

Selection Guide

Anchors for Concrete Applications

ANCHOR TYPE	KEY FEATURES	SIZE RANGE (Inches)
	<p>Trubolt[®] Wedge Anchors</p> 	<ul style="list-style-type: none"> 2015 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>Trubolt[®] + Seismic Wedge Anchors</p>  <p>ID STAMP</p>	<ul style="list-style-type: none"> 2015 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 & 3/4 Length: 3 – 8-1/2</p>
	<p>Trubolt[®] + SS Seismic Wedge Anchors</p>  <p>(see page 72)</p>	<ul style="list-style-type: none"> 2015 IBC Compliant ICC-ES ESR 2427 for Cracked and Uncracked Concrete Patented grooved clip design Meets ductility requirements of ACI 318 D.3.3 Fully threaded Anchor body and clip are Made in the U.S.A. <p>Diameter: 1/2 and 5/8 Length: 3-3/4 - 7</p>
	<p>Large Diameter Tapcon (LDT) and LDTX Self-Threading Anchor</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>Tapcon[®] + Self-Threading Anchor</p> 	<ul style="list-style-type: none"> Approved for concrete in uncracked, cracked, and seismic conditions Easy installation Blue Climaseal for superior corrosion resistance Removable <p>Diameter: 1/4 – 1/2 Length: 2-1/4 – 6</p>
	<p>Boa[™] Coil Expansion Anchors</p> 	<ul style="list-style-type: none"> Heavy-Duty, Reusable Fastening Easy installation Removable High shear strength Zinc plated carbon steel to ASTM B633, SC1, Type III <p>Diameter: 1/2 – 3/4 Length: 3 – 6</p>
	<p>Multi-Set II[®] Drop-In Anchors</p>  <p>RM RL RX CL</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> <p>Diameter: 1/4 – 3/4 Length: 1 – 3-3/16</p> <p>Diameter: 3/8 & 1/2 Length: 3/4 - 1</p> <p>Diameter: 1/2 & 3/4 Length: 2 & 3-3/16</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 ■ Hot dipped galvanized to ASTM A-153 ■ Type 304 and 316 stainless steel 	Ultimate Pullout Performance in 4000 psi Concrete up to 26,540 lbs. (1" diameter)	Hex nut Tie-Wire version	ICC Evaluation Service, Inc. ESR-2251 Underwriters Laboratories Factory Mutual Caltrans Meets or exceeds U.S. Government G.S.A. Specification A-A-1923A Type 4 (formerly GSA: FF-S-325 Group II, Type 4, Class 1)
Trubolt+ cont'd	<ul style="list-style-type: none"> ■ Zinc-plated carbon steel to ASTM B633, SC1, Type III 	Pullout strength of 4,980 lbs in 2,500 psi Cracked Concrete (1/2" diameter).	Hex nut	ICC Evaluation Service, Inc. # ESR-2427 -Category 1 performance rating -2015 IBC compliant -Meets ACI 318 ductility requirements -Tested in accordance with ACI 355.2 & ICC-ES AC193 -Listed for use in seismic zones A, B, C, D, E, & F -3/8", 1/2", 5/8" and 3/4" diameter anchors listed in ESR-2427 City of Los Angeles - #RR25867 Florida Building Code (FBC)
Trubolt+ SS cont'd	<ul style="list-style-type: none"> ■ Stainless Steel AISI 316 	Pullout strength of 4,980 lbs in 2,500 psi Cracked Concrete (1/2" diameter).	Hex nut	ICC-ES ESR 2427 for cracked and uncracked concrete Approved for use in ALL SEISMIC ZONES (A-F) 2015 International Building Code (IBC) 2015 International Residential Code (IRC) Florida Building Code (FBC)
LDT cont'd	<ul style="list-style-type: none"> ■ Zinc-plated carbon steel to ASTM B695 & B633 ■ Type 410 stainless steel <hr/> <ul style="list-style-type: none"> ■ Envire coating <p>Approved for use in ACQ and MCQ Lumber* *Excessive content of copper in the ACQ and MCQ lumber may affect the anchor finish.</p>	Ultimate Pullout Performance in 4,000 psi Concrete up to 23,266 lbs. (3/4" diameter)	Finished bolt style	1,000 hours salt spray ASTM B117
Tapcon+ cont'd	<ul style="list-style-type: none"> ■ Blue Climaseal coated for superior corrosion resistance 	Ultimate Pullout Performance in 4000 psi Concrete up to 38,500 lbs. (3/4" diameter)	Finished bolt style	ICC-EC ESR 3699
Multi-Set II Drop-In cont'd	<ul style="list-style-type: none"> ■ Zinc-plated carbon steel to ASTM B633, SC1, Type III ■ Type 304 and 316 stainless steel 	Ultimate Pullout Performance in 4000 psi Concrete up to 9,480 lbs. (3/4" diameter)	RM: Flanged body RL: Non-flanged body Use any bolt or threaded rod	GSA: A-A-55614 Type 1 (Formerly GSA: FF-S-325 Group VIII) Underwriters Laboratories Factory Mutual Caltrans
Dynabolt cont'd	<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

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continued from pages 50-51

ANCHOR TYPE	KEY FEATURES	SIZE RANGE (Inches)
<p>Tapcon® Concrete Anchors with Advanced Threadform Technology™</p>  <p>Original Maxi-Set SCOTS XL StormGuard</p>		
<p>Hammer-Set™ Nail-drive Anchors</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>Dynabolt® Masonry Sleeve Anchors</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>

	CORROSION RESISTANCE	PERFORMANCE	HEAD STYLES	APPROVALS/LISTINGS
Tapcon <i>cont'd</i>	<ul style="list-style-type: none"> ■ Patented Trade Secret Climaseal® coating ■ Type 410 stainless steel <p>The above is for the Original and 410 SS Tapcon only. For data on other Tapcon products see their product pages as follows: Tapcon Maxi-Set on page 94, Tapcon SCOTS on page 94, Tapcon XL on page 98, and Tapcon StormGuard on page 100.</p>	Ultimate Pullout Performance in 4000 psi Concrete up to 2,380 lbs.	Hex head Phillips flat head	Blue Climaseal™ ICC Evaluation Service, Inc. – ESR-1671 ICC Evaluation Service, Inc. – ESR-2202 Miami-Dade County Florida Building Code 410 Stainless Steel Miami-Dade County 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)
Boa Coil <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 38,500 lbs. (3/4" diameter)	Finished bolt style	

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 800-848-5611.