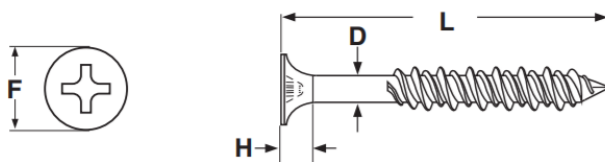


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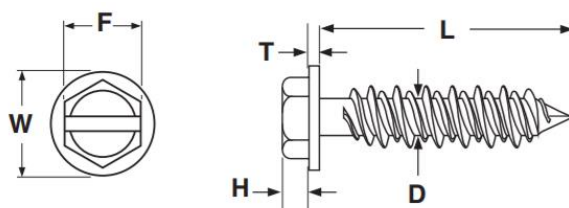
An **AMERICAN** Source For Premier
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BLUE CONCRETE SCREWS – 410 STAINLESS STEEL

The following Specification Sheet applies to all **Blue Concrete Screw – 410 Stainless Steel** in our **CSH series**.



FLAT PHILLIPS CONCRETE SCREWS					
D	Thread Size	Fixture Clearance Hole	H	F	Phillips Driver Bit Size
Nominal Diameter			Head Height	Head Diameter	
			Ref	Ref	
3/16	11-16	1/4	9/64	3/8	2



SLOTTED HEX WASHER CONCRETE SCREWS						
D	Thread Size	Fixture Clearance Hole	H	F	W	T
Nominal Diameter			Head Height	Width Across the Flats	Washer Diameter	Washer Thickness
			Ref	Ref	Ref	Ref
1/4	1/4-15	5/16	9/64	5/16	13/32	1/32

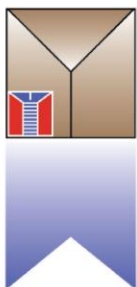
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Ultimate Tension and Shear Values (Lbs/kN) in Concrete

ANCHOR DIA. In. (mm)	MIN. DEPTH OF EMBEDMENT In. (mm)	f'c = 2000 PSI (13.8 MPa)		f'c = 3000 PSI (20.7 MPa)		f'c = 4000 PSI (27.6 MPa)		f'c = 5000 PSI (34.5 MPa)	
		TENSION Lbs. (kN)	SHEAR Lbs. (kN)	TENSION Lbs. (kN)	SHEAR Lbs. (kN)	TENSION Lbs. (kN)	SHEAR Lbs. (kN)	TENSION Lbs. (kN)	SHEAR Lbs. (kN)
1/4 (6.4)	1 (25.4)	750 (3.3)	900 (4.0)	775 (3.4)	900 (4.0)	800 (3.6)	1,360 (6.1)	950 (4.2)	1,440 (6.4)
	1-1/4 (31.8)	1,050 (4.7)	900 (4.0)	1,160 (5.2)	900 (4.0)	1,270 (5.6)	1,360 (6.1)	1,515 (6.7)	1,440 (6.4)
	1-1/2 (38.1)	1,380 (6.1)	1,200 (5.3)	1,600 (7.2)	1,200 (5.3)	1,820 (8.1)	1,380 (6.1)	2,170 (9.7)	1,670 (7.4)
	1-3/4 (44.5)	2,020 (9.0)	1,670 (7.4)	2,200 (9.8)	1,670 (7.4)	2,380 (10.6)	1,670 (7.4)	2,770 (12.3)	1,670 (7.4)

Ultimate Tension and Shear Values (Lbs/kN) in Hollow Block

ANCHOR DIA. In. (mm)	ANCHOR EMBEDMENT In. (mm)	LIGHTWEIGHT BLOCK		MEDIUM WEIGHT BLOCK	
		TENSION Lbs. (kN)	SHEAR Lbs. (kN)	TENSION Lbs. (kN)	SHEAR Lbs. (kN)
3/16 (4.8)	1 (25.4)	220 (1.0)	400 (1.8)	340 (1.5)	730 (3.2)
1/4 (6.4)	1 (25.4)	250 (1.1)	620 (2.8)	500 (2.2)	1,000 (4.4)

Safe working loads for single installation under static loading should not exceed 25% of the ultimate load capacity.

NOTE: 3/16" Tapcon requires 5/32" bit, 1/4" Tapcon requires 3/16" bit.

Description	An externally threaded, hardened screw with a double lead, consisting of alternating raised and lowered threads with notches cut into the raised threads, and a diamond-shaped, nail-type point.
Applications/ Advantages	Cuts its own threads and when used in concrete, block or brick, eliminates the need for an anchor when used in light or medium duty applications. When used in concrete, it can be removed and re-driven into the same hole. Special carbide bits are recommended for driving concrete screws into masonry. Some applications include anchoring the following to masonry: electrical junction boxes, wooden beams, plywood, exterior insulation, metal flashing, and/or thresholds.
Material	410 stainless steel
Anchor Spacing	Concrete screws should be installed a minimum of ten anchor diameters between each other. They have an advantage over most other types of masonry anchors in that they can be installed close to the edge of the material in which they are installed.
Depth of Hole	Hole should be of a depth equal to the required embedment plus 1/2"
Tensile and Shear Strength	The suggested safe working load is one-fourth (1/4) the average proof test loads shown in the above table.

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