

ISSUED IN ACCORDANCE WITH
Construction Product Regulation 305/2011/EEC

Product Identification:	Preload Structural Bolting Assemblies
Product Size:	M12 ~ M36
Bolt Grade/Type:	8.8 HR
Nut Grade/Type:	8 HR
Washer Grade/Type	H, HN, HB & H8
Product Finish:	HDG ISO 10684:2004 with Part 9 Washers Sheradised to EN13811:2003
Intended Use of Product:	High Strength Structural Bolting Assemblies
Product Standard:	BS EN 14399 Parts 1-9
Manufacturer:	Dinstock Ltd
Manufacturer Address:	Hortonwood 10, Telford, Shropshire TF1 7ES United Kingdom
Verification of constancy:	Attestation System 2+
Harmonised Standard	BS EN 14399-1:2005
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

BOLT									
Essential Characteristics	Performance:								Harmonised Technical Specification:
	M12	M16	M20	M22	M24	M27	M30	M36	
% Elongation after Fracture	12.0% (Minimum)								EN14399-1:2005 (ISO898-1:2013)
Tensile Strength	830 MPa (Minimum)								EN14399-1:2005 (ISO898-1:2013)
Stress at 0.2% non prop Elongation	660 MPa (Minimum)								EN14399-1:2005 (ISO898-1:2013)
Stress under Proof Load	600 MPa (Minimum)								EN14399-1:2005 (ISO898-1:2013)
Strength under Wedge Load	Pass with 6°								EN14399-1:2005 (ISO898-1:2013)
Hardness	255~335 HV								EN14399-1:2005 (ISO898-1:2013)
Impact Strength	27J at -20°C (Minimum)								EN14399-1,3&7:2005 (EN10045-1)
Release of Dangerous Substances									NPD
Durability (Corrosion Protection)	Coating Thickness 45 microns (Minimum)								EN14399-3&7:2005(ISO10684:2004)

NUT									
Essential Characteristics	Performance:								Harmonised Technical Specification:
	M12	M16	M20	M22	M24	M27	M30	M36	
Proof Load	84,300 N	157,000 N	245,000 N	303,000 N	353,000 N	459,000 N	561,000 N	817,000 N	EN14399-1,3&7:2005
Hardness	200~302 HV		233~353 HV						EN14399-1,3&7:2005(ISO898-2:2012)
Release of Dangerous Substances									NPD
Durability (Corrosion Protection)	Coating Thickness 45 microns (Minimum)								EN14399-3&7:2005(ISO10684:2004)

WASHERS									
Essential Characteristics	Performance:								Harmonised Technical Specification:
	M12	M16	M20	M22	M24	M27	M30	M36	
Hardness Part 6	300~370 HV								EN14399-1&6:2005
Hardness Part 9 (Nut Faced & Bolt Faced)	38~45 HRC								EN14399-1&9:2005
Hardness Part 9 (DTI)	380 HV (Maximum)								EN14399-1&9:2005
Compression Part 9 (DTI)	47~56 kN	88~106 kN	137~164 kN	170~204 kN	198~238 kN	257~308 kN	314~377 kN	458~550 kN	EN14399-1&9:2005
Release of Dangerous Substances									NPD
Durability (Corrosion Protection)	Part 6 Washers		Coating Thickness 45 microns (Minimum)						EN14399-6:2005(ISO10684:2004)
	Part 9 Washers		Coating Thickness 15 microns (Minimum) + Passivation						EN14399-9:2005(EN13811:2003)

ASSEMBLIES									
Essential Characteristics	Performance:								Harmonised Technical Specification:
	M12	M16	M20	M22	M24	M27	M30	M36	
Tensile Resistance of Assembly (Minimum)	47.2 kN	87.9 kN	137.2 kN	169.7 kN	197.7 kN	257.0 kN	314.1 kN	457.5 kN	EN14399-2:2005
Durability (Corrosion Protection)	Part 3, 6 & 7		Coating Thickness 45 microns (Minimum)						EN14399-3,6&7:2005(ISO10684:2004)
	Part 9		Coating Thickness 15 microns (Minimum) + Passivation						EN14399-9:2005(EN13811:2003)
K-class	K0								EN14399-1,2,3,6,7&9:2005

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