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中国认可
国际互认
检测
TESTING
CNAS L0454

Special Equipment Type Test Report

Report No. WT NET 20-051

Name of product:	Hollow guide rail
Model of product:	TK5A (2.75mm)
Applicant:	Suzhou Savera Shangwu Elevator Riding Systems Co., Ltd.
Manufacturer:	Suzhou Savera Shangwu Elevator Riding Systems Co., Ltd.
Type of inspection:	Consignment Inspection



National Elevator Inspection and Testing Center

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National Elevator Inspection and Testing Center

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Name of product		Hollow guide rail	Serial No. of sample	M1S1912-890
Model of product		TK5A(2.75mm)	Production date	2019-12
Applicant	Name	Suzhou Savera Shangwu Elevator Riding Systems Co., Ltd.		
	Address	Beishe Town, Wujiang District, Suzhou, Jiangsu		
Manufacturer	Name	Suzhou Savera Shangwu Elevator Riding Systems Co., Ltd.		
	Address	Beishe Town, Wujiang District, Suzhou, Jiangsu		
Receiving date	/	Sample No.	/	
Test date	2019-12-30~2020-01-07			
Test place	Suzhou Savera Shangwu Elevator Riding Systems Co., Ltd.			
Test condition	Ambient temperature: 9°C~17°C, relative humidity: 35%~50%			
Test basis	GB/T 30977—2014 Hollow type guide rails for counterweight and balancing weight of lifts Applicant design drawing: TK5A-1-SSW-3.0-S_A/0			
Test conclusion	The test results of the guide rail comply with the requirements of the test basis. <div style="text-align: right; margin-top: 20px;">  <p>Issue date: 2020-01-07</p> </div>			

Reported by: 周新 Verified by: 李川 Issued by: 王衡

1. Main technical parameter and configuration of the sample

Material	SS400
Manufacturing process	Cold bending
Blade width	16.4±0.4mm
Guide rail width	78±1.0mm
Guide rail height	60±0.30mm
Holes diameter	11.5mm
Material thickness	2.75 ^{+0.20} _{-0.15} mm
Fishplate type	Cold bending hollow fishplate
Applicable environment	Indoor

2. Technical document examination

No.	Examination items	Examination results
1	Checking material	Comply with requirements
2	Checking design standard or design drawing	Comply with requirements

3. Test items and test results

No.	Test items		Test results
1	Appearance and galvanization quality		Comply with requirements
2	Guide rail length		5000mm
3	Blade width		16.52mm
4	Guide rail height		60.09mm
5	Dimensions of holes	Distance between the axes of the holes	45.2mm
		Distance between the axis of the farthest holes from the end of the guide rail and this end	75.21mm
		Distance between the axis of the nearest holes to the end of the guide rail and this end	25.1mm
6	Thickness of the material		2.81mm
7	Blade roughness	Longitudinal	Ra3.05um
		Transverse	Ra3.75um
	Roughness of top surface	Longitudinal	Ra3.13um
		Transverse	Ra3.31um
8	The front surface and the foot surface perpendicularity in 200mm at the same side		0.08mm
	The end edge of the foot and the axes of the blade perpendicularity in 200mm at the same side		0.04mm
9	The axes of blade and foot surface perpendicularity		0.06mm
10	Blade straightness		0.95mm
	Top surface straightness		0.67mm
11	Blade twisting		0.3mm
12	Protection for special environment		/



4. Applicant design drawing

嘉维拉上吴 Savera Chins Shung 吴	空心导轨技术图纸 Hollow Guide Rail Drawing TK5A	材质/Material: SS400 图号Part No:TK5A-SSW 2.75-S 版本号Version NO: A/5
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图面、标准受控章
2019年12月30日
嘉维拉上吴公司

上0.3侧面的直角 ①
上0.3端面的直角度 ②

技术要求: Technical requirement:
 1、导轨表面不允许有裂纹、伤痕、毛刺和其它缺陷,镀锌层不允许有起皮和脱落现象。凹面处黑麻点每米长度内不超过5处,且总面积不超过1cm²,镀锌厚度≥8um。
 No damage, scratch, burr or any other defect at rail surface. Rail surface with Zinc protection which should not fall off. Zinc thickness ≥8um. Black flecks are less than 5 within 1 meter length at sunk surface, total area is less than 1cm².
 2、导轨导向面与侧面纵向或横向表面粗糙度均为Ra6.3um。Longitudinal and transversal direction roughness of rail blade: Ra6.3 um.
 3、导轨导向面全长及任何间距为1m的相对扭曲度不大于1.0mm。
 Twist ratio at rail blade of the span and any part between 1 meter ≤1.0mm.

Technical data	
Section/ cm ²	5.33
Kg/m	4.18
Kg/5m	20.92
e/ cm	2.10
I _{xx} / cm ⁴	20.93
I _{yy} / cm ⁴	1.98
W _{xx} / cm ³	16.34
W _{yy} / cm ³	4.19
I _{xy} / cm ⁴	1.75

连接板/FishPlate 紧固件/Hardware: 10*25 8.8S 白锌

年检栏:	2017	2018	2019	2020	2021	2022
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注: 所有导轨受控图面必须与每年的1月1日至1月30日到技术部年检, 凡未年检的图面视为无效图面, 任何人不得以无效图面为标准进行操作。

设计/Designer:	沈玲	校对/Prepared:	蔡斌斌	审核/Tested:	向天成	批准/Approved:	邵征
日期/Date:	2010-3-5	日期/Date:	2010-3-10	日期/Date:	2010-3-10	日期/Date:	2010-3-10

①	A/5	2018/8/9	沈玲	增加了空轨截面系数。
②	A/4	2017/12/27	沈玲	增加垂直度尺寸
③	A/3	2011/12/19	沈玲	增加了板料厚度的公差
④	A/2	2010/6/21	沈玲	连接板高度58改为56
标记	版本	日期	更改人	更改内容

5. Sample photo

