

# Archibald Kenrick & Sons Ltd

# **TEST REPORT**

#### **SCOPE OF WORKs**

<Performance Test - Cylinder - SCDB5050-6P01 >

#### **REPORT NUMBER**

190612167GZU-002

**ISSUE DATE** 

[REVISED DATE]

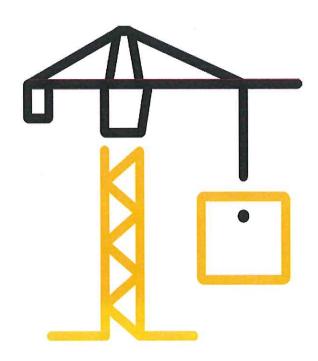
2019/7/3

**PAGES** 

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# DOCUMENT CONTROL NUMBER

TTRF\_EN 1303:2015\_d © 2018 INTERTEK





Intertek Testing Services Ltd., Guangzhou Branch Room 4103 & 4203, No. 63, Punan Road, Huangpu District, Guangzhou, Guangdong Province, China. Telephone: +8620-82139688, Facsimile: +8620-3205 7538

Website: www.intertek.com

### **Test Report**

Report Number: 190509088GZU-002

Report Date: 2019/7/3

Applicant:

**Archibald Kenrick & Sons Ltd** 

Applicant Address:

Kenrick Way, West Bromwich, B70 6DB, United Kingdom

Sample information

Product:

Lock cylinder

Trade Mark:

1

Model and/or type reference:

SCDB5050-6P01

Manufacturer:

1

Manufacturer Address:

2

Sample ID:

S190612167-001~010

Date of receipt of test item:

2019-06-12

Situation of receipt samples:

Received in good condition

Date (s) of performance of tests:

2019-06-12~2019-07-02

#### **Testing information**

Standard:

EN 1303:2015

Rating(s):

1 6 0 0 0 C 3 0

Classification of installation and use:

For use by people with a high incentive to exercise care and with a

small chance of misuse.

Testing Laboratory name:

Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

Address:

Room 4103 & 4203, No. 63, Punan Road, Huangpu District,

Guangzhou, Guangdong Province, China.

#### **Possible Test Case Verdits**

Test Case does not apply to the Test object:

N/A

Test object does meet the requirement:

P (Pass)

Test item does not meet the requirement

F (Fail)

#### Conclusion:

The submitted samples were tested and found to COMPLY with applicable requirements of EN 1303:2015 for the ratings.

\* When determining the test result, measurement uncertainty has been considered.

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## General product information:

Model	Function	Length(mm)	Movable detainers
SCDB5050-6P01	key outside and key inside	100(50+50)	6

etail "Ratings" information listed as following:				
1st digit (category of use):	Grade	1		for use by people with a high incentive to exercise care and with a small chance of misuse;
2nd digit (Durability):	Grade	6	-	100000 test cycles;
3rd digit (Door mass):	Grade	0	-	no door mass requirement;
4th digit (Fire resistance):	Grade	0	-	not approved for use on fire resistant / smoke control door assemblies;
5th digit (Safety):	Grade	0	-	no safety requirement;
6th digit (Corrosion resistance and temperature):	Grade	С	-	high corrosion resistance; temperature requirement: from – 25 °C to + 65 °C;
7th digit (Key related security):	Grade	3	-	15 000 Min. number of effective differs / 5 Min. number of movable detainers;
8th digit (Attack resistance):	Grade	0	-	no resistance against drilling; no resistance against mechanical attack.



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If related to subcontract, the remark\* for the test items conducted by a subcontractor. When determining the test result, measurement uncertainty has been considered.

	Building har	EN 1303:2015 dware –Cylinde nents and test		
Clause	Requirement - Test		Result - Remark	Verdict
7	Classification			
7.1	Category of use (1 <sup>st</sup> ):	Grade 1	_	
7.2	Test cycles – Durability (2 <sup>nd</sup> ):		Grade 6	-
7.3	Door mass (3 <sup>rd</sup> )		Grade 0	-
7.4	Fire resistance (4 <sup>th</sup> )		Grade 0	=
7.5	Safety (5 <sup>th</sup> )		Grade 0	-
7.6	Corrosion resistance (6 <sup>th</sup> )		Grade C	3
7.7	Key related security (7 <sup>th</sup> )	_	Grade 3	=
7.8	Attack resistance (8 <sup>th</sup> )		Grade 0	-
4	REQUIREMENT			
4.1	General			
4.2	Key strength The key shall not break under the applied maximum torque of 2,5 Nm After the test, the key shall be capable of being removed from the cylinder and re-used to operate the same cylinder with a torque not exceeding 1,5 Nm.		After test, no broken was found and the operation torque:  0,04 Nm	Р
4.3*	Grade 4 Grade 5	new original key	Grade 6 100 000 cycles Torque: before cycles test 0,04 Nm After cycles test 0,07 Nm	P
4.4	Door Mass:		No requirement	N/A
4.5	Fire resistance		Grade 0, not approved for use on fire resistant / smoke control door assemblies.	N/A
4.6	Safety:		No requirement	N/A
4.7	Corrosion resistance			
4.7.1	Corrosion resistance  Corrosion resistance  It shall be possible to operate the cylinder with its proper key using a maximum torque of 1,5 Nm after tested according to grade 3 of EN 1670.  This corrosion test shall apply to the functionality only.  Corrosion resistance  Grade C  Salt spray time 96 hours  Torque: 0,10 Nm			N/A



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4.7.2	Operation at extreme temp It shall be possible to opera proper key using a maximum both -25°C and +65°C.	te the cylinder with its	Torque: At -25 °C 0,04 Nm At +65 °C 0,06 Nm	N/A
4.8	Key related security			
	Minimum number of effect The minimum number of ef specified in below table.			
	Key related security grade	Minimum number of effective differs	Grade 3	
4.8.1	1	100	Claimed 27993 effective	Р
	2	300	differs.	
	3	15 000		
	4	30 000		
	5	30 000		
	6	100 000		
	Minimum number of mova The minimum number of m as specified in below table.	novable detainers shall be		
	Key related security grade	of movable detainers		
4.8.2	1	2	Grade 3	P
	2	3	6 movable detainers	
	3	5		
	4	5		
	5	6		
	6	6		



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	Maximum number of i	dentical sten			
	The choice of key step	van aller			
	operation which have				
	The second of the second of				
	be restricted as indicat				
	Maximum identical ad	•	eps are allowed		
	as indicated in below t	able.			
	Key related securi	ty Maximun	n Number of		
4.8.3	grade identical steps (		Grade 3	Р	
	1	1 100%		60% identical steps	
	2	70%, max	k. 2 adjacent	2 identical adjacent steps	
	3	60%, max	k. 2 adjacent	72	
	4	60%, max	k. 2 adjacent		
	5	60%, max	k. 2 adjacent		
	6	50%, max	k. 2 adjacent		
	Direct coding on key			Grade 3	
4.8.4	Direct key coding shall	not be perm	itted on keys for	No direct coding on key	N/A
	the key related securit	ty grades 3 to	6.		***
	Operation of security	mechanism (i	nter-passing)		
	For the key related sec	curity grades	1, 2 and 3, it		
	shall not be possible b	efore the dur	ability test to		
	operate the cylinder w	vith the next o	losest key to its	Grade 3	
	own key using a torqu	e of 1,5 Nm +	0,2/-0 Nm.	1,5Nm can not operate the	
4.8.5	For the key related see	D1 25 25	alluli mass as	cylinder with the next closest key	Р
	shall not be possible b	OBSER		before cycle test.	
	test to operate the cyl			before cycle test.	
	key to its own key usin				
	Nm.	ig a torque or	1,3 14111 +0,2/-0		
	Torque resistance of p	lug/cylinder i	elevant to key		
	related security	nag, cynnaen i	dievanie to key	1	
	It shall not be possible	to rotate the	nlug and/or		
	cylinder in the key rela		2		
	using the specified ap				
	below table.	pileu torque a	is marcated in		
		Not construction	T-1	Grade 3	
	Key related	Maximum	Tolerance, Nm		_
	Transfer Designation (Co.)	Augusta Nina			
4.8.6	security grade	troque, Nm		15Nm can not operate the	Р
4.8.6	security grade	2,5	-0 +0,25	15Nm can not operate the cylinder.	P
4.8.6	security grade  1 2	2,5 5	-0 +0,25 0 +0,5		P
4.8.6	security grade  1 2 3	2,5 5 15	-0 +0,25 0 +0,5 -0 +1,5		P
4.8.6	security grade  1 2	2,5 5	-0 +0,25 0 +0,5		Р
4.8.6	security grade  1 2 3	2,5 5 15	-0 +0,25 0 +0,5 -0 +1,5		Р



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4.9	Free play and safety				
4.9.1	General				
	Resistance to attack It shall not be possibl maximum torque of after the drilling time	e to rotate the 5 Nm without e specified in b	the correct key,		
4.9.2	drilling time		time, min.	Grade 0 Not required.	N/A
	0	<u> </u>			
	A	3	5		
	В	5	10		
	C 3		5		
	D 5 Resistance to attack by chisel		10		
4.9.3	It shall not be possible to rotate the maximum torque of 5 Nm withou after the number of blows specific Attack resistance grade		the correct key,	Grade 0 Not required.	N/A
	С		30		
	D		40		1
	Resistance to attack It shall not be possib maximum torque of after the number of	le to rotate the 5 Nm without	the correct key,		
4.9.4	Attack resistance	grade	Twists	Grade 0	N/A
4.5.4	0		) <b>*</b> .	Not required.	IN/A
	А		20		
	В		30		
	С		20		
	D		30		



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	It sha maxi	stance to atta all not be pos imum torque the number	sible to ro	tate the car vithout the	m using a correct key			
4.9.5		Attack resistance grade	Max. force applied, KN	Net time allowed, min	Total time allowed, min		Grade 0 Not required.	N/A
19		0	*	-	-			
		Α	-	5.0	-			
		В		20	9		Э.	
		С	10	5	15			
		D	15	5	15			
	attad It sha cylin	ue resistance ck resistance all not be pos der with a to able 3.	sible to ro	tate the plu	ug and/or	d		
400	[7	Attack resista	nce grade	Tor	que		Grade 0	NI/A
4.9.6		0		19	-		Not required.	N/A
		Α		2	.0			
		В		3	10			
		С		2	.0			
		D		3	10			



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#### **Appendix A: Product Documents**

Model No.	Document Ref.	Document Title	Issue	Date
SCDB5050- 6P01	Explored drawing	Explored drawing	20190612	20190612
				Same - populari
	-			
			4	
	-			

#### Note:

It is a mandatory requirement that Intertek is informed of any modifications or changes to the following:

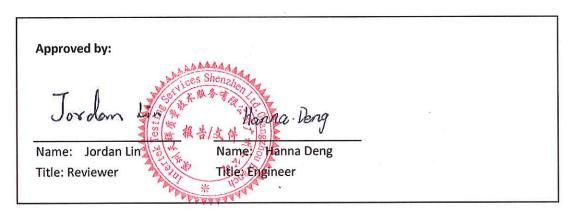
- Product submitted for approval or that has been approved
- Manufacturing process
- Manufacturing address
- Materials
- Materials supplier
- Documents recorded within this register



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#### Revision:

Revision No.	Date	Changes	Author	Reviewer
Original	2019/7/5	First issue	Hanna Deng	Jordan Lin

The End of Report