



# DECLARATION OF PERFORMANCE

## Velocity Premium Multi-Use Screws

 DOP3 v2	T.I.Midwood & Co Ltd, Green Lane, Wardle, Nantwich, Cheshire, CW5 6BJ 12	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>Velocity Premium Multi-Use Screws</b> <b>Diameter - 3.0mm, 3.5mm, 4.0mm, 4.5mm, 5.0mm, 6.0mm &amp; 8.0mm</b>	

DIMENSIONS							
Diameter (mm)	3.0	3.5	4.0	4.5	5.0	6.0	8.0
Head diameter (mm)	5.80	6.70	7.70	8.50	9.50	11.40	14.80
Inner thread diameter (mm)	2.15	2.50	2.80	3.10	3.50	4.20	5.30
MATERIAL							
Material	Carbon Steel						
FINISH & CORROSION PROTECTION							
Finish	Zinc & Yellow						
Corrosion Protection	Service Class 1						
MECHANICAL STRENGTH & STIFFNESS							
Characteristic yield moment $M_{y,x}$ (Nmm) in acc. with BS EN 409:2009	1824	3137	40.59	60.9	8015	13980	23988
Test material for withdrawal parameter test	Timber (Condition - Density : 415kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 415kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 415kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 415kg/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 : 425kg/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	19.06	18.75	19.15	21.42	17.87	20.24
	Along the fibre	14.29	10.63	12.98	13.56	12.94	14.15
Test material for head pull-through test	Timber (Condition - Density : 440kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 485kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 440kg/m <sup>3</sup> , Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 485kg/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 : 470kg/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	24.83	22.81	21.00	23.56	24.31	22.17	29.61
Characteristic tensile capacity $f_{tens,k}$ (kN) in acc. with BS EN 1383:2000	3.39	4.52	6.12	6.81	8.33	11.52	18.45
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%)	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 14592:2009	4.24	4.57	3.16	3.35	3.82	3.00	2.08
CERTS & REPORTS							
Certification Number	J-30-20271-12	J-30-20272-12	J-30-20273-12	J-30-20274-12	J-30-20275-12	J-30-20276-12	J-30-20277-12
Test Report Number	30-9695/1	30-9695/2	30-9695/3	30-9695/4	30-9695/5	30-9695/6	30-9695/7

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

19/05/2015

Date

TIMco House, CW5 6BJ

Location