



DECLARATION OF PERFORMANCE

Solo Coach Screws

 DOP71 v2 22/08/2019	T.I. Midwood & Co Ltd, Green Lane, Wardle, Nantwich, Cheshire, CW5 6BJ 17	Meets the requirements detailed in Annex V of the following harmonized standard; BS EN 14592:2008 + 2012 Timber structure - Dowel type fasteners requirements 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; Solo Coach Screws Diameter - 6.0mm, 8.0mm, 10.0mm & 12.0mm	

DIMENSIONS					
Thread diameter (mm)		6.0	8.0	10.0	12.0
Head diameter (mm)		11.93	14.16	17.11	21.53
Inner thread diameter (mm)		3.73	5.33	6.25	7.81
MATERIAL					
Material		Carbon Steel			
FINISH & CORROSION PROTECTION					
Finish		Zinc & Yellow			
Corrosion Protection		Service Class 1			
MECHANICAL STRENGTH & STIFFNESS					
Characteristic yield moment $M_{y,k}$ (Nmm) in acc. with BS EN 409:2009	Thread	13548	28196	44198	70290
	Smooth	18417	N/A	N/A	N/A
Test material for withdrawal parameter test		Timber (Condition - Density : 350kg/m3, Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 450kg/m3, Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 450kg/m3, Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 450kg/m3, Temperature : 20°C, Humidity : 65%)
Characteristic withdrawal parameter $f_{ax,k}$ (N/mm ²) in acc. with BS EN 1382:2016	Across the fibre	17.47	16.89	15.60	14.69
	Along the fibre	14.82	12.74	11.36	9.78
Test material for head pull-through test		Timber (Condition - Density : 350kg/m3, Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 450kg/m3, Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 450kg/m3, Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 450kg/m3, Temperature : 20°C, Humidity : 65%)
Head pull-through parameter $f_{head,k}$ (N/mm ²) in acc. with BS EN 1383:2016		27.19	34.94	30.05	26.52
Characteristic tensile capacity $f_{tens,k}$ (kN) in acc. with BS EN 1383:2016		10.41	15.31	23.92	37.40
Test material for torsional ratio test in acc. with BS EN 15737:2010		Timber (Condition - Density : 450kg/m3, Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 450kg/m3, Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 450kg/m3, Temperature : 20°C, Humidity : 65%)	Timber (Condition - Density : 450kg/m3, Temperature : 20°C, Humidity : 65%)
Characteristic torsional ratio		2.10	2.45	3.78	2.94
CERTS & REPORTS					
Certification Number		E-30-20101-17	E-30-20102-17	E-30-20103-17	E-30-20104-17
Test Report Number		30-10971/1	30-10971/2	30-10971/3	30-10971/4

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

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

10/08/2017

Date

TIMco House, CW5 6BJ

Location