

# TECHNICAL SPECIFICATIONS - TEK<sup>®</sup> SCREWS

## Actual Average Pullout Loads

### Buildex TEKS<sup>®</sup> Screws

#### Pullout data into G450 Steel (Kilo Newtons)

Hi Tek	1.0mm G450	1.2mm G450	1.5mm G450	1.9mm G450	2.4mm G450	3.2mm G450
6-18	2	2	3.3	-	-	-
6-20	1.8	2.4	3.4	-	-	-
8-18	2.3	2.9	3.7			
10-16	2.8	3.5	4.3	5.8	8.3	9.5
10-24	2.4	2.8	3.5	3.1	7	10.4
12-14	2.8	3.1	4.2	5.5	7.3	9.4
12-24	2.4	2.9	3.9	5.4	7.3	10.4
Roof Zips	2.6	3.2	4.8	6.2	-	-
14-10	3	3.4	4.6	6.4	8.3	9.8
14-20	2.6	3.2	4.2	5.5	7.7	11

#### Pullout data into G250/G300 Steel (Kilo Newtons)

Hi Tek	1.0mm G250	1.2mm G300	1.5mm G250	1.9mm G300	2.4mm G250	3.2mm G250
6-18	1.3	2	2.7	-	-	-
6-20	1.3	1.9	2.7	-	-	-
8-18	1.5	2.1	3	2.6	5.9	-
10-16	1.8	2.5	3.4	4.9	7	8.4
10-24	1.5	2.2	3.3	2.8	8.4	8.1
12-14	1.7	2.4	3.4	3	6.9	8.9
12-24	1.5	2.1	3	2.8	6.3	8.2
14-10	1.8	2.5	3.7	6.4	7.6	9.7
14-20	1.4	2.1	3.6	3	6.8	9.2



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# TECHNICAL SPECIFICATIONS - TEK<sup>®</sup> SCREWS

## Actual Average Pullout Loads

### Buildex TEKS<sup>®</sup> Screws

Pullout data into RONDO Steel (Kilo Newtons)

Hi Tek	0.6mm RONDO	0.8mm RONDO	1.2mm RONDO
6-18	0.6	0.9	1.7
6-20	0.6	0.9	1.6
8-18	0.7	1.1	1.8
10-16	0.8	1.3	2.2
10-24	0.7	1	1.9
12-14	0.9	1.3	2
12-24	0.7	1	1.8
14-10	1	1.4	2.4
14-20	0.8	1.1	1.8

## Mechanical Properties

Shear (kN), Tensile (kN) and Torsional Strengths (Nm)

Hi Tek	Single Shear	Axial Tensile	Torsional
6-18	3.4	4.2	3.4
6-20	3.5	4.3	3.5
8-18	5.1	6.3	5.9
10-16	6.8	11.9	8.4
10-24	6.2	11.4	8.6
12-14	8.8	15.3	13.2
12-24	9	16.7	13.5
13-13	8.7	15	12.5
Roof Zips	8.5	15.4	14
14-10	10.9	19.7	18.5
14-20	11.2	21.2	20.4
15-15	6.4	15.3	12.6

Note: All values are averages obtained under laboratory conditions (N.A.T.A approved). Appropriate safety factors could be applied for design purposes. These figures apply to Buildex<sup>®</sup> (BX Head marked) products only.



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