
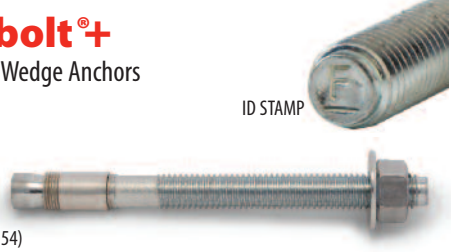

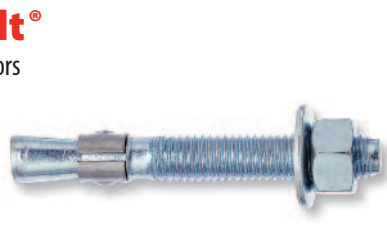
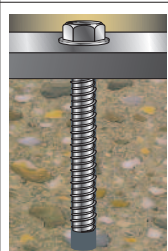









Anchors for Concrete Applications

Selection Guide

ANCHOR TYPE		KEY FEATURES	SIZE RANGE (Inches)
	<p>Trubolt®+ Seismic Wedge Anchors</p>  <p>ID STAMP</p> <p>(see page 54)</p>	<ul style="list-style-type: none"> 2003 IBC & 2006 IBC Compliant All seismic zone (A-F) and cracked concrete approved Fully-threaded Length ID head stamped Through-fixture fastening 	<p>Diameter: 3/8, 1/2 & 5/8 Length: 3 – 8-1/2</p>
	<p>Trubolt® Wedge Anchors</p>  <p>(see page 54)</p>	<ul style="list-style-type: none"> 2003 IBC & 2006 IBC Compliant Seismic zone (A-B) approved Fully-threaded Length ID head stamped Stainless steel clip Through-fixture fastening 	<p>Diameter: 1/4 – 1 Length: 1-3/4 – 12</p>
	<p>Large Diameter Tapcon (LDT) and LDTX Self-Threading Anchor</p>  <p>(see page 60)</p>	<ul style="list-style-type: none"> Anti-rotation serrated washer Extra large hex washer head Length ID head stamped Through-fixture fastening 	<p>LDT with Zinc Plating Diameter: 3/8 – 3/4 Length: 1-3/4 – 6-1/4</p> <p>LDTX with EnvireX Coating Diameter: 3/8 & 1/2 Length: 3 – 5</p>
	<p>Multi-Set II® Drop-In Anchors</p>  <p>RM RL RX CL</p> <p>(see page 65)</p>	<ul style="list-style-type: none"> RM: Flanged body to keep anchor flush with surface of concrete RL: Non-flanged body for recessed setting RX: Designed for hollow core and post tension concrete CL: Designed for one-sided forming, accepts coil rod 	<p>Diameter: 1/4 – 3/4 Length: 1 – 3-3/16</p> <hr/> <p>Diameter: 1/4 – 3/4 Length: 1 – 3-3/16</p> <hr/> <p>Diameter: 3/8 & 1/2 Length: 3/4</p> <hr/> <p>Diameter: 1/2 & 3/4 Length: 2 & 3-3/16</p>
	<p>Boa™ Coil Expansion Anchors</p>  <p>(see page 70)</p>	<ul style="list-style-type: none"> Heavy-Duty, Reusable Fastening Easy installation Removable High shear strength Replacement coil available for easy re-use 	<p>Diameter: 1/2 – 3/4 Length: 3 – 6</p>
	<p>Prima High Expansion Sleeve Anchors</p>  <p>(see page 72)</p>	<ul style="list-style-type: none"> Lightweight Concrete, and Masonry Fastening Easy installation Removable fastening 	<p>Diameter: 1/4 – 1/2 Length: 2-3/8 – 3-9/16</p>

	CORROSION RESISTANCE	PERFORMANCE	HEAD STYLES	APPROVALS/LISTINGS
Trubolt+ cont'd	<ul style="list-style-type: none"> ■ Zinc-plated carbon steel to ASTM B633, SC1, Type III 	<p>Pullout strength of 4,980 lbs in 2,500 psi Cracked Concrete (1/2" diameter).</p>	Hex nut	<p>ICC Evaluation Service, Inc. – #ESR-2427 (Approved for: Seismic zones A-F and Cracked Concrete) Category 1 performance rating 2003 IBC & 2006 IBC Compliant Meets ACI 318 Ductility Requirements Tested in accordance with ACI 355.2 and ICC-ES AC 193.</p>
Trubolt cont'd	<ul style="list-style-type: none"> ■ Zinc-plated carbon steel to ASTM B633, SC1, Type III ■ Hot dipped galvanized to ASTM A-153 ■ Type 304 and 316 stainless steel 	<p>Ultimate Pullout Performance in 4000 psi Concrete up to 26,540 lbs. (1" diameter)</p>	Hex nut Tie-Wire version	<p>ICC Evaluation Service, Inc. – #ESR-2251 (Formerly ICBO ER1372 which includes seismic loading conditions) GSA: A-A-1923A Type 4 (Formerly GSA: FF-S-325 Group II, Type 4, Class 1) Underwriters Laboratories Factory Mutual City of Los Angeles – #RR2748 California State Fire Marshal Caltrans</p>
LDT cont'd	<ul style="list-style-type: none"> ■ Zinc-plated carbon steel to ASTM B695 & B633 ■ Type 410 stainless steel 	<p>Ultimate Pullout Performance in 4,000 psi Concrete up to 23,266 lbs. (3/4" diameter)</p>	Finished bolt style	<p>Miami-Dade County – #04-1025.08 Florida Building Code</p>
	<ul style="list-style-type: none"> ■ Now with EnvireX™ coating Approved for use in ACQ and MCQ lumber* *Excessive content of copper in the ACQ and MCQ lumber may affect the anchor finish. 			1,000 hours salt spray ASTM B117
Multi-Set II Drop-In cont'd	<ul style="list-style-type: none"> ■ Zinc-plated carbon steel to ASTM B633, SC1, Type III ■ Type 18-8 and 316 stainless steel 	<p>Ultimate Pullout Performance in 4000 psi Concrete up to 9,480 lbs. (3/4" diameter)</p>	RM: Flanged body RL: Non-flanged body Use any bolt or threaded rod	<p>GSA: A-A-55614 Type 1 (Formerly GSA: FF-S-325 Group VIII) Underwriters Laboratories Factory Mutual City of Los Angeles – #RR2748 California State Fire Marshal Caltrans</p>
Boa Coil cont'd	<ul style="list-style-type: none"> ■ Zinc plated carbon steel to ASTM B633, SC1, Type III 	<p>Ultimate Pullout Performance in 4000 psi Concrete up to 38,500 lbs. (3/4" diameter)</p>	Finished bolt style	
Prima cont'd	<ul style="list-style-type: none"> ■ Sleeve S300 Pb NFA 35561 ■ Bolt Grade 5 1035 carbon steel ■ Cone S300 Pb NFA 35561 ■ Zinc coating NFE 25009, passivation NFA 91472 	<p>Ultimate Pullout Performance in 4,000 psi Concrete up to 8,500 lbs. (1/2" diameter)</p>	Finished bolt style	

continued on next page

Anchors for Concrete Applications

continued from pages 50-51

ANCHOR TYPE	KEY FEATURES	SIZE RANGE (Inches)
 <p>Dynabolt® Masonry Sleeve Anchors</p> <p>(see page 74)</p>  <p>For both Hollow and Solid Concrete Applications</p>	<ul style="list-style-type: none"> Concrete, block and brick Many choices of head styles Through-fixture fastening Available in 304 stainless steel 	<p>Diameter: 1/4 – 3/4 Length: 5/8 – 6-1/4</p>
 <p>Stud Stud Anchors</p> <p>(see page 77)</p> 	<ul style="list-style-type: none"> Bottom bearing Hammer-driven Ideal for jacking or leveling Easy installation 	<p>Diameter: 1/4 – 3/4 Length: 1-3/4 – 6-1/4</p>
 <p>Redi-Drive® High performance Hammer-Drive Anchors</p> <p>(see page 79)</p> 	<ul style="list-style-type: none"> Simple installation Small drill size No torque required Through-fixture fastening 	<p>Diameter: 1/4 Length: 3/4 – 3</p>
 <p>Tapcon® Concrete Anchors with Advanced Threadform Technology™</p> <p>(see page 83)</p>  <p>For both Hollow and Solid Concrete Applications</p>	<ul style="list-style-type: none"> Fast installation with Condrive tool Removable Cuts own threads Bit included in every box Through-fixture fastening 	<p>Diameter: 3/16 & 1/4 Length: 1-1/4 – 6</p>
<p>Hammer-Set™ Nail-drive Anchors</p> <p>(see page 88)</p> 	<ul style="list-style-type: none"> Easy installation Low profile head Through-fixture fastening 	<p>Diameter: 3/16 & 1/4 Length: 7/8 – 2</p>
<p>Poly-Set® All-purpose plastic plug anchors</p> <p>(see page 89)</p>  <p>For both Hollow and Drywall Applications</p>	<ul style="list-style-type: none"> Unique twisting action Resistant to moisture, chemicals and atmospheric conditions Available in pre-packaged kits 	<p>Diameter: 3/16 – 1/4 Length: 1-1/4 – 1-7/16 3/16" uses #6 – 8 screw 1/4" uses #10 – 12 screw</p>
<p>E-Z Ancor™ Drywall Anchors</p> <p>(see page 87)</p>  <p>For Drywall Applications Only</p>	<ul style="list-style-type: none"> Fast, no pre-drilling Easy to use, just use #2 phillips bit Removable 	<p>Accepts #8 and #10 screws</p>

	CORROSION RESISTANCE	PERFORMANCE	HEAD STYLES	APPROVALS/LISTINGS
Dynabolt <i>cont'd</i>	<ul style="list-style-type: none"> ■ Zinc-plated carbon steel to ASTM B633, SC1, Type III ■ Type 304 stainless steel 	Ultimate Pullout Performance in 4000 psi Concrete up to 8,900 lbs. (3/4" diameter)	Flat head Hex nut Acorn nut Tie-Wire Round head Threshold flat head	GSA: A-A-1922A (Formerly GSA: FF-S-325 Group II, Type 3, Class 3) Factory Mutual California State Fire Marshal
Stud <i>cont'd</i>	<ul style="list-style-type: none"> ■ Zinc-plated carbon steel to ASTM B633, SC1, Type III 	Ultimate Pullout Performance in 4000 psi Concrete up to 7,520 lbs.	Hex nut	GSA: A-A-55614 Type 2 (Formerly GSA: FF-S-325 Group VIII, Type 2) Factory Mutual Underwriters Laboratories California State Fire Marshal
Redi-Drive <i>cont'd</i>	<ul style="list-style-type: none"> ■ Zinc-plated carbon steel 	Ultimate Pullout Performance in 4000 psi Concrete up to 2,300 lbs.	Mushroom head Pipe version (1/4" & 3/8") Tie-Wire version Form-drive	FF-S-325 Group VI Factory Mutual (3/8" Pipe-Drive)
Tapcon <i>cont'd</i>	<ul style="list-style-type: none"> ■ Patented Climaseal® coating ■ Type 410 stainless steel 	Ultimate Pullout Performance in 4000 psi Concrete up to 2,380 lbs.	Hex head Phillips flat head	ICC Evaluation Service, Inc. – #ESR-1671 ICC Evaluation Service, Inc. – #ESR-2202 Miami-Dade County – # 07-0315.03 Florida Building Code
Hammer-Set <i>cont'd</i>	<ul style="list-style-type: none"> ■ Zinc alloy 	Ultimate Pullout Performance in 4000 psi Concrete up to 793 lbs.	Mushroom head	GSA: A-A-1925A Type 1 (zinc mushroom) (Formerly GSA: FF-S-325 Group V, Type 2, Class 3)
Poly-Set <i>cont'd</i>	<ul style="list-style-type: none"> ■ Polyethylene Anchor (accepts corrosion resistant screw of your choice) 		Kit comes with phillips head screw (accepts screw style of your choice)	
E-Z Ancor <i>cont'd</i>	<ul style="list-style-type: none"> ■ Zinc plated steel/ engineered plastic (accepts corrosion resistant screw of your choice) 	Ultimate Pullout Performance in 5/8" Gypsum wallboard up to 75 lbs.	Accepts screw style of your choice	

Because applications vary, ITW RED HEAD cannot guarantee the performance of this product. Each customer assumes all responsibility and risk for the use of this product. The safe handling and the suitability of this product for use is the sole responsibility of the customer. Specific job site conditions should be considered when selecting the proper product. Should you have any questions, please call the Technical Assistance Department at 800-899-7890.