



KALLOY INDUSTRIAL CO.,LTD

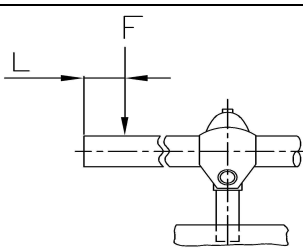
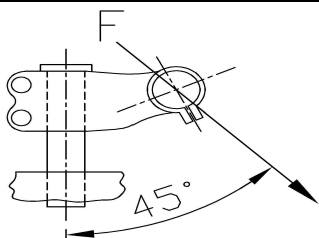
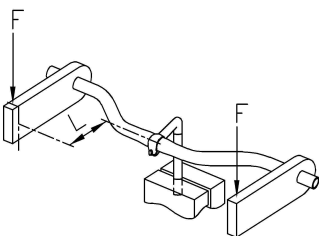
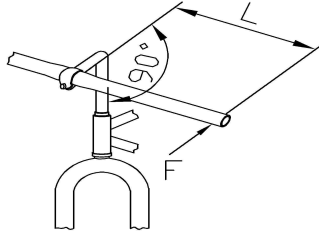
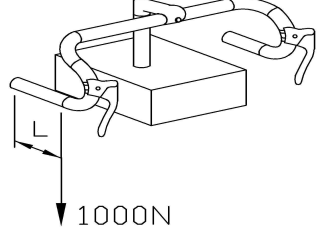
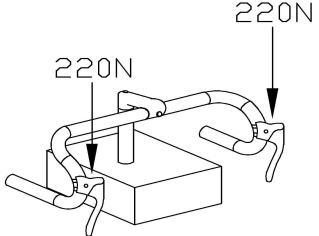
Stem Fatigue Test Report

Date: 2011.02.14

Test Item	AS-158	Length	100	Angle	7		
		Barbore	25.4	Material	6061		
Combinative Item	AL-001E	Length	600	Backswept	7		
		Barbore	25.4	Material	6061		
☐ Testing of New Product ☐ Testing of Pilot Run ☒ Testing of Mass Product							
☐ EN 14764 ☒ EN 14766 ☐ EN 14781							
Test Standard							
Item	Cycles	Loading(N)		Condition	Testing Result		
		Left Cyinder	Right Cyinder				
1	100000	±270	±270	Anti-Phase	101000		
	100000	±450	±450	In-Phase	101000		
2							
3							
Screw size	User Torque	1.5 Safety Factor	Tested	Determinate		Remark	
M6前叉孔	5N.m	7.5N.m	8N.m	☒ PASS	☐ NG		
M5把手孔	5N.m	7.5N.m	8N.m	☒ PASS	☐ NG		
				☐ PASS	☐ NG		
Item	Cycles	Determinate		Remark		Result	
1	202000	☒ PASS	no visible crack			☒ Pass	
		☐ NG					
2		☐ PASS				☐ Fail	
		☐ NG					
3		☐ PASS					
		☐ NG					
QC manager	林國樑	Chief	李廣	Superior	陳鴻菊	Inspector	龔德賢

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Stem Static Test Report

Item	AS-158	Specification:	28.6*100*7	Data	2011.02.14		
NO	Test Items	Test Method	Test Standard	Assessment			
1	Twisting Test		L=50mm F=1000N no fracture on stem and the permanent deformation measured shall not exceed more than 10mm	☒ PASS ☐ NG			
2	Bending Test		1. F=1600N T=1minute. no fracture on stem and the permanent deformation measured shall not exceed more than 10mm 2. ☐ (C) F=2000N ☐ (R) F=2300N ☒ (M) F=2600N T=1minute no fractures	☒ PASS ☐ NG			
3	Barbore Clamping Test		L=100mm ☐ (C) F=300N ☒ (M) F=400N T=1minute no rotational movement on handlebar	☒ PASS ☐ NG			
4	Fork Clamping Test		☐ (C) L=200mm F=200N ☒ (M) L=250mm F=100N ☐ (R) L=200mm F=100N T=1minute no rotational movement on stem	☒ PASS ☐ NG			
5	Twisting Test		L=50mm F=1000N no fracture on stem and the permanent deformation measured shall not exceed more than 15mm	☐ PASS ☐ NG			
6	Barbore Clamping Test		F=220N T=1minute no rotational movement on handlebar	☐ PASS ☐ NG			
Remark:				Result: ☒ Pass ☐ Fail			
QC manager	林國樑	Chief	李廣	Superior	陳鴻菊	Inspector	龔德賢