

Anchoring Selection Chart

Anchor Selection Chart		Adhesive Anchors				Screw Anchors			Expansion Anchors					Friction			
		S7	C6+	A7	G5	LDT	Tapcon	E-Z Anchor	Torque-Set			Hammer-Set					
									Trubolt	Trubolt+	Dynabolt	Boa Coil	Poly-Set		Drop-In	Stud	Hammer-Set
Base Material	Uncracked Concrete	S7	C6+	A7	G5	LDT	TAP		TRU	TRU+	DYNA	BOA		DROP	STUD	HAMM	REDI
	Cracked Concrete	S7	C6+		G5					TRU+							
	Lightweight Concrete								TRU	TRU+	DYNA			DROP			
	Lightweight Concrete on Metal Deck					LDT			TRU	TRU+				DROP			REDI
	Hollow Core Concrete													DROP			
	Grout Filled Concrete Block			A7		LDT					DYNA						REDI
	Hollow Concrete Block			A7		LDT	TAP				DYNA						REDI
	Solid Brick			A7													
	Drywall							E-Z									
Hole Conditions	Oversized Holes		C6+		G5												
	Water Saturated Concrete	S7	C6+	A7	G5	LDT	TAP		TRU	TRU+	DYNA	BOA		DROP	STUD	HAMM	REDI
	Water-filled Holes	S7	C6+	A7	G5	LDT	TAP		TRU	TRU+	DYNA	BOA		DROP	STUD	HAMM	REDI
	Submerged	S7	C6+	A7	G5												
	No Hole Cleaning Procedures							E-Z					POLY				
Application Requirements	Through Fixture Fastening	S7	C6+	A7	G5	LDT	TAP		TRU	TRU+	DYNA	BOA			STUD	HAMM	REDI
	Immediate Loading					LDT	TAP	E-Z	TRU	TRU+	DYNA	BOA	POLY	DROP	STUD	HAMM	REDI
	Finished Head or Flush Surface					LDT	TAP	E-Z			DYNA	BOA	POLY	DROP		HAMM	REDI
	Easy to Remove					LDT	TAP	E-Z				BOA	POLY				
	Seismic	S7	C6+		G5					TRU+							
	Cyclic Loading	S7	C6+	A7	G5				TRU	TRU+							
	High Temperature Resistance	S7	C6+	A7	G5	LDT	TAP		TRU	TRU+	DYNA	BOA		DROP	STUD	HAMM	REDI
	Sustained Load	S7	C6+		G5	LDT	TAP		TRU	TRU+	DYNA	BOA		DROP			REDI
Corrosion Resistance	Zinc Plated	S7	C6+	A7	G5			E-Z	TRU	TRU+	DYNA	BOA	POLY	DROP	STUD	HAMM	REDI
	Hot-Dipped Galvanized	S7	C6+	A7	G5				TRU								
	304 Stainless Steel	S7	C6+	A7	G5				TRU		DYNA						
	316 Stainless Steel	S7	C6+	A7	G5				TRU	TRU+				DROP			
	410 Stainless Steel	S7	C6+	A7	G5	LDT	TAP										
	Trade Secret Coating					LDT	TAP										
Anchor Diameters	3/16"						TAP	E-Z					POLY			HAMM	REDI
	1/4"						TAP		TRU		DYNA			DROP	STUD	HAMM	REDI
	5/16"						TAP				DYNA		POLY				
	3/8"	S7	C6+	A7	G5	LDT			TRU	TRU+	DYNA			DROP	STUD		
	1/2"	S7	C6+	A7	G5	LDT			TRU	TRU+	DYNA	BOA		DROP	STUD		
	5/8"	S7	C6+	A7	G5	LDT			TRU	TRU+	DYNA	BOA		DROP	STUD		
	3/4"	S7	C6+	A7	G5	LDT			TRU	TRU+	DYNA	BOA		DROP	STUD		
	7/8"	S7	C6+	A7	G5												
	1"	S7	C6+	A7	G5				TRU								
	1-1/4"	S7	C6+	A7	G5												
Rebar Sizes	#3-8,10	#3-8,10	#3-11	#3-10													
At 70°F	Working Time (minutes)	4	11	6	15												
	Cure Time (minutes)	30	420	33	1440												