

# Anchoring Selection Chart

Anchor Selection Chart		Adhesive Anchors			Screw Anchors		Expansion Anchors					
		A7+	C6+	G5+	LDT	Tapcon	Torque-Set				Hammer-Set	
							Trubolt	Trubolt+	Dynabolt	Boa Coil	Drop-In	Hammer-Set
Base Material	Uncracked Concrete	A7+	C6+	G5+	LDT	TAP	TRU	TRU+	DYNA	BOA	DROP	HAMM
	Cracked Concrete	A7+	C6+	G5+				TRU+				
	Lightweight Concrete					TAP	TRU	TRU+	DYNA		DROP	
	Lightweight Concrete on Metal Deck				LDT		TRU	TRU+			DROP	
	Hollow Core Concrete										DROP	
	Grout Filled Concrete Block	A7+	C6+		LDT				DYNA			
	Hollow Concrete Block	A7+	C6+		LDT	TAP			DYNA			
	Solid Brick	A7+	C6+									
	Drywall											
Hole Conditions	Oversized Holes	A7+	C6+									
	Water Saturated Concrete	A7+	C6+	G5+	LDT	TAP	TRU	TRU+	DYNA	BOA	DROP	HAMM
	Water-filled Holes	A7+	C6+	G5+	LDT	TAP	TRU	TRU+	DYNA	BOA	DROP	HAMM
	Submerged	A7+	C6+	G5+								
	Core-Drilled Holes		C6+									
	No Hole Cleaning Procedures											
Application Requirements	Through Fixture Fastening	A7+	C6+	G5+	LDT	TAP	TRU	TRU+	DYNA	BOA		HAMM
	Immediate Loading				LDT	TAP	TRU	TRU+	DYNA	BOA	DROP	HAMM
	Finished Head or Flush Surface				LDT	TAP			DYNA	BOA	DROP	HAMM
	Easy to Remove				LDT	TAP				BOA		
	Seismic	A7+	C6+	G5+				TRU+				
	Cyclic Loading	A7+	C6+	G5+			TRU	TRU+				
	High Temperature Resistance	A7+	C6+	G5+	LDT	TAP	TRU	TRU+	DYNA	BOA	DROP	HAMM
	Sustained Load	A7+	C6+	G5+	LDT	TAP	TRU	TRU+	DYNA	BOA	DROP	
Corrosion Resistance	Zinc Plated	A7+	C6+	G5+			TRU	TRU+	DYNA	BOA	DROP	HAMM
	Hot-Dipped Galvanized	A7+	C6+	G5+			TRU					
	304 Stainless Steel	A7+	C6+	G5+			TRU		DYNA			
	316 Stainless Steel	A7+	C6+	G5+			TRU	TRU+			DROP	
	410 Stainless Steel	A7+	C6+	G5+	LDT	TAP						
	Trade Secret Coating				LDT	TAP						
Anchor Diameters	3/16"					TAP						HAMM
	1/4"					TAP	TRU		DYNA		DROP	HAMM
	5/16"					TAP			DYNA			
	3/8"	A7+	C6+	G5+	LDT		TRU	TRU+	DYNA		DROP	
	1/2"	A7+	C6+	G5+	LDT		TRU	TRU+	DYNA	BOA	DROP	
	5/8"	A7+	C6+	G5+	LDT		TRU	TRU+	DYNA	BOA	DROP	
	3/4"	A7+	C6+	G5+	LDT		TRU	TRU+	DYNA	BOA	DROP	
	7/8"	A7+	C6+	G5+								
	1"	A7+	C6+	G5+			TRU					
	1-1/4"	A7+	C6+	G5+								
	1-1/2"	A7+	C6+									
	Rebar Sizes	#3-11	#3-11	#3-11								
At 70°F	Working Time (minutes)	5	16	16								
	Cure Time (minutes)	45	390	480								