Declaration of Performance No. DIN00107

ISSUED IN ACCORDANCE WITH

Construction Product Regulation 305/2011/EEC

Product Identification:	Non Preload Structural Bolting Assemblies
Product Size:	M12 ~ M36
Bolt Grade/Type:	8.8
Nut Grade/Type:	8 or 10
Washer Grade/Type	Min 100HV
Product Finish:	HDG
Intended Use of Product:	Structural Bolting Assemblies
Product Standard:	BS EN 15048:2007 Parts 1&2
Manufacturer:	Dinstock Ltd
Manufacturer Address:	Hortonwood 10, Telford, Shropshire TF1 7ES United Kingdom
Verification of constancy:	Attestation System 2+
Harmonised Standard	BS EN 15048-1:2005
Notified Body:	Lloyd's Register Verification Limited 71, Fenchurch Street London EC3M 4BS
LRV Notified Body Number:	0038

Lloyd's Register Verification Limited performed initial determination of the product type on the basis of type testing, and initial inspection of factory production control and carry out continuous surveillance, assessment and evaluation of factory production control in accordance with the requirements of attestation system 2+ and have issued:

Factory Production Control Certificate Number: 0038/CPR/LRQ 4006330/B

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BOLT

Essential Characteristics	Performance:											Harmonised Technical Specification:
	M12	M14	M16	M18	M20	M22	M24	M27	M30	M33	M36	
% Elongation after Fracture	12.0% (Minimum)											EN15048-1:2007 (ISO898-1:2013)
Tensile Strength	830 MPa (Minimum)											EN15048-1:2007 (ISO898-1:2013)
Stress at 0.2% non prop Elongation	660 MPa (Minimum)											EN15048-1:2007 (ISO898-1:2013)
Stress under Proof Load	600 MPa (Minimum)											EN15048-1:2007 (ISO898-1:2013)
Strength under Wedge Load	Pass with 6°											EN15048-1:2007 (ISO898-1:2013)
Hardness	23~34 HRC											EN15048-1:2007 (ISO898-1:2013)
Impact Strength	27J at –20°C (Minimum)											EN15048-1:2007 (EN10045-1)
Release of Dangerous Substances												NPD
Durability (Corrosion Protection)	Minimum coating thickness 40 microns											EN15048-1:2007 (BSENISO10684:2004)

NUT

Essential Characteristics	Performance:											Harmonised Technical Specification:
	M12	M14	M16	M18	M20	M22	M24	M27	M30	M33	M36	
Proof Load **GR.8** **(N)**	74,200	101,200	138,200	176,600	225,400	278,800	324,800	422,300	516,100	638,500	751,600	EN15048-1:2007 (ISO898-2:2012)
Proof Load **GR.10** **(N)**	88,500	120,800	164,900	203,500	259,700	321,200	374,200	486,500	594,700	735,600	866,000	
Hardness	**GR.8** 233~353 HV **GR.10** 272~353 HV											EN15048-1:2007 (ISO898-2:2012)
Release of Dangerous Substances												NPD
Durability (Corrosion Protection)	Minimum coating thickness 40 microns											EN15048-1:2007 (BSENISO10684:2004)

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WASHERS												
Essential Characteristics	**Performance:**											**Harmonised Technical Specification:**
	M12	**M14**	**M16**	**M18**	**M20**	**M22**	**M24**	**M27**	**M30**	**M33**	**M36**	
Hardness	100 HV (Minimum)											EN15048-1:2007 (ISO6507-1:2005)
Release of Dangerous Substances												NPD
Durability (Corrosion Protection)	Minimum coating thickness 40 microns											EN15048-1:2007 (BSENISO10684:2004)

ASSEMBLIES												
Essential Characteristics	**Performance:**											**Harmonised Technical Specification:**
	M12	**M14**	**M16**	**M18**	**M20**	**M22**	**M24**	**M27**	**M30**	**M33**	**M36**	
Tensile Resistance of Assembly (Minimum)	**70.0 kN**	**95.5 kN**	**130.0 kN**	**159.0 kN**	**203.0 kN**	**252.0 kN**	**293.0 kN**	**381.0 kN**	**466.0 kN**	**576.0 kN**	**678.0 kN**	EN15048-1:2007
Durability (Corrosion Protection)	Minimum coating thickness 40 microns											EN15048-1:2007 (BSENISO10684:2004)

Dinstock Ltd hereby confirm that the products identified conform with the declared performance as set out above.

This declaration of performance is issued under the sole responsibility of Dinstock Ltd.

Signed on behalf of Dinstock Ltd:  Name: Robert Pearson Position: Director Date: 08/05/2014