

<p><b>Central Data Bank</b>  <b>List of Building Components</b></p>
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**A. General**

Department:	Buildings
Type of building material:	Stainless Steel Spider Brackets
Applications:	For supporting glass panes

**B. Acceptance criteria****Testing standards:**

Proof tests of stainless steel spider components should be carried out in accordance with the test criteria specified below:

- Sampling rate should be at least 1% or 3 numbers, whichever is more, of each representative type of the spider components concerned.
- Test specimens should be set up in such a manner that is compatible with the proposed fixing details.
- Test loads should be determined in accordance with clause 16.2.1.2 of the Code of Practice for the Structural Use of Steel 2005.
- A test load should be applied and released in at least 5 increments and decrements respectively.
- A reading on deformation should only be taken when it has become completely stable, and readings on deformation should be taken at three 5-minute intervals at least on attainment of the test load until there is no significant increase in deformation.

## Reference List of Stainless Steel Spider Brackets

Ref. No.	Product Name	Name of Manufacturer	Material Category	Compliance Testing Standard	Details of Test or Assessment Report				Date of Posting on CDB	Remarks / Comments
					Name of Laboratory Accreditation Body	Name of Laboratory / Assessing Organization	Report No.	Date of Test / Assessment Report		
BD-SB 001	CARON X-200-5kN-4 ARMS	Gortech Trading Company Limited	Stainless steel grade 316	Proof test as given in Fugro Technical Services Limited method statement reference: STMS-2327B	N/A	Fugro Technical Services Limited	062768ST61467(3)B	21 December 2006	22/01/2007	
BD-SB 002	CARON X-200-5kN-2 ARMS 180°	Gortech Trading Company Limited	Stainless steel grade 316	Proof test as given in Fugro Technical Services Limited method statement reference: STMS-2326B	N/A	Fugro Technical Services Limited	064111ST62083A	10 January 2007	22/01/2007	
BD-SB 003	KINLONG /2202B (2 Arms Bracket)	Hongkong Kinlong Construction Hardware (Group) Co.,Ltd.	Stainless steel grade 316	Proof test as given in Prima Technical Services Limited test procedure reference: In-house procedure Y019-8 Issue 2007/1	N/A	Prima Technical Services Limited	PT0706403 PT0706404 and PT0706405	18 June 2007	18/10/2007	
BD-SB 004	BUILDEX MICIEL P1010 (2 Arms Bracket)	Goldway Enterprises Inc.	Stainless steel grade 316	Proof test as given in Fugro Technical Services Limited method statement reference: STMS-2491 for compression and STMS-2492 for tension	N/A	Fugro Technical Services Limited	072372ST70884 072372ST0884(1) and 062372ST71057 062372ST71057(1)	10 July 2007 and 13 August 2007	18/10/2007	

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BD-SB 005	NELTON SAS 302 (2 Arms Bracket)	Guang Zhou Weijite Investment Casting Company Limited.	Stainless steel grade 316	Proof test as given by A.E.S. Destructive & Non-destructive Testing Ltd. Testing method specified in test report GS07-0316	N/A	A.E.S. Destructive & Non-destructive Testing Ltd.	GS07-0316	30 April 2007	31/1/2008	
BD-SB 006	CARON P-Series L03-220 (2 Arms Bracket)	Gortech Trading Company Limited	Stainless steel grade 316	Proof test as given in Hong Kong Curtain Wall Testing Centre Ltd. Testing method specified in test report SF-T2798R10471	N/A	Hong Kong Curtain Wall Testing Centre Ltd.	SF-T2798R10471	13 December 2007	25/4/2008	
BD-SB 007	KINLONG 220A (4 Arms), 220A31 (3 Arms) 220A21 (2-Arms)	Dongguan Kin Long Hardware Products Co. Ltd.	Stainless steel grade 316	Proof test as given by Wilson Curtain Wall Consultant (HK) Ltd. Testing method specified in test report 1768RPT-080708-J	N/A	Wilson Curtain Wall Consultant (HK) Ltd.	1768RPT-080708-J	8 July 2008	22/10/2008	

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					Name of Laboratory Accreditation Body	Name of Laboratory / Assessing Organization	Report No.	Date of Test / Assessment Report		
BD-SB 008	KINLONG H250H (4 Arms) H250H (3 Arms) H250H (2 Arms 180 <sup>0</sup> and 90 <sup>0</sup> ) H250H (1 Arm 0 <sup>0</sup> and 45 <sup>0</sup> )	Dongguan Kin Long Hardware Products Co. Ltd.	Stainless steel grade 316	Proof test as given by A.E.S. Destructive & Non-destructive Testing Ltd. Testing method specified in corresponding test reports	N/A	A.E.S. Destructive & Non-destructive Testing Ltd.	GS08-0200 (4 Arms) GS08-0203 (3-Arms) GS08-0205 (3-Arms) GS08-0202 (2-Arms, 90 <sup>0</sup> ) GS08-0204 (2-Arms, 90 <sup>0</sup> ) GS08-0208 (2-Arms; 180 <sup>0</sup> ) GS08-0208 (2-Arms; 180 <sup>0</sup> ) GS08-0206 (1-Arm; 0 <sup>0</sup> ) GS08-0207 (1-Arm; 45 <sup>0</sup> )	11 April 2008 11 April 2008 11 April 2008 11 April 2008 11 April 2008 16 April 2008 4 June 2008 11 April 2008 11 April 2008	23/1/2009	H250H (3 Arms) series include H250H31,32,33 & 34)  H250H (2 Arms) 180 <sup>0</sup> series include H250H22 & 27.  H250H (2 Arms) 90 <sup>0</sup> series include H250H23,24,25 & 26.  H250H (1 Arm) 0 <sup>0</sup> series include H250H11 & 12.  H250H (1 Arm)45 <sup>0</sup> series include H250H13,15 & 16.
BD-SB 009	KINLONG L300F (2 Arms)	Dongguan Kin Long Hardware Products Co. Ltd.	Stainless steel grade 316	Proof test as given by Hong Kong Testing Co., Ltd. Testing method specified in corresponding test reports	N/A	Hong Kong Testing Co., Ltd.	B008008M01968 B008008M01969 B008008M01981	1 August 2008	23/1/2009	
BD-SB 010	KINLONG 300H (2 Arms 180 <sup>0</sup> )	Dongguan Kin Long Hardware Products Co. Ltd.	Stainless steel grade 316	Proof test as given by ETS-Testconsult Limited. Testing method specified in corresponding test reports	N/A	ETS-Testconsult Limited	FDA81220 FDA81221	30 September 2008	23/1/2009	300H (2 Arms) 180 <sup>0</sup> series include 300H21,22 & 27.

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BD-SB 011	KINLONG 220A (2 Arms) 180°. 220A(1 Arm) 0°	Dongguan Kin Long Hardware Products Co. Ltd.	Stainless steel grade 316	Proof test as given by ETS-Testconsult Limited. Testing method specified in corresponding test reports	N/A	ETS-Testconsult Limited	FDA81198 FDA81199	24 September 2008	23/1/2009	220A (2 Arms) 180° series include 220A21,22 & 27.  220A (1 Arm) 0° series include 220A11 & 12.
BD-SB 012	NELTON SOK 102 (2 Arms) SOK 103 (1 Arm)	Guang Zhou Weijite Investment Casting Company Limited.	Stainless steel grade ANC 4 Grade B to BS3146:Part2:1975	Proof test as given by A.E.S. Destructive & Non-destructive Testing Ltd. Testing method specified in test report GS09-0278 & GS09-0279	N/A	A.E.S. Destructive & Non-destructive Testing Ltd.	GS09-0278 GS09-0279	7 May 2009 7 May 2009	4/11/2009	
BD-SB 013	Daversteels DBS-2-120 (2 Arms Bracket)	DaverSteels Limited	Stainless steel grade ANC 21 to BS 3146: Part 2: 1975	Proof test as given by Wilson Curtain Wall Consultant (HK) Ltd. Testing method specified in test report 1820RPT-090521-J	N/A	Wilson Curtain Wall Consultant (HK) Ltd	1820RPT-090521-J	21 May 2009	4/11/2009	DBS – 120 series includes DBS-4-120, DBS-2-120, DBS-2L-120 & DBS-1-120.
BD-SB 014	BUILDEX MICIEL S1-1122 (4 Arms) S1-1100 (2 Arms 90°) S1-1010(2 Arms 180°) S1-7070 (2 Arms 180°, 100mm c/c) S1-1000 (1 Arm) S1-0060 (1 Arm 100mm c/c)	Goldway Enterprises Inc.	Stainless steel grade 316	Proof test as given in Fugro Technical Services Limited Testing method specified in test reports	N/A	Fugro Technical Services Limited	077293ST71546(2) 077293ST71546(3) 077293ST80390(2) 077293ST80390(3) 077293ST80390(11)	8 April 2009 8 April 2009 8 April 2009 8 April 2009 17 July 2009	4/11/2009	

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BD-SB 015	Daversteels DBS-4-120 (4 Arms Bracket) DBS-1-120 (1 Arm Bracket)	DaverSteels Limited	Stainless steel grade ANC 21 to BS 3146: Part 2: 1975	Proof test as given by Wilson Curtain Wall Consultant (HK) Ltd. Testing method specified in corresponding test reports	HOKLAS	Wilson Curtain Wall Consultant (HK) Ltd	1946RPT-090123-4L2-J 1946RPT-090311-1L2-J	23 January 2009  13 March 2009	17/10/2011	DBS – 120 series includes DBS-4-120, DBS-2-120, DBS-2L-120 & DBS-1-120.
BD-SB 016	CARON X-200-5kN-2 ARMS 90°  X-200-5kN-1 ARM	Gortech Trading Company Limited	Stainless steel CF-8M ASTM A351	Proof test as given by ETS-Testconsult Limited. Testing method specified in corresponding test reports	HOKLAS	ETS-Testconsult Limited	FDA01372A FDA01373A  FDA01374A FDA01375A	17 November 2010  17 November 2010	17/10/2011	
BD-SB 017	KINLONG L240D (2 Arms)	Guangdong KinLong Hardware Products Co. Ltd.	Stainless steel CF8M ASTM A743	Proof test as given by ETS-Testconsult Limited. Testing method specified in corresponding test reports	HOKLAS	ETS-Testconsult Limited	FDA20366A	28 March 2012	24/7/2013	
BD-SB 018	KINLONG CFE-250 series	Guangdong KinLong Hardware Products Co. Ltd.	Stainless steel CD3MN ASTM A890	Proof test as given by A.E.S. Destructive and Non-destructive Testing Ltd. Testing method specified in corresponding test reports	HOKLAS	A.E.S. Destructive and Non-destructive Testing Ltd.	GS-12-3613 GS-12-3614 GS-12-3615 GS-12-3616	20 June 2012 20 June 2012 25 June 2012 26 June 2012	13/8/2013	CFE-250 series includes serial numbers 1-1110-197 (4 Arms), 1-1110-198 (2 Arms), 1-1110-199 (1 Arm) and 1-1110-200 (2 Arms)

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BD-SB 019	KINLONG 300A series	Guangdong KinLong Hardware Products Co. Ltd.	Stainless steel CF8M ASTM A743	Proof test as given by ETS-Testconsult Limited. Testing method specified in corresponding test reports	HOKLAS	ETS-Testconsult Limited	FDA22108A FDA22113A FDA22115A FDA30570 FDA22155B	9 April 2013 9 April 2013 11 April 2013 10 April 2013 11 April 2013	17/10/2013	300A series includes serial numbers 300A1 (1 Arm 45°), 300A11 (1 Arm 0°), 300A2 (2 Arms 90°), 300A21 (2 Arms 180°) and 300A4 (4 Arms).
BD-SB 020	BUILDEX MICIEL Articulated Bolt FAC M14	Shenzhen Shenzhou Mechanism Co. Ltd.	Stainless steel grade 316	Proof test as given in Fugro Technical Services Limited Testing method specified in test reports	N/A	Fugro Technical Services Limited	076522ST70918 076522ST70918(1)	16 August 2007 18 August 2007	14/02/2014	
BD-SB 021	Daversteels DBS-2-120 (2 Arms Spider) with DBS-GB1TC routels  DBS-1-120 (1 Arm Spider) with DBS-GB1TC routel	DaverSteels Limited	Stainless steel grade 316	Proof test as given by Wilson Curtain Wall Consultant (HK) Ltd. Testing method specified in corresponding test reports	HOKLAS	Wilson Curtain Wall Consultant (HK) Ltd	3769RPT-150331c-2	31 March 2015	22.1.2016	