



NATIONAL TESTING STANDARDS INC.
RESEARCH AND TESTING LABORATORIES

Report No. 21651-14

June 15, 1987

Client: Jensen Enterprises
1330 Fayette Street
El Cajon, California, 92020

Reference: Mr. Chuck Ciralo

Subject: Testing of Playground Equipment

Sample Description:

The Client submitted three 4" lengths of 5/16 short link metal chain identifying them as model number C150.

Request:

Proof load the submitted specimens to five thousand pounds of force in the manner indicative of their end-use.

Method:

The submitted specimens were proof loaded to five thousand pounds or to failure using a universal tensile testing machine manufactured by United Calibration and an auto-graphic recording device.

Results:

Ultimate Tensile Load
in-use condition.....>5000 pounds

NATIONAL TESTING STANDARDS

by John W. Innis

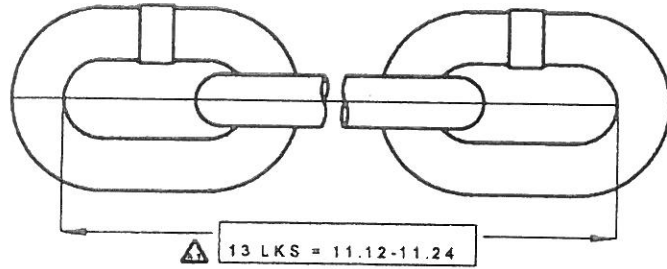
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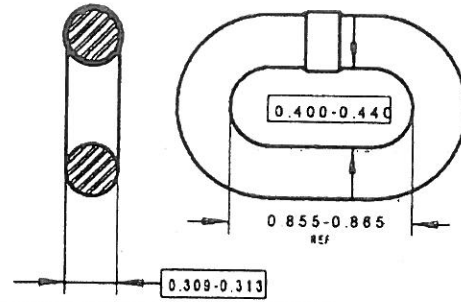
C150 Chain

NOTE

1. CHAIN TO BE MFG AND TESTED IN ACCORDANCE WITH WELDED STEEL CHAIN SPECIFICATION LISTED BELOW
2. CHAIN SHALL NOT HAVE CRACKS, VOIDS, BURRS, GROOVES, OR EXCESSIVE WELD FLASH.
3. CHAIN LINKS SHALL BE UNIFORM AND SYMMETRICAL WITH NO SHARP EDGES, DISCONTINUITIES OR EXCESSIVE TOOLING MARKS



N / A	MAXIMUM WORKING LOAD LIMIT	
2880 LBS.	MINIMUM PROOF TEST LOAD	
5760	MINIMUM ULTIMATE BREAK	
15%	MINIMUM ELONGATION @ BREAK	
ZINC PLATED 0002 MINIMUM THICKNESS-YELLOW CHROMATE	PLATE PER ASTM B-633 CLASS FE/ZNS TYPE II	
ZINC PLATED 0002 MINIMUM THICKNESS-CLEAR CHROMATE	PLATE PER ASTM B-633 CLASS FE/ZNS TYPE III	8605530
SELF COLORED	LIGHTLY COATED WITH AN OIL BASED PRESERVATIVE PMS-APPROVED BY Progress Chain Co	
DESCRIPTION	SPECIFICATION	
FINISH REQUIREMENTS		8605530



A	3/23/98	RDJ	1. WAS 11.250-11.370 PER ECN #
REV	DATE	CHG BY	DESCRIPTION
REVISIONS			
DESCRIPTION			
5/16 SWING CHAIN			
MATERIAL			
9010220 C-1008			
HEAT TREAT			