

Large Diameter Tapcon® Anchor Performance Data

ULTIMATE PULLOUT (IN CONCRETE)		
Anchor Diameter	Embedment Depth	Concrete Compressive Strength
		3,000 psi
5/16"	1-3/4"	2,785 lbs.
3/8"	2-1/2"	5,445 lbs. 10% higher than wedge 28% higher than sleeve
1/2"	3"	7,415 lbs. equal to wedge 22% higher than sleeve

ULTIMATE SHEAR (IN CONCRETE)		
Anchor Diameter	Embedment Depth	Concrete Compressive Strength
		3,000 psi
5/16"	1-3/4"	3,045 lbs.
3/8"	2-1/2"	5,955 lbs. 46% higher than wedge 129% higher than sleeve
1/2"	3"	11,960 lbs. 53% higher than wedge 89% higher than sleeve

A safety factor of 4:1 or 25% of ultimate pullout/shear value is generally accepted as a safe working load.

Large Diameter Tapcon® Ordering Chart

Item #	Description	Pcs / Unit	Units / Master	Pkg Type	UPC	1 2 of 5	Country of Origin	Notes
24192	TAPCON 5/16 X 2 HWH	4	8	Sm Clam	0 92097 24192 3	1 0092097 24192 0	USA	
24292	TAPCON 5/16 X 2 HWH	15	6	Md Clam	0 92097 24292 0	1 0092097 24292 7	USA	
24193	TAPCON 5/16 X 3 HWH	4	8	Sm Clam	0 92097 24193 0	1 0092097 24193 7	USA	
24293	TAPCON 5/16 X 3 HWH	15	6	Md Clam	0 92097 24293 7	1 0092097 24293 4	USA	
50403	TAPCON 3/8 X 3 HWH	2	8	Poly	0 92097 50403 5	1 0092097 50403 2	USA	
11413	TAPCON 3/8 X 3 HWH	10	6	V60	0 92097 11413 5	1 0092097 11413 2	USA	
50404	TAPCON 3/8 X 4 HWH	2	8	Poly	0 92097 50404 2	1 0092097 50404 9	USA	
11414	TAPCON 3/8 X 4 HWH	10	4	V80	0 92097 11414 2	1 0092097 11414 9	USA	
50426	TAPCON 1/2 X 6 HWH	2	8	Poly	0 92097 50426 4	1 0092097 50426 1	USA	
11493	1/4 X 7 SDS DRILL BIT	1	10	Hang Tag	0 92097 11493 7	1 0092097 11493 4	China	

TW Brands

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Buildex
Tapcon®
#1 CHOICE OF PROFESSIONALS

CONCRETE ANCHORS

**NEW
LARGE
SIZES**

**BIGGER
FASTER
STRONGER**

Now available in
5/16", 3/8" and 1/2" diameters.



**Tapcon now gives the professional even more choice...
for medium to heavy-duty applications.**

Tapcon is the #1 brand recognized and used by professionals for attachment to masonry. Tapcon invented the original "blue concrete screw" and with 30 years of experience continues to lead in innovation.

**2X
FASTER!**

Than wedge and sleeve anchors.
Drill. Drive.

Advanced Threadform Technology™,

- 30% lower installation torque
- 20% more holding power

Finished head for a low profile—anchor can be removed if needed.



The Tapcon Advantage

- Secure attachment to concrete, block and brick
- One piece design requires no assembly and speeds up installation
- Does not require anchor torque-down
- Easy to remove by simply unscrewing the anchor
- Reduced installation torque
- Close-to-edge placement

Comparative Mechanical Anchor Testing

3/8" x 2-1/2" embedment @ 3000 psi concrete

	Tapcon vs. Wedge	Tapcon vs. Sleeve
Ultimate Tension	+10%	+26%
Ultimate Shear	+46%	+129%

1/2" x 3" embedment @ 3000 psi concrete

	Tapcon vs. Wedge	Tapcon vs. Sleeve
Ultimate Tension	Equal	+22%
Ultimate Shear	+53%	+89%



CRACKED AND SEISMIC APPROVED

Features of Tapcon® Anchors

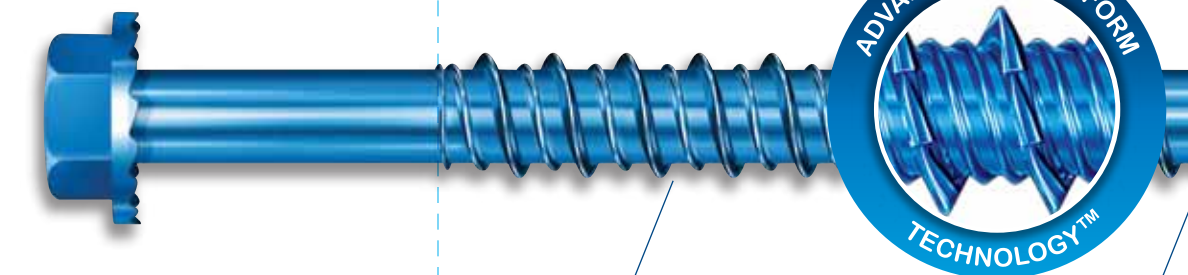
To install Small or Medium Diameter Tapcons® use the color-coded Tapcon Drill Bit. Tapcon System Drill Bits are manufactured to tighter tolerances than standard ANSI bits for maximum anchor performance.

3/16" Anchor	Use Tapcon® 5/32" Drill Bit
1/4" Anchor	Use Tapcon® 3/16" Drill Bit
5/16" Anchor	Use Tapcon® 1/4" Drill Bit

To install Large Diameter Tapcons® choose a concrete drill bit of equal diameter.

3/8" Anchor	Use 3/8" ANSI Drill Bit
1/2" Anchor	Use 1/2" ANSI Drill Bit

Advanced Threadform Technology™ for easier, faster installation



Trusted Quality.



Blue ClimaSeal® adds corrosion resistance

Induction hardened tip cuts into harder concrete, increases pullout



Testing laboratory, TL-440, accredited by the International Accreditation Service, a subsidiary of ICC

Tapcons are now available in a full range of sizes and diameters with the latest code approvals. Offering the only 5/16" seismic approved anchor available.



Available in the following sizes:

- 1/2" x 6"
- 3/8" x 3"
- 3/8" x 4"
- 5/16" x 2"
- 5/16" x 3"