

Declaration of Performance No. 0008-1015

1. Product Type Dowel type Timber Fasteners - Coach Screws
2. Type and Batch Hexagon Head Coach screws screws identified by Batch No. on the box
3. Intended Use Structural timber connections
4. Manufacturer Hexstone Ltd t/a Owlett-Jaton, Opal Way, Stone ST15 0SW
Factory number 533
5. Authorised Representative N/A
6. System of Assessment System 3
7. Technical Assessment and Notified Bodies Test Certificate numbers E-30-20369-13, E-30-20370-13,
E-30-20371-13 & E-30-20372-13
Tests carried out by Strojirensky zkusebni ustav
Notified Body No. 1015 to EN14592:2008 + A1:2012
8. D o P for ETA N/A

9. Declaration of Performance

Essential Characteristics and Dimensions						
Nominal Diameter	d_{nom}	mm	6.0	8.0	10.0	12.0
Material			C1008 Carbon Steel			
Head Dimension A/F	Min	mm	9.64	12.57	16.57	18.48
	Max	mm	10.00	13.00	17.00	19.00
Head Depth (Nominal)	Min	mm	4.0	5.5	7.0	8.0
Outside Diameter	Min	mm	5.52	7.42	9.4	11.3
	Max	mm	6.00	8.00	10.0	12.0
Inner Thread Diameter	Min	mm	3.72	5.12	6.42	8.42
	Max	mm	4.20	5.60	7.00	9.00
Nominal Thread Length	S	mm	≥ 0.6 Total length under head			
Characteristic yield moment	$M_{y,k}$	Nmm	9737	24744	38079	90170
Characteristic withdrawal parameter Loading across the fibres	$F_{ax,k}$	N/mm^2	17.64	13.51	13.11	11.65
	P_k	kg/m^3	450.0	450.0	450.0	450.0
Characteristic withdrawal parameter Loading along the fibres	$F_{ax,k}$	N/mm^2	8.88	9.47	7.8	7.8
	P_k	kg/m^3	450.0	450.0	450.0	450.0
Characteristic head pull-through	$f_{head,k}$	N/mm^2	27.39	24.44	24.8	24.45
	P_k	kg/m^3	450.0	450.0	450.0	450.0

Essential Characteristics and Dimensions						
Nominal Diameter	d_{nom}	mm	6.0	8.0	10.0	12.0
Characteristic tensile capacity	$F_{tens,k}$	kN	7.15	16.03	24.44	34.70
Characteristic torsional ratio (Holes were pre-drilled)	$R_{tor,k}$	Nm	1.31	2.66	2.63	2.52
	Pk	kg/m ³	450.0	450.0	450.0	450.0
Coating	Zinc plated					
	Service condition 2 according to EN 1995-1-1					

The previous performance relates to the following product range

Product Code	Diam. mm	Length mm	Product Code	Diam. mm	Length mm	Product Code	Diam. mm	Length mm
HXC06025	6.0	25.0	HXC08100	8.0	100	HXC12050	12.0	50
HXC06030	6.0	30.0	HXC08110	8.0	110	HXC12060	12.0	60
HXC06040	6.0	40.0	HXC08120	8.0	120	HXC12065	12.0	65
HXC06045	6.0	45.0	HXC08130	8.0	130	HXC12070	12.0	70
HXC06050	6.0	50.0	HXC08140	8.0	140	HXC12075	12.0	75
HXC06060	6.0	60.0	HXC08150	8.0	150	HXC12080	12.0	80
HXC06065	6.0	65.0	HXC10040	10.0	40	HXC12090	12.0	90
HXC06070	6.0	70.0	HXC10050	10.0	50	HXC12100	12.0	100
HXC06075	6.0	75.0	HXC10060	10.0	60	HXC12120	12.0	120
HXC06080	6.0	80.0	HXC10065	10.0	65	HXC12130	12.0	130
HXC06090	6.0	90.0	HXC10070	10.0	70	HXC12140	12.0	140
HXC06100	6.0	100.0	HXC10075	10.0	75	HXC12150	12.0	150
HXC08035	8.0	35.0	HXC10080	10.0	80	HXC12160	12.0	160
HXC08040	8.0	40.0	HXC10090	10.0	90	HXC12180	12.0	180
HXC08045	8.0	45.0	HXC10100	10.0	100	HXC12200	12.0	200
HXC08050	8.0	50.0	HXC10110	10.0	110			
HXC08055	8.0	55.0	HXC10120	10.0	120			
HXC08060	8.0	60.0	HXC10130	10.0	130			
HXC08065	8.0	65.0	HXC10140	10.0	140			
HXC08070	8.0	70.0	HXC10150	10.0	150			
HXC08075	8.0	75.0	HXC10160	10.0	160			
HXC08080	8.0	80.0	HXC10180	10.0	180			
HXC08090	8.0	90.0	HXC10200	10.0	200			


10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9

The declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4

Amendments

	Amendment	Date
1	N/mm2 changed to Nmm on Yield Moment	20/02/2020

Signed on behalf of the manufacturer

Name and Function	Place and Date	Signature
Nick Horton	Stone	
Purchasing Director	13/3/20	