



November 22, 2019

SUBJECT: Australia Standard

AS 4177.3-2004

New Zealand Standard NZS 5232:1993

**REPORT** LT-1029

TITLE

**Trailer Coupling Testing** 

SAMPLE IDENTIFICATION

A60 Actuator Assembly

WORK REQUESTED

Carry out load testing in accordance with

AS 4177.3-2004 Appendix A "STATIC Test

Forces" and NZS 5232:1993 Section G

table 1.

SUMMARY

A60 Actuator assembly supplied for evaluation

complies with testing criteria for 2,000 kg

static load rating.

Investigating Engineer:

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## **PRODUCT TEST**

**ACTUATOR CONFORMITY- AS 4177.3-2004 & NZS 5232:1993** 

LT-1029

DATE: 11/22/19

ENGINEER: TOM WRAGG

## PRODUCT:

## ACTUATOR MODEL A60 Poted 2 000 kg (4 400lb ) with 50 mm PALL

	ACTUATOR MODEL A60 Rated 2,000 kg (4,400lb.) wi								th 50 mm BALL		
	MINIMUM REQUIREMENTS OF AS 4177.3-2004 APPENDIX A	MINIMUM REQUIREMENTS OF NZS 5232:1993	FORCE DIRECTION	NO. & BALL DIR.	TESTED FORCE	RESULT AS 4177.3- 2004	RESULT NZS		WARNING ANTHORN WATHER CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR SO min BALL		
	20 kN	18 kN	TD A NOVEDO	_ 1L	20.06 kN	PASS	PASS	1	-4,600 LBS (2,000 KB)		
ı	(4,490 LBs)	(4,040 LBs)	TRANSVERS	1R	20.11 kN	PASS	PASS		TONGUE LOAD RATING		
I	49 kN (11,000 LBs)	60 kN (13,470 LBs)	LONGITUDIN	2F	60.11 kN	PASS	PASS		MAXIMUM 840 LBS. COUPLER RATING TO MEET OR EXCEED TRAILER GVWA.		
ı			LONGITUDIN	2R	60.14 kN	PASS	PASS		CHECK FLUID LEVEL. USE ONLY DOT 3 BRAKE FLUID		
ľ	20 kN (4,490 LBs)	25 kN (5,612 LBs)	VEDTICAL	3D	25.17 kN	PASS	PASS		FROM A SEALED CONTAINER, BRAKES NOT EFFECTIVE TOWNER, P. MOVING N. REVISES		
ı			VERTICAL	<b>3U</b>	31.06 kN	PASS	PASS		READ OVINCES WALLAS		
	20 kN (4,490 LBs)	N/A	VERTICAL PUL OUT (TENSION		20.01 kN	PASS	500g		MODEL SEOVATS XR84		
	A60			POST TESTED FORCE	VISUAL SIGNS - ADVERSE EFFECTS OF FUNCTION, EXTERNAL DETERIORATION, BREAKAGE, RETENTION	PASS (NO ADVERSE EFFECTS)			SAN MARCOS, CA. DEXTER		
	2R 2F			EXAM:	CRACK DETECTION – DYE PENETRATION	PASS					
				MARKING	MFRS NAME 50MM BALL 2000 KG TRACABILITY CODE WELDABLE	PASS					

WELDABLE MATERIAL

NOTE:

All tests performed with a 50mm towball (actual dia. 49.85mm) except Australia vert. pull out tested with a 49.11mm ball per the standard. All test forces were maintained for a minimum of 20 seconds.