

Declaration of Performance

TechFast Masonry Screw - Countersunk

Document Number:
DOPTF419

1. Unique identification code of the product-type:

TechFast Masonry Screw - Countersunk

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

Head: Countersunk. Recess: Torx. Full/Partial Thread. Material 10B21

3. Intended use or uses of the construction product, in accordance with the applicable harmonised/designated technical specification, as foreseen by the manufacturer:

Mechanical fastener for fixing to masonry

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

ForgeFix Ltd. Galleon Blvd, Crossways Bus. Park, Dartford, Kent DA2 6QE, UK.

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

Tucks Fasteners Ltd. Century Bus. Park, 10 St Margaret's Rd, Dublin, D11 TN80, IE.

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

a. CE - AVCP System 4

7. Harmonised / Designated standard:

EN 14566:2008+A1:2009

8. Notified body/ies:

Notified Body: N/A

European Technical Assessment: N/A

9. Declared performance/s:

TechFast Masonry Screw (Countersunk) - Flexural Strength Test

Size	Sample Screw No.	Breakage or Cracking
4.8mm	1-50	Pass
6.3mm	1-50	Pass

Summary : Pass: 50 pcs Fail: 0 pcs

TechFast Masonry Screw (Countersunk) - Withdrawal Test 4.8mm

No.	Withdrawal Force
1	864N
2	827N
3	810N
4	859N
5	876N
6	815N
7	857N
8	867N
9	827N
10	829N
11	867N
12	869N
13	870N

No.	Withdrawal Force
14	867N
15	839N
16	812N
17	820N
18	844N
19	846N
20	857N
21	819N
22	828N
23	825N
24	867N
25	869N
26	870N

No.	Withdrawal Force
27	857N
28	874N
29	862N
30	831N
31	833N
32	837N
33	821N
34	831N
35	830N
36	827N
37	864N
38	867N
39	875N

No	Withdrawal Force
40	867N
41	812N
42	830N
43	850N
44	864N
45	845N
46	830N
47	860N
48	841N
49	832N
50	829N

Summary : Pass: 50 pcs Fail: 0 pcs

Test Result : PASS

TechFast Masonry Screw (Countersunk) - Withdrawal Test 6.3mm

No.	Withdrawal Force
1	1260N
2	1159N
3	1173N
4	1207N
5	1311N
6	1268N
7	1160N
8	1180N
9	1205N
10	1189N
11	1171N
12	1165N
13	1259N

No.	Withdrawal Force
14	1150N
15	1240N
16	1245N
17	1180N
18	1191N
19	1220N
20	1225N
21	1278N
22	1168N
23	1158N
24	1160N
25	1278N
26	1280N

No.	Withdrawal Force
27	1257N
28	1274N
29	1262N
30	1231N
31	1173N
32	1177N
33	1221N
34	1231N
35	1230N
36	1309N
37	1264N
38	1301N
39	1275N

No	Withdrawal Force
40	1167N
41	1212N
42	1230N
43	1250N
44	1164N
45	1145N
46	1230N
47	1260N
48	1241N
49	1192N
50	1229N

Summary : Pass: 50 pcs Fail: 0 pcs

Test Result : PASS

TechFast Masonry Screw (Countersunk) - Length Test (Dimension Measurement) 4.8 x 70mm

No.	Length
1	70.02mm
2	70.68mm
3	70.41mm
4	70.54mm
5	70.62mm
6	70.50mm
7	70.68mm
8	69.53mm
9	69.62mm
10	69.69mm
11	69.67mm
12	70.03mm
13	69.63mm

No.	Length
14	69.50mm
15	69.68mm
16	70.05mm
17	70.38mm
18	70.12mm
19	69.64mm
20	70.08mm
21	69.93mm
22	69.62mm
23	70.05mm
24	70.14mm
25	70.08mm
26	69.63mm

No.	Length
27	70.53mm
28	70.68mm
29	69.41mm
30	70.54mm
31	69.62mm
32	69.67mm
33	70.89mm
34	70.53mm
35	70.60mm
36	69.69mm
37	70.67mm
38	70.68mm
39	70.63mm

No	Length
40	69.59mm
41	70.68mm
42	69.60mm
43	69.59mm
44	69.66mm
45	70.57mm
46	70.68mm
47	70.73mm
48	70.65mm
49	70.69mm
50	69.67mm

Summary : Pass: 50 pcs Fail: 0 pcs

Test Result : PASS

TechFast Masonry Screw (Countersunk) - Length Test (Dimension Measurement) 6.3 x 70mm

No.	Length
1	69.69mm
2	70.66mm
3	70.48mm
4	69.54mm
5	70.62mm
6	70.60mm
7	70.69mm
8	69.63mm
9	69.65mm
10	69.70mm
11	69.68mm
12	70.13mm
13	69.73mm

No.	Length
14	69.55mm
15	69.67mm
16	70.15mm
17	70.48mm
18	70.82mm
19	69.65mm
20	70.28mm
21	69.94mm
22	69.67mm
23	70.35mm
24	70.18mm
25	70.18mm
26	69.63mm

No.	Length
27	70.33mm
28	70.58mm
29	69.44mm
30	70.64mm
31	69.68mm
32	69.67mm
33	70.99mm
34	70.55mm
35	70.67mm
36	69.69mm
37	70.68mm
38	70.58mm
39	70.53mm

No	Length
40	69.69mm
41	70.78mm
42	69.61mm
43	69.49mm
44	69.68mm
45	70.47mm
46	70.78mm
47	70.75mm
48	70.75mm
49	70.69mm
50	69.77mm

Summary : Pass: 50 pcs Fail: 0 pcs

Test Result : PASS

TechFast Masonry Screw (Countersunk) - Hardness Test 4.8mm

No.	Hardness
1	58.9 HRC
2	58.0 HRC
3	58.1 HRC
4	57.6 HRC
5	57.9 HRC
6	57.7 HRC
7	58.6 HRC
8	57.8 HRC
9	58.5 HRC
10	57.3 HRC
11	58.1 HRC
12	58.2 HRC
13	57.5 HRC

No.	Hardness
14	58.5 HRC
15	58.3 HRC
16	58.8 HRC
17	58.6 HRC
18	57.9 HRC
19	58.6 HRC
20	57.7 HRC
21	57.8 HRC
22	58.8 HRC
23	58.5 HRC
24	57.9 HRC
25	58.9 HRC
26	57.8 HRC

No.	Hardness
27	58.6 HRC
28	58.1 HRC
29	57.5 HRC
30	57.8 HRC
31	57.2 HRC
32	58.2 HRC
33	58.4 HRC
34	58.3 HRC
35	58.8 HRC
36	57.7 HRC
37	57.8 HRC
38	57.1 HRC
39	57.7 HRC

No	Hardness
40	56.8 HRC
41	57.5 HRC
42	57.7 HRC
43	58.9 HRC
44	58.7 HRC
45	59.9 HRC
46	58.9 HRC
47	58.8 HRC
48	58.6 HRC
49	57.8 HRC
50	59.3 HRC

Summary : Pass: 50 pcs Fail: 0 pcs

Test Result : PASS

TechFast Masonry Screw (Countersunk) - Hardness Test 6.3mm

No.	Hardness
1	59.9 HRC
2	59.6 HRC
3	59.4 HRC
4	59.5 HRC
5	58.6 HRC
6	59.5 HRC
7	59.4 HRC
8	59.3 HRC
9	59.2 HRC
10	59.8 HRC
11	59.6 HRC
12	59.1 HRC
13	59.7 HRC

No.	Hardness
14	58.5 HRC
15	59.6 HRC
16	59.1 HRC
17	59.4 HRC
18	59.8 HRC
19	58.6 HRC
20	59.2 HRC
21	59.9 HRC
22	60.6 HRC
23	59.3 HRC
24	58.1 HRC
25	59.1 HRC
26	58.6 HRC

No.	Hardness
27	59.3 HRC
28	59.5 HRC
29	59.4 HRC
30	58.6 HRC
31	59.7 HRC
32	59.6 HRC
33	58.9 HRC
34	60.5 HRC
35	58.6 HRC
36	59.6 HRC
37	59.6 HRC
38	58.5 HRC
39	57.5 HRC

No	Hardness
40	59.6 HRC
41	60.7 HRC
42	59.6 HRC
43	58.4 HRC
44	57.6 HRC
45	59.4 HRC
46	59.8 HRC
47	59.7 HRC
48	58.7 HRC
49	57.6 HRC
50	59.7 HRC

Summary : Pass: 50 pcs Fail: 0 pcs

Test Result : PASS

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of:

ForgeFix Ltd.

Place of issue:

ForgeFix Ltd. Galleon Blvd, Crossways Bus. Park, Dartford, Kent DA2 6QE, UK.

Date of issue:

01/01/2021

Name:

Anthony Armitt

Position:

Commercial Director

Signature:

A handwritten signature in black ink, appearing to read 'A. Armitt', is written over a horizontal dashed line.