

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	No.	Withdrawal Force	No.	Withdrawal Force	No	Withdrawal Force
1	864N	14	867N	27	857N	40	867N
2	827N	15	839N	28	874N	41	812N
3	810N	16	812N	29	862N	42	830N
4	859N	17	820N	30	831N	43	850N
5	876N	18	844N	31	833N	44	864N
6	815N	19	846N	32	837N	45	845N
7	857N	20	857N	33	821N	46	830N
8	867N	21	819N	34	831N	47	860N
9	827N	22	828N	35	830N	48	841N
10	829N	23	825N	36	827N	49	832N
11	867N	24	867N	37	864N	50	829N
12	869N	25	869N	38	867N		
13	870N	26	870N	39	875N		

Summary : Pass: 50 pcs Fail: 0 pcs

Test Result : PASS

TechFast Masonry Screw (Countersunk) - Withdrawal Test 6.3mm

No.	Withdrawal Force	No.	Withdrawal Force	No.	Withdrawal Force	No	Withdrawal Force
1	1260N	14	1150N	27	1257N	40	1167N
2	1159N	15	1240N	28	1274N	41	1212N
3	1173N	16	1245N	29	1262N	42	1230N
4	1207N	17	1180N	30	1231N	43	1250N
5	1311N	18	1191N	31	1173N	44	1164N
6	1268N	19	1220N	32	1177N	45	1145N
7	1160N	20	1225N	33	1221N	46	1230N
8	1180N	21	1278N	34	1231N	47	1260N
9	1205N	22	1168N	35	1230N	48	1241N
10	1189N	23	1158N	36	1309N	49	1192N
11	1171N	24	1160N	37	1264N	50	1229N
12	1165N	25	1278N	38	1301N		
13	1259N	26	1280N	39	1275N		

Summary : Pass: 50 pcs Fail: 0 pcs

Test Result : PASS

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

No.	Length	No.	Length	No.	Length	No	Length
1	70.02mm	14	69.50mm	27	70.53mm	40	69.59mm
2	70.68mm	15	69.68mm	28	70.68mm	41	70.68mm
3	70.41mm	16	70.05mm	29	69.41mm	42	69.60mm
4	70.54mm	17	70.38mm	30	70.54mm	43	69.59mm
5	70.62mm	18	70.12mm	31	69.62mm	44	69.66mm
6	70.50mm	19	69.64mm	32	69.67mm	45	70.57mm
7	70.68mm	20	70.08mm	33	70.89mm	46	70.68mm
8	69.53mm	21	69.93mm	34	70.53mm	47	70.73mm
9	69.62mm	22	69.62mm	35	70.60mm	48	70.65mm
10	69.69mm	23	70.05mm	36	69.69mm	49	70.69mm
11	69.67mm	24	70.14mm	37	70.67mm	50	69.67mm
12	70.03mm	25	70.08mm	38	70.68mm		
13	69.63mm	26	69.63mm	39	70.63mm		

Summary : Pass: 50 pcs Fail: 0 pcs

Test Result : PASS

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

No.	Length	No.	Length	No.	Length	No	Length
1	69.69mm	14	69.55mm	27	70.33mm	40	69.69mm
2	70.66mm	15	69.67mm	28	70.58mm	41	70.78mm
3	70.48mm	16	70.15mm	29	69.44mm	42	69.61mm
4	69.54mm	17	70.48mm	30	70.64mm	43	69.49mm
5	70.62mm	18	70.82mm	31	69.68mm	44	69.68mm
6	70.60mm	19	69.65mm	32	69.67mm	45	70.47mm
7	70.69mm	20	70.28mm	33	70.99mm	46	70.78mm
8	69.63mm	21	69.94mm	34	70.55mm	47	70.75mm
9	69.65mm	22	69.67mm	35	70.67mm	48	70.75mm
10	69.70mm	23	70.35mm	36	69.69mm	49	70.69mm
11	69.68mm	24	70.18mm	37	70.68mm	50	69.77mm
12	70.13mm	25	70.18mm	38	70.58mm		
13	69.73mm	26	69.63mm	39	70.53mm		

Summary : Pass: 50 pcs Fail: 0 pcs

Test Result : PASS

TechFast Masonry Screw (Countersunk) - Hardness Test 4.8mm

No.	Hardness	No.	Hardness	No.	Hardness	No	Hardness
1	58.9 HRC	14	58.5 HRC	27	58.6 HRC	40	56.8 HRC
2	58.0 HRC	15	58.3 HRC	28	58.1 HRC	41	57.5 HRC
3	58.1 HRC	16	58.8 HRC	29	57.5 HRC	42	57.7 HRC
4	57.6 HRC	17	58.6 HRC	30	57.8 HRC	43	58.9 HRC
5	57.9 HRC	18	57.9 HRC	31	57.2 HRC	44	58.7 HRC
6	57.7 HRC	19	58.6 HRC	32	58.2 HRC	45	59.9 HRC
7	58.6 HRC	20	57.7 HRC	33	58.4 HRC	46	58.9 HRC
8	57.8 HRC	21	57.8 HRC	34	58.3 HRC	47	58.8 HRC
9	58.5 HRC	22	58.8 HRC	35	58.8 HRC	48	58.6 HRC
10	57.3 HRC	23	58.5 HRC	36	57.7 HRC	49	57.8 HRC
11	58.1 HRC	24	57.9 HRC	37	57.8 HRC	50	59.3 HRC
12	58.2 HRC	25	58.9 HRC	38	57.1 HRC		
13	57.5 HRC	26	57.8 HRC	39	57.7 HRC		

Summary : Pass: 50 pcs Fail: 0 pcs

Test Result : PASS

TechFast Masonry Screw (Countersunk) - Hardness Test 6.3mm

No.	Hardness	No.	Hardness	No.	Hardness	No	Hardness
1	59.9 HRC	14	58.5 HRC	27	59.3 HRC	40	59.6 HRC
2	59.6 HRC	15	59.6 HRC	28	59.5 HRC	41	60.7 HRC
3	59.4 HRC	16	59.1 HRC	29	59.4 HRC	42	59.6 HRC
4	59.5 HRC	17	59.4 HRC	30	58.6 HRC	43	58.4 HRC
5	58.6 HRC	18	59.8 HRC	31	59.7 HRC	44	57.6 HRC
6	59.5 HRC	19	58.6 HRC	32	59.6 HRC	45	59.4 HRC
7	59.4 HRC	20	59.2 HRC	33	58.9 HRC	46	59.8 HRC
8	59.3 HRC	21	59.9 HRC	34	60.5 HRC	47	59.7 HRC
9	59.2 HRC	22	60.6 HRC	35	58.6 HRC	48	58.7 HRC
10	59.8 HRC	23	59.3 HRC	36	59.6 HRC	49	57.6 HRC
11	59.6 HRC	24	58.1 HRC	37	59.6 HRC	50	59.7 HRC
12	59.1 HRC	25	59.1 HRC	38	58.5 HRC		
13	59.7 HRC	26	58.6 HRC	39	57.5 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 positioned below the printed name and position.

Declaration of Performance

TechFast Masonry Screw - Hex

Document Number:
DOPTF519

1. Unique identification code of the product-type:

TechFast Masonry Screw - Hex

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

Head: Hex. 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:

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 (Hex) - Flexural Strength Test

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

Summary : Pass: 50 pcs Fail: 0 pcs

TechFast Masonry Screw (Hex) - Withdrawal Test 6.3mm

No.	Withdrawal Force	No.	Withdrawal Force	No.	Withdrawal Force	No	Withdrawal Force
1	1166N	14	1250N	27	1260N	40	1267N
2	1312N	15	1250N	28	1174N	41	1215N
3	1285N	16	1255N	29	1162N	42	1238N
4	1222N	17	1280N	30	1235N	43	1255N
5	1197N	18	1191N	31	1273N	44	1264N
6	1211N	19	1225N	32	1178N	45	1245N
7	1260N	20	1255N	33	1225N	46	1238N
8	1190N	21	1288N	34	1238N	47	1160N
9	1305N	22	1268N	35	1237N	48	1241N
10	1289N	23	1160N	36	1209N	49	1292N
11	1271N	24	1169N	37	1164N	50	1129N
12	1165N	25	1178N	38	1305N		
13	1159N	26	1180N	39	1175N		

Summary : Pass: 50 pcs Fail: 0 pcs

Test Result : PASS

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

No.	Length	No.	Length	No.	Length	No	Length
1	69.28mm	14	70.55mm	27	70.43mm	40	70.09mm
2	70.66mm	15	69.57mm	28	70.68mm	41	70.18mm
3	70.28mm	16	69.15mm	29	69.45mm	42	69.51mm
4	70.54mm	17	69.48mm	30	70.68mm	43	69.47mm
5	70.68mm	18	70.85mm	31	69.70mm	44	68.78mm
6	69.60mm	19	69.68mm	32	69.57mm	45	69.47mm
7	69.69mm	20	70.48mm	33	70.90mm	46	69.78mm
8	70.63mm	21	69.98mm	34	70.85mm	47	69.75mm
9	70.65mm	22	70.67mm	35	70.77mm	48	70.55mm
10	69.80mm	23	69.35mm	36	69.64mm	49	70.59mm
11	69.78mm	24	69.18mm	37	69.68mm	50	68.77mm
12	69.13mm	25	68.90mm	38	69.58mm		
13	69.73mm	26	69.65mm	39	69.53mm		

Summary : Pass: 50 pcs Fail: 0 pcs

Test Result : PASS

TechFast Masonry Screw (Hex) - Hardness Test 6.3mm

No.	Hardness	No.	Hardness	No.	Hardness	No	Hardness
1	61.4 HRC	14	60.5 HRC	27	59.2 HRC	40	60.8 HRC
2	60.0 HRC	15	59.2 HRC	28	60.1 HRC	41	59.5 HRC
3	59.8 HRC	16	59.9 HRC	29	59.5 HRC	42	60.7 HRC
4	60.7 HRC	17	60.9 HRC	30	61.2 HRC	43	59.9 HRC
5	59.8 HRC	18	59.8 HRC	31	60.0 HRC	44	59.4 HRC
6	59.9 HRC	19	60.7 HRC	32	59.2 HRC	45	59.9 HRC
7	61.8 HRC	20	61.9 HRC	33	60.4 HRC	46	60.9 HRC
8	60.6 HRC	21	60.1 HRC	34	59.4 HRC	47	59.8 HRC
9	59.5 HRC	22	59.8 HRC	35	60.8 HRC	48	59.8 HRC
10	60.1 HRC	23	61.5 HRC	36	59.9 HRC	49	60.5 HRC
11	59.0 HRC	24	59.9 HRC	37	59.7 HRC	50	59.3 HRC
12	60.2 HRC	25	60.9 HRC	38	59.1 HRC		
13	59.5 HRC	26	60.6 HRC	39	61.7 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:



Declaration of Performance

TechFast Masonry Screw - Pan

Document Number:
DOPTF619

1. Unique identification code of the product-type:

TechFast Masonry Screw - Pan

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

Head: Pan. Recess: Torx. Full 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:

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 (Pan) - Flexural Strength Test

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

Summary : Pass: 50 pcs Fail: 0 pcs

TechFast Masonry Screw (Pan) - Withdrawal Test 4.8mm

No.	Withdrawal Force	No.	Withdrawal Force	No.	Withdrawal Force	No	Withdrawal Force
1	862N	14	860N	27	831N	40	841N
2	831N	15	841N	28	833N	41	832N
3	833N	16	832N	29	837N	42	829N
4	837N	17	829N	30	821N	43	864N
5	821N	18	864N	31	831N	44	867N
6	831N	19	867N	32	813N	45	830N
7	830N	20	863N	33	855N	46	799N
8	827N	21	812N	34	839N	47	832N
9	850N	22	830N	35	821N	48	829N
10	864N	23	857N	36	831N	49	864N
11	845N	24	829N	37	830N	50	823N
12	830N	25	833N	38	821N		
13	799N	26	829N	39	831N		

Summary : Pass: 50 pcs Fail: 0 pcs

Test Result : PASS

TechFast Masonry Screw (Pan) - Length Test (Dimension Measurement) 4.8 x 45mm

No.	Length	No.	Length	No.	Length	No	Length
1	44.10mm	14	43.88mm	27	43.89mm	40	44.02mm
2	43.88mm	15	44.12mm	28	44.05mm	41	43.91mm
3	44.12mm	16	43.89mm	29	44.12mm	42	44.03mm
4	43.89mm	17	44.05mm	30	43.89mm	43	43.91mm
5	44.05mm	18	44.05mm	31	44.05mm	44	44.03mm
6	43.98mm	19	44.12mm	32	43.98mm	45	44.05mm
7	43.95mm	20	43.89mm	33	43.95mm	46	43.98mm
8	44.03mm	21	43.98mm	34	43.89mm	47	43.95mm
9	43.96mm	22	43.95mm	35	44.05mm	48	44.12mm
10	44.02mm	23	43.89mm	36	44.05mm	49	43.89mm
11	43.91mm	24	44.05mm	37	44.12mm	50	44.12mm
12	44.03mm	25	44.05mm	38	44.03mm		
13	44.04mm	26	43.89mm	39	44.05mm		

Summary : Pass: 50 pcs Fail: 0 pcs

Test Result : PASS

TechFast Masonry Screw (Pan) - Hardness Test 6.3mm

No.	Hardness	No.	Hardness	No.	Hardness	No	Hardness
1	58.5 HRC	14	58.5 HRC	27	58.6 HRC	40	59.0 HRC
2	57.3 HRC	15	58.3 HRC	28	58.1 HRC	41	59.1 HRC
3	58.1 HRC	16	59.0 HRC	29	57.5 HRC	42	57.9 HRC
4	58.2 HRC	17	59.1 HRC	30	57.8 HRC	43	58.6 HRC
5	59.2 HRC	18	57.9 HRC	31	57.2 HRC	44	57.7 HRC
6	57.7 HRC	19	58.6 HRC	32	59.1 HRC	45	59.0 HRC
7	58.6 HRC	20	57.7 HRC	33	58.4 HRC	46	58.9 HRC
8	57.8 HRC	21	59.0 HRC	34	58.3 HRC	47	58.8 HRC
9	58.5 HRC	22	57.6 HRC	35	59.0 HRC	48	58.6 HRC
10	57.3 HRC	23	58.5 HRC	36	58.9 HRC	49	57.8 HRC
11	58.1 HRC	24	57.9 HRC	37	58.8 HRC	50	59.2 HRC
12	58.2 HRC	25	58.9 HRC	38	57.1 HRC		
13	57.5 HRC	26	57.8 HRC	39	57.7 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:

