

Product Type	Timberfix 360 multipurpose screws 3mm-6mm diameter		
Identification	Countersunk pozi screws , bright zinc plated and zinc and yellow passivated		
Intended use	General light construction work and joinery in particular timber to timber connections		
Manufacturer/Importer	Aptus Fastener Systems Ltd Manufacturing Plant ref: 00484 Salterwood Drive Denby Hall Business Park Denby Derbyshire DE5 8JY	Notified Testing Body for ITT	Zavod ZA Gradbenstvo Slovenije Slovenian National Building and Civil Engineering Institute NB reference 1404

Tested to : EN14592:2008+A1:2012 under system 3
 Test values not specific to fastener length , RPM 70
 Manufacturing plant 00484 with FPC accredited to TS16949

3mm diameter					
Essential Characteristics	Ref	Performance	UOM	Technical Specification	Certificate Number
Yield Moment	$M_{y,k}$	2340	Nmm	EN14592 clause 6.3.4.1-6.3.4.2 to EN409:2009	PP 0709/14-630-1
Withdrawal Parameter	$f_{ax,k}$	21.11	Nmm ²	EN14592 clause 6.3.4.3 to EN1382:1999 characteristic timber density >C24 450 Kg/m ³	PP 0709/14-630-1 PP 0709/14-630-1
Head Pull through Parameter	$f_{head,k}$	24.41	Nmm ²	EN14592 clause 6.3.4.4 to EN1383:2007 characteristic timber density >C24 450 Kg/m ³	PP 0709/14-630-1
Characteristic Tensile Capacity	$f_{tens,k}$	3.33	kN	EN14592 clause 6.3.4.5 to EN1383:2007	PP 0709/14-630-1
Characteristic Torsional Ratio	$f_{tor,k}/P_{tor,k}$	7.55 Complies		EN14592 clause 6.3.4.6 to EN15737:2009 characteristic timber density >C24 450 Kg/m ³	PP 0709/14-630-1

3.5mm diameter					
Essential Characteristics	Ref	Performance	UOM	Technical Specification	Certificate Number
Yield Moment	$M_{y,k}$	3090	Nmm	EN14592 clause 6.3.4.1-6.3.4.2 to EN409:2009	PP 0709/14-630-1
Withdrawal Parameter	$f_{ax,k}$	23.72	Nmm ²	EN14592 clause 6.3.4.3 to EN1382:1999 characteristic timber density >C24 450 Kg/m ³	PP 0709/14-630-1 PP 0709/14-630-1
Head Pull through Parameter	$f_{head,k}$	34.86	Nmm ²	EN14592 clause 6.3.4.4 to EN1383:2007 characteristic timber density >C24 450 Kg/m ³	PP 0709/14-630-1
Characteristic Tensile Capacity	$f_{tens,k}$	3.46	kN	EN14592 clause 6.3.4.5 to EN1383:2007	PP 0709/14-630-1
Characteristic Torsional Ratio	$f_{tor,k}/P_{tor,k}$	4.17 Complies		EN14592 clause 6.3.4.6 to EN15737:2009 characteristic timber density >C24 450 Kg/m ³	PP 0709/14-630-1

4mm diameter					
Essential Characteristics	Ref	Performance	UOM	Technical Specification	Certificate Number
Yield Moment	$M_{y,k}$	5600	Nmm	EN14592 clause 6.3.4.1-6.3.4.2 to EN409:2009	PP 0709/14-630-1
Withdrawal Parameter	$f_{ax,k}$	25.36	Nmm ²	EN14592 clause 6.3.4.3 to EN1382:1999 characteristic timber density >C24 450 Kg/m ³	PP 0709/14-630-1 PP 0709/14-630-1
Head Pull through Parameter	$f_{head,k}$	27.58	Nmm ²	EN14592 clause 6.3.4.4 to EN1383:2007 characteristic timber density >C24 450 Kg/m ³	PP 0709/14-630-1
Characteristic Tensile Capacity	$f_{tens,k}$	6.28	kN	EN14592 clause 6.3.4.5 to EN1383:2007	PP 0709/14-630-1
Characteristic Torsional Ratio	$f_{tor,k}/P_{tor,k}$	4.99 Complies		EN14592 clause 6.3.4.6 to EN15737:2009 characteristic timber density >C24 450 Kg/m ³	PP 0709/14-630-1

4.5mm diameter					
Essential Characteristics	Ref	Performance	UOM	Technical Specification	Certificate Number
Yield Moment	$M_{y,k}$	8310	Nmm	EN14592 clause 6.3.4.1-6.3.4.2 to EN409:2009	PP 0709/14-630-1
Withdrawal Parameter	$f_{ax,k}$	17.31	Nmm ²	EN14592 clause 6.3.4.3 to EN1382:1999 characteristic timber density >C24 450 Kg/m ³	PP 0709/14-630-1 PP 0709/14-630-1
Head Pull through Parameter	$f_{head,k}$	42.72	Nmm ²	EN14592 clause 6.3.4.4 to EN1383:2007 characteristic timber density >C24 450 Kg/m ³	PP 0709/14-630-1
Characteristic Tensile Capacity	$f_{tens,k}$	7.63	kN	EN14592 clause 6.3.4.5 to EN1383:2007	PP 0709/14-630-1
Characteristic Torsional Ratio	$f_{tor,k}/P_{tor,k}$	4.24 Complies		EN14592 clause 6.3.4.6 to EN15737:2009 characteristic timber density >C24 450 Kg/m ³	PP 0709/14-630-1

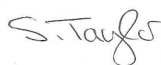
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Tested to : EN14592:2008+A1:2012 under system 3
 Test values not specific to fastener length , RPM 70
 Manufacturing plant 00484 with FPC accredited to TS16949

5mm diameter					
Essential Characteristics	Ref	Performance	UOM	Technical Specification	Certificate Number
Yield Moment	$M_{y,k}$	10350	Nmm	EN14592 clause 6.3.4.1-6.3.4.2 to EN409:2009	PP 0709/14-630-1
Withdrawal Parameter	$f_{ax,k}$	22.16	Nmm ²	EN14592 clause 6.3.4.3 to EN1382:1999 characteristic timber density >C24 450 Kg/m ³	PP 0709/14-630-1 PP 0709/14-630-1
Head Pull through Parameter	$f_{head,k}$	20.38	Nmm ²	EN14592 clause 6.3.4.4 to EN1383:2007 characteristic timber density >C24 450 Kg/m ³	PP 0709/14-630-1
Characteristic Tensile Capacity	$f_{tens,k}$	8.55	kN	EN14592 clause 6.3.4.5 to EN1383:2007	PP 0709/14-630-1
Characteristic Torsional Ratio	$f_{tor,k}/P_{tor,k}$	3.56 Complies		EN14592 clause 6.3.4.6 to EN15737:2009 characteristic timber density >C24 450 Kg/m ³	PP 0709/14-630-1

6mm diameter					
Essential Characteristics	Ref	Performance	UOM	Technical Specification	Certificate Number
Yield Moment	$M_{y,k}$	17360	Nmm	EN14592 clause 6.3.4.1-6.3.4.2 to EN409:2009	PP 0709/14-630-1
Withdrawal Parameter	$f_{ax,k}$	20.66	Nmm ²	EN14592 clause 6.3.4.3 to EN1382:1999 characteristic timber density >C24 450 Kg/m ³	PP 0709/14-630-1 PP 0709/14-630-1
Head Pull through Parameter	$f_{head,k}$	13.76	Nmm ²	EN14592 clause 6.3.4.4 to EN1383:2007 characteristic timber density >C24 450 Kg/m ³	PP 0709/14-630-1
Characteristic Tensile Capacity	$f_{tens,k}$	12.76	kN	EN14592 clause 6.3.4.5 to EN1383:2007	PP 0709/14-630-1
Characteristic Torsional Ratio	$f_{tor,k}/P_{tor,k}$	4.74 Complies		EN14592 clause 6.3.4.6 to EN15737:2009 characteristic timber density >C24 450 Kg/m ³	PP 0709/14-630-1

Common to all diameters					
Essential Characteristics	Ref	Performance	UOM	Technical Specification	Certificate Number
Geometry	various	Complies (nom)		EN14592 section 5/6	PP 0709/14-630-1
Material		C1022		Carbon steel to EN10016	FPC
Durability		Zinc plated		Service class 1 according to EN1995-1-1	FPC



Stewart Taylor - Director
 On behalf of Aptus Fastener Systems Ltd