




# DECLARATION OF PERFORMANCE

## Classic Multi-Purpose Screws

 DOP4 v3 24/01/2020	T.I.Midwood & Co Ltd, Green Lane, Wardle, Nantwich, Cheshire, CW5 6BJ 13	Meets the requirements detailed in Annex V of the following harmonized standard; <b>BS EN 14592:2008 + 2012</b> <b>Timber structure - Dowel type fasteners requirements</b> We declare that when used as intended the products above comply with relevant sections of the specification and all applicable requirements of the directives.
	We hereby declare the following designated products; <b>Classic Multi-Purpose Screws</b> <b>Diameter - 3.0mm, 3.5mm, 4.0mm, 4.5mm, 5.0mm, 6.0mm</b>	

DIMENSIONS								
Diameter (mm)		3.0	3.5	4.0	4.5	5.0	6.0	
Head diameter (mm)		5.82	6.68	7.62	8.76	9.74	11.57	
Inner thread diameter (mm)		2.00	2.25	2.50	2.70	3.10	3.80	
MATERIAL								
Material		Carbon Steel						
FINISH & CORROSION PROTECTION								
Finish		Zinc				Zinc & Yellow		Nickel
Corrosion Protection		Service Class 1						
MECHANICAL STRENGTH & STIFFNESS								
Characteristic yield moment $M_{y,k}$ (Nmm) in acc. with BS EN 409:2009		1051	2873	4186	5171	7157	11810	
Test material for withdrawal parameter test		Timber (Condition - Density : 390kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 390kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 390kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 420kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 410kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 420kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	
Characteristic withdrawal parameter $f_{ax,k}$ (N/mm <sup>2</sup> ) in acc. with BS EN 1382:2000	Across the fibre	17.99	18.55	17.85	19.42	18.29	16.94	
	Along the fibre	12.37	11.04	11.52	13.22	10.12	10.18	
Test material for head pull-through test		Timber (Condition - Density : 500kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 500kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 500kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 500kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 500kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 445kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	
Head pull-through parameter $f_{head,k}$ (N/mm <sup>2</sup> ) in acc. with BS EN 1383:2000	Countersunk	45.41	35.55	28.02	27.02	24.90	27.70	
	Pan	-	45.75	33.61	-	-	-	
	Hinge	56.88	-	-	-	-	-	
Characteristic tensile capacity $f_{tens,k}$ (kN) in acc. with BS EN 1383:2000		3.11	4.57	5.99	6.75	9.74	11.88	
Test material for torsional ratio test		Timber (Condition - Density : 450kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 450kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 450kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 450kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 450kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 450kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	
Characteristic torsional ratio ( $F_{tor,k}/R_{tor,k}$ ) in acc. with BS EN 14592:2012		6.28	2.90	3.45	3.36	3.86	2.94	
CERTS & REPORTS								
Certification Number		E-30-20008-13	E-30-20009-13	E-30-20010-13	E-30-20011-13	E-30-20012-13	E-30-20013-13	
Test Report Number		30-9797/7	30-9797/8	30-9797/9	30-9797/10	30-9797/11	30-9797/12	

The initial type testing has been carried out by independent notified body;  
**Strojirensky Zkusebni Ustav, NB # 1015, Hudcova 424/56B, 621 00 Brno-Medlanky, Czechia**

FPC has been established by the factory and independently audited by TUV Rheinland UK in accordance with ISO9001

This declaration of conformity is valid until there is a significant change in the product and declared characteristics.  
 ie. Raw material or change in production process.

Simon Midwood  
 Managing Director

19/05/2013

Date

TIMco House, CW5 6BJ

Location



# DECLARATION OF PERFORMANCE

## Classic Multi-Purpose Screws - Exterior (Black Organic)

 DOP4 v3 24/01/2020	T.I.Midwood & Co Ltd, Green Lane, Wardle, Nantwich, Cheshire, CW5 6BJ 13	Meets the requirements detailed in Annex V of the following harmonized standard; <b>BS EN 14592:2008 + 2012</b> <b>Timber structure - Dowel type fasteners requirements</b> We declare that when used as intended the products above comply with relevant sections of the specification and all applicable requirements of the directives.
	We hereby declare the following designated products; <b>Classic Multi-Purpose Screws - Exterior (Black Organic)</b> <b>Diameter - 3.0mm, 3.5mm, 4.0mm &amp; 5.0mm</b>	

DIMENSIONS					
Diameter (mm)		3.0	3.5	4.0	5.0
Head diameter (mm)		5.82	6.68	7.62	9.74
Inner thread diameter (mm)		2.00	2.25	2.50	3.10
MATERIAL					
Material		Carbon Steel			
FINISH & CORROSION PROTECTION					
Finish		Exterior (Black Organic)			
Corrosion Protection		Service Class 3			
MECHANICAL STRENGTH & STIFFNESS					
Characteristic yield moment $M_{y,k}$ (Nmm) in acc. with BS EN 409:2009		1051	2873	4186	7157
Test material for withdrawal parameter test		Timber (Condition - Density : 390kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 390kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 390kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 410kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)
Characteristic withdrawal parameter $f_{ax,k}$ (N/mm <sup>2</sup> ) in acc. with BS EN 1382:2000	Across the fibre	17.99	18.55	17.85	18.29
	Along the fibre	12.37	11.04	11.52	10.12
Test material for head pull-through test		Timber (Condition - Density : 500kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 500kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 500kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 500kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)
Head pull-through parameter $f_{head,k}$ (N/mm <sup>2</sup> ) in acc. with BS EN 1383:2000		45.41	35.55	28.02	24.90
Characteristic tensile capacity $f_{tens,k}$ (kN) in acc. with BS EN 1383:2000		3.11	4.57	5.99	9.74
Test material for torsional ratio test		Timber (Condition - Density : 450kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 450kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 450kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 450kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)
Characteristic torsional ratio ( $F_{tor,k}/R_{tor,k}$ ) in acc. with BS EN 14592:2012		6.28	2.90	3.45	3.86
CERTS & REPORTS					
Certification Number		E-30-20008-13	E-30-20009-13	E-30-20010-13	E-30-20012-13
Test Report Number		30-9797/7	30-9797/8	30-9797/9	30-9797/11

The initial type testing has been carried out by independent notified body;

**Strojirensky Zkusebni Ustav, NB # 1015, Hudcova 424/56B, 621 00 Brno-Medlanky, Czechia**

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ie. Raw material or change in production process.

Simon Midwood  
Managing Director

19/05/2013

Date


TIMco House, CW5 6BJ

Location



# DECLARATION OF PERFORMANCE

## Classic Stainless Steel Multi-Purpose Screws

 DOP4 v3 24/01/2020	T.I.Midwood & Co Ltd, Green Lane, Wardle, Nantwich, Cheshire, CW5 6BJ 13	Meets the requirements detailed in Annex V of the following harmonized standard; <b>BS EN 14592:2008 + 2012</b> <b>Timber structure - Dowel type fasteners requirements</b> We declare that when used as intended the products above comply with relevant sections of the specification and all applicable requirements of the directives.
	We hereby declare the following designated products; <b>Classic Stainless Steel Multi-Purpose Screws</b> <b>Diameter - 3.0mm, 3.5mm, 4.0mm, 4.5mm, 5.0mm, 6.0mm</b>	

DIMENSIONS							
Diameter (mm)		3.0	3.5	4.0	4.5	5.0	6.0
Head diameter (mm)		5.82	6.68	7.87	8.76	9.74	11.57
Inner thread diameter (mm)		2.00	2.25	2.50	2.70	3.10	3.80
MATERIAL							
Material		Austenitic Stainless Steel (A2-304)					
FINISH & CORROSION PROTECTION							
Finish		N/A					
Corrosion Protection		Service Class 3					
MECHANICAL STRENGTH & STIFFNESS							
Characteristic yield moment $M_{y,k}$ (Nmm) in acc. with BS EN 409:2009		1212	1839	2448	3426	4738	7234
Test material for withdrawal parameter test		Timber (Condition - Density : 390kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 390kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 390kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 420kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 410kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 420kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)
Characteristic withdrawal parameter $f_{ax,k}$ (N/mm <sup>2</sup> ) in acc. with BS EN 1382:2000	Across the fibre	20.14	17.80	18.62	20.97	20.92	18.63
	Along the fibre	12.96	11.58	10.23	11.86	14.08	13.05
Test material for head pull-through test		Timber (Condition - Density : 375kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 500kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 370kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 390kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 420kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 465kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)
Head pull-through parameter $f_{head,k}$ (N/mm <sup>2</sup> ) in acc. with BS EN 1383:2000	Countersunk	38.56	28.12	24.59	20.56	22.08	26.90
Characteristic tensile capacity $f_{tens,k}$ (kN) in acc. with BS EN 1383:2000		2.27	2.80	3.38	4.13	5.07	5.72
Test material for torsional ratio test		Timber (Condition - Density : 450kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 450kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 450kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 450kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 450kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 450kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)
Characteristic torsional ratio ( $F_{tor,k}/R_{tor,k}$ ) in acc. with BS EN 14592:2012		2.01	1.81	1.25	1.24	1.23	1.41
CERTS & REPORTS							
Certification Number		E-30-20002-13	E-30-20003-13	E-30-20004-13	E-30-20005-13	E-30-20006-13	E-30-20447-14
Test Report Number		30-9797/1	30-9797/2	30-9797/3	30-9797/4	30-9797/5	30-10214

The initial type testing has been carried out by independent notified body;  
**Strojirensky Zkusebni Ustav, NB # 1015, Hudcova 424/56B, 621 00 Brno-Medlanky, Czechia**

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