

# FIXTURE THICKNESS AND PULL OUT LOAD

## Countersunk Head Concrete screw

Part No.	Size	Max Fixture thickness (mm)	Drill Hole Diam. (mm)	PULL OUT (kN)	SHEAR (kN)
TCSB660	6 x 60	10	5	6.6	6.8
TCSB680	6 x 80	30	5	6.6	6.8
TCSB6100	6 x 100	50	5	6.6	6.8
TCSB6120	6 x 120	70	5	6.6	6.8
TP8G	T30 Plug to suit 6mm anchor				
TCSB845	8 x 45	5	6	6.8	14.1
TCSB860	8 x 60	10	6	7.6	14.1
TCSB870	8 x 70	10	6	11.2	14.1
TCSB880	8 x 80	20	6	11.2	14.1
TCSB8100	8 x 100	40	6	11.2	14.1
TCSB8120	8 x 120	60	6	11.2	14.1
TCSB8140	8 x 140	80	6	11.2	14.1
TP8G	T30 Plug to suit 8mm anchor				
TCSB1080	10 x 80	10	8	15.6	23.4
TCSB10100	10 x 100	30	8	15.6	23.4
TCSB10120	10 x 120	50	8	15.6	23.4
TCSB10140	10 x 140	70	8	15.6	23.4
TCSB10160	10 x 160	90	8	15.6	23.4
TP10G	T40 Plug to suit 8mm anchor				
TCSB12100	12 x 100	20	10	24.4	30.6
TCSB12120	12 x 120	40	10	24.4	30.6
TCSB12140	12 x 140	60	10	24.4	30.6
TCSB12180	12 x 180	100	10	24.4	30.6

\* Pull-out and Shear loads shown in the table are characteristic loads from tests run on non-cracked concrete C20/25 without edge and spacing effect. (Pull-out and shear loads are in kN; 1kN = 100Kg) Characteristic loads can be used for Ultimate limited state design of anchorages for use in concrete according to ETAG001-Part C, or CEN/TS 1992-4-1:2009. In cases of concrete with a strength class lower than C20/25, or in case of further types of heavy masonry or stone, additional and special tests before installation are required.

## Button Head with serrations Concrete screw

Part No.	Size	Max Fixture thickness (mm)	Drill Hole Diam. (mm)	PULL OUT (kN)	SHEAR (kN)
TBSB860	8 x 60	10	6	7.6	14.1
TBSB880	8 x 80	20	6	11.2	14.1
TBSB8100	8 x 100	40	6	11.2	14.1
TBSB8120	8 x 120	60	6	11.2	14.1
TP8G	T30 Plug to suit 8mm anchor				
TBSB1060	10 x 60	10	8	9.2	23.4
TBSB1080	10 x 80	10	8	15.6	23.4
TBSB10100	10 x 100	30	8	15.6	23.4
TBSB10120	10 x 120	50	8	15.6	23.4
TP10G	T40 Plug to suit 10mm anchor				

\* Pull-out and Shear loads shown in the table are characteristic loads from tests run on non-cracked concrete C20/25 without edge and spacing effect. (Pull-out and shear loads are in kN; 1kN = 100Kg) Characteristic loads can be used for Ultimate limited state design of anchorages for use in concrete according to ETAG001-Part C, or CEN/TS 1992-4-1:2009. In cases of concrete with a strength class lower than C20/25, or in case of further types of heavy masonry or stone, additional and special tests before installation are required.

