

## Pullout Values

(in Concrete lbs. 3000 PSI, cured 40 days)

ANCHOR DIAMETER	1"	EMBEDMENT DEPTH IN SOLID MATERIAL		
	1"	1-1/4"	1-1/2"	1-3/4"
3/16	964	1080	1360	1595
1/4	1381	1616	2041	2332

## Pullout Values

(in Hollow Block)

ANCHOR DIAMETER	EMBEDMENT DEPTH IN SOLID MATERIALS
	1-1/4"
3/16	540
1/4	754

## Shear Values

ANCHOR DIAMETER	EMBEDMENT DEPTH	3145 PSI HARD ROCK CONCRETE	LIGHTWEIGHT HOLLOW BLOCK
3/16	1-1/4"	1460	1096
1/4	1-1/4"	1622	1218

**NOTE:** Indicated tension and shear failure values were obtained in tests conducted at CEL Consulting. Designated holding power depends on the quality of the masonry material, depth of embedment and proper hole size. These figures are offered only as a guide and are not guaranteed in any way by Illinois Tool Works Inc. The figures indicate average ultimate tension and shear failure values. A safety factor of 4:1 or 25% of ultimate value is generally accepted as a safe working load. However, reference should always be made to applicable codes for the specific safe working ratio. All values are based on close tolerance holes drilled with Buildex Tapcon® carbide drill bits. Performance of the Tapcon anchor may vary in extremely hard concrete aggregates. Consult your Buildex representative for further information.

As in the case with all applications, Buildex can only suggest typical fasteners for typical applications and that the connection design is the sole responsibility of the Building Design Engineer, Architect or otherwise responsible person charged with the design of the connection. For further product information, please contact the nearest Authorized Buildex Distributor or the Buildex Technical Service Department at 1-800-323-0720.