti HDI-P TZ	Mini-Undercut+	NA	NA

Recommended Anchors
Wood

ROD HANGERS (INTERNALLY THREADED)			
Buildex	Dewalt		Simpson
Sammys For Wood	Hangermate for wood		Wood Rod Hanger

Lag/Screw			
GrRK	Dewalt		Simpson
RSS Rugged Structural	Ultracon+	Lag Screws	Strong-Drive