

Report Number: 14110935

Nanjing Guhua MetalWork Co Ltd  
Xiongzhou Industrial Park  
Luhe District  
Nanjing, China  
LS11 OLSOrder Number: GH1120  
Date of Issue: 19/12/2014  
Test Date: 17/12/2014  
to 17/12/2014

**This report details the results of prototype tests carried out on Pressed Putlog Coupler Zinc Plated used for connecting steel tubes of 48.3mm outside diameter and of at least 3.2mm nominal wall thickness at a minimum in the construction of working scaffolds and falsework required for the construction, maintenance, repair and demolition of buildings and structures.**

### Description and Marks on couplings

Pressed Putlog Coupler Zinc Plated

Marks: BS 1139 2009, GH 09 14 L

### Basis of Tests

The couplings have been tested in accordance with the relevant sections and requirements of BS 1139-2.2:2009.

### Information supplied by the customer

Manufactured by:

Shape: To drawing shown at the end of this report  
Dimensions: To drawing shown at the end of this report  
Mass: To drawing shown at the end of this report  
Material Characteristics: To drawing shown at the end of this report  
Surface Protection: Zinc Plated

## RESULTS

### Design

The design of the coupling complied with the requirements of the relevant items in sections 4 and 5 of the standard.

### Dimensions and Material Characteristics

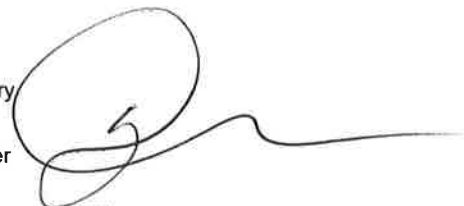
The measured dimensions of the coupler matched the stated dimensions given by the customer (see Drawings). Mass and material characteristics, of the couplings, were all within the tolerances as specified by the manufacturer. (Drawings are shown at the end of this report)

### Marking

The marking satisfy the requirements laid out in section 15. The year of the standard is not present.

**Results of all tests performed are detailed on the following pages.**

**This report consists of The Report & Appendix A**

Authorised Signatory  
L Mangham  
Operations Manager

**Slipping Force Tests of Putlog Couplers**, tested in accordance with Clause A.2

Tested using 3.2mm steel tube (RT <sub>S1</sub> )	
Test Number	<i>P max</i> (kN)
1	2.16
2	2.95
3	2.13
4	2.04
5	1.63
<hr/>	
F <sub>S5%</sub>	1.02

*P max* safe working loads for Putlog Couplers taken from Table B.1 from BS 1139-2.2:2009:  
 0.63kN

Load-displacement curves are shown in Appendix A as charts 1 to 5

From the results, the prototype is Accepted for slipping force

Photograph of Setup for Slipping Force



The photograph shown is for set up purposes only and may not be the coupler under test.

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Drawings

	1	2	3	4	5	6	7	B
	0.5~3	3~6	6~30	30~120	120~400	400~1000	1000~2000	2000~4000
Tol C	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	±4
Tol V		±0.5	±1.0	±1.5	±2.5	±4	±6	±8

6	Nut	1	35K	1/2"-12	GH-1000	
5	Washer	1	Q195		GH-1060	
4	Slot Bolt	1	35K	1/2"-12	GH-1031	
3	P/S Cap	1	Q195		GH-60-V2	
2	Rivet	2	ML08AL	ø8x20	GH-1100-V3	
1	Base	1	Q235		GH-04-1-V1	

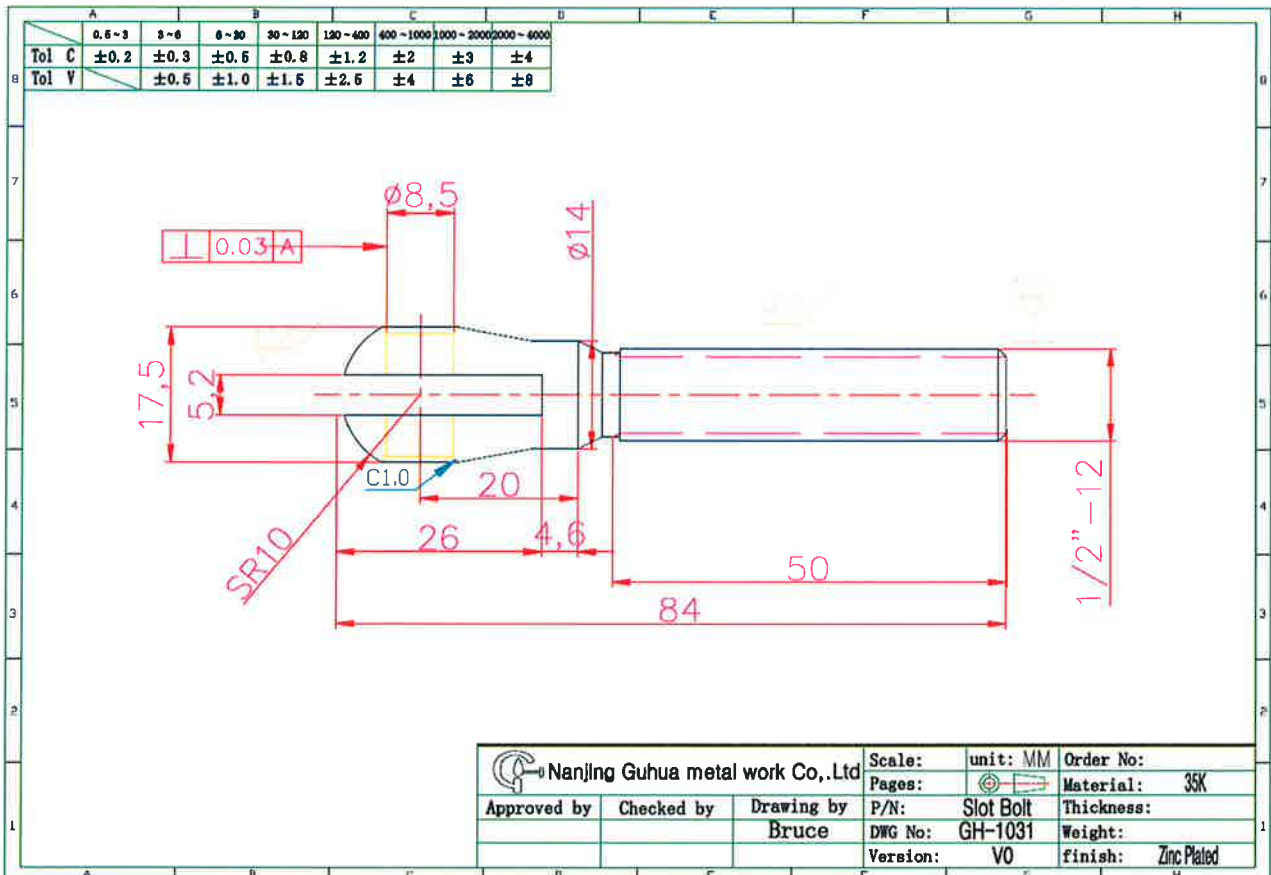
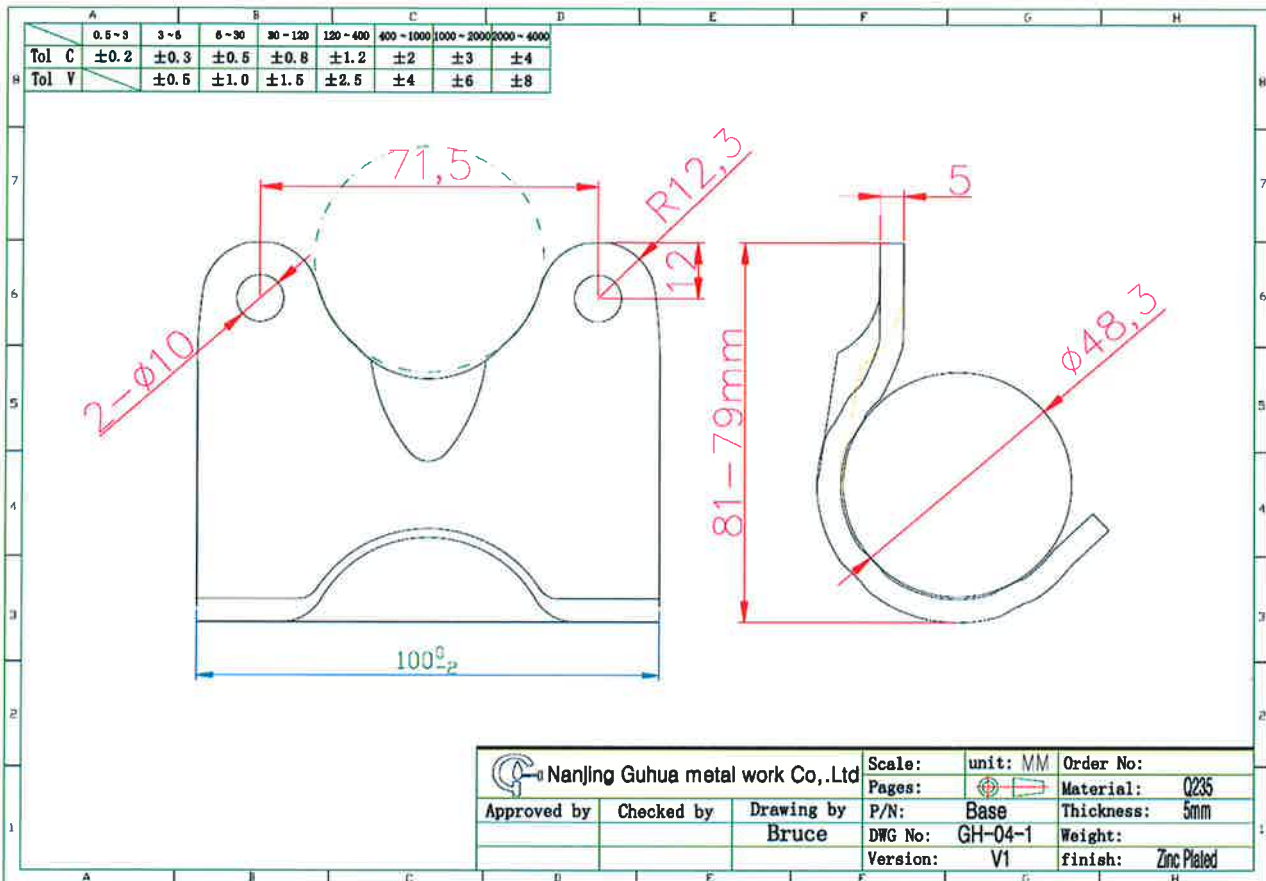
  

No.	Name	Q'TY	Mat'l	Size	Drawing No.	Remarks
Nanjing Guhua metal work Co., Ltd				Scale:	unit: MM	Order No:
Approved by: _____ Checked by: _____ Drawing by: Bruce				Pages:		Material:
				P/N: Tube Hop Up Bracket-1	Thickness:	
				DWG No: CL-04	Weight: 0.63Kg	
				Version: V1	finish: Zinc Plated	

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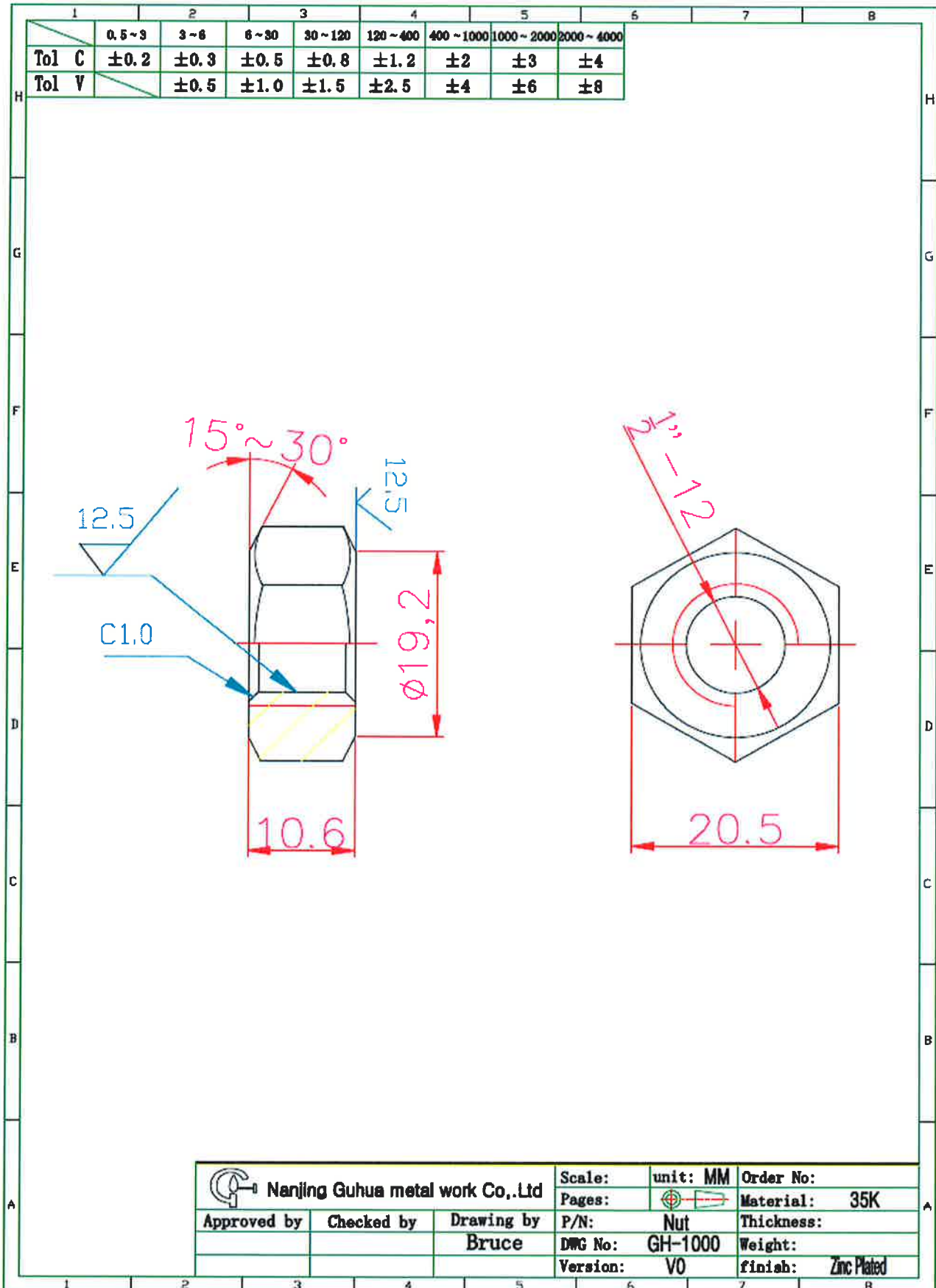


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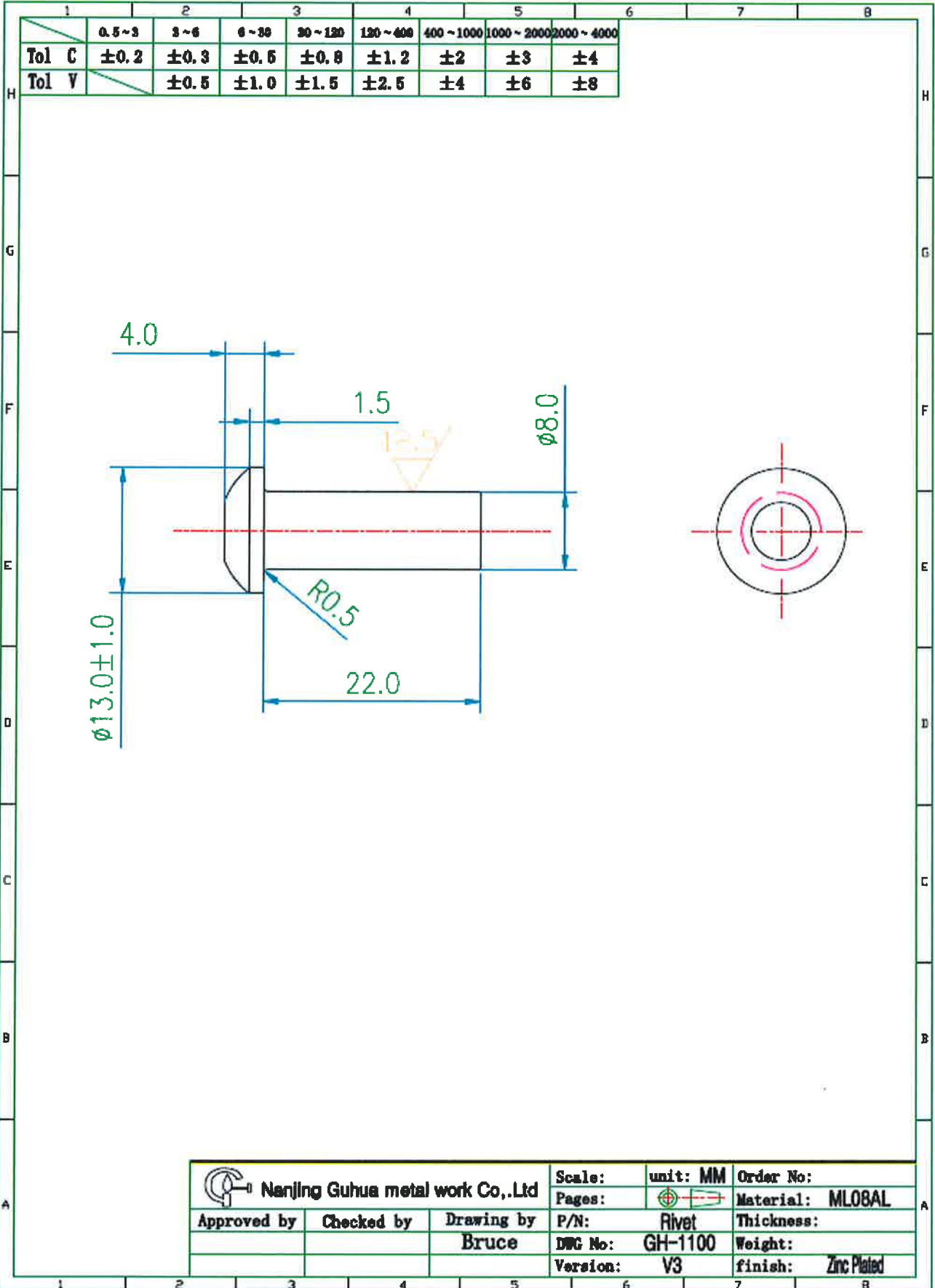
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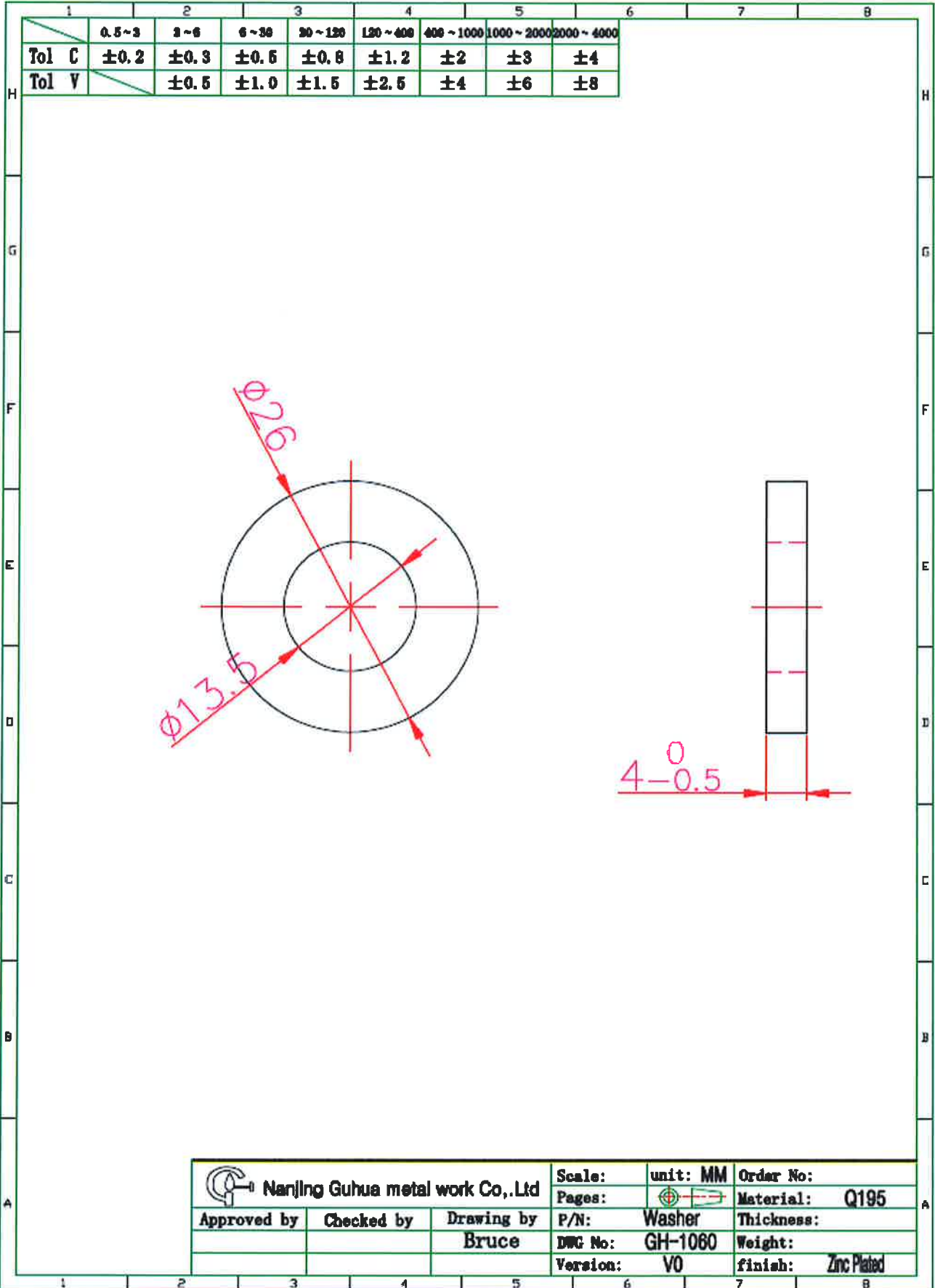
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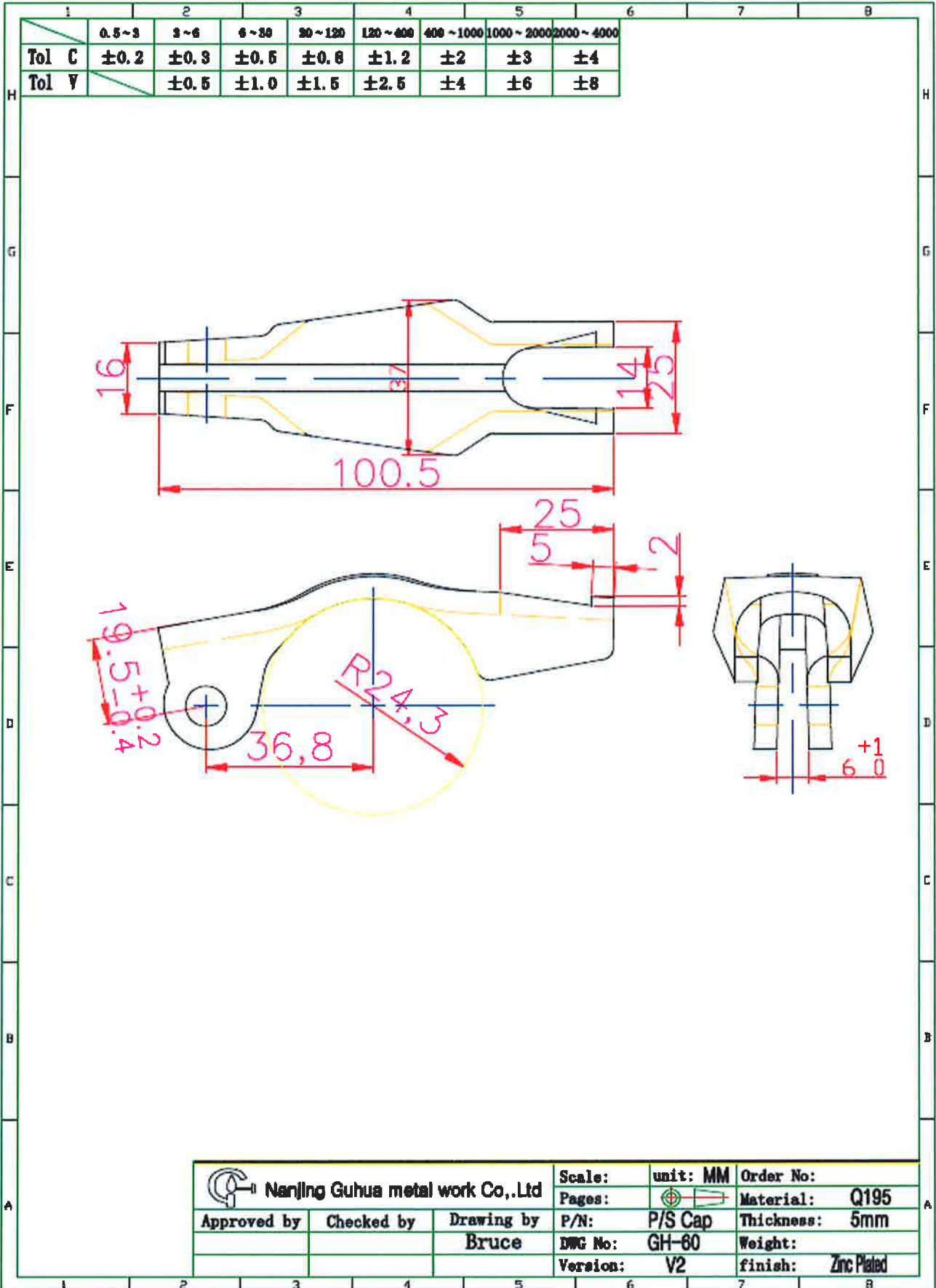
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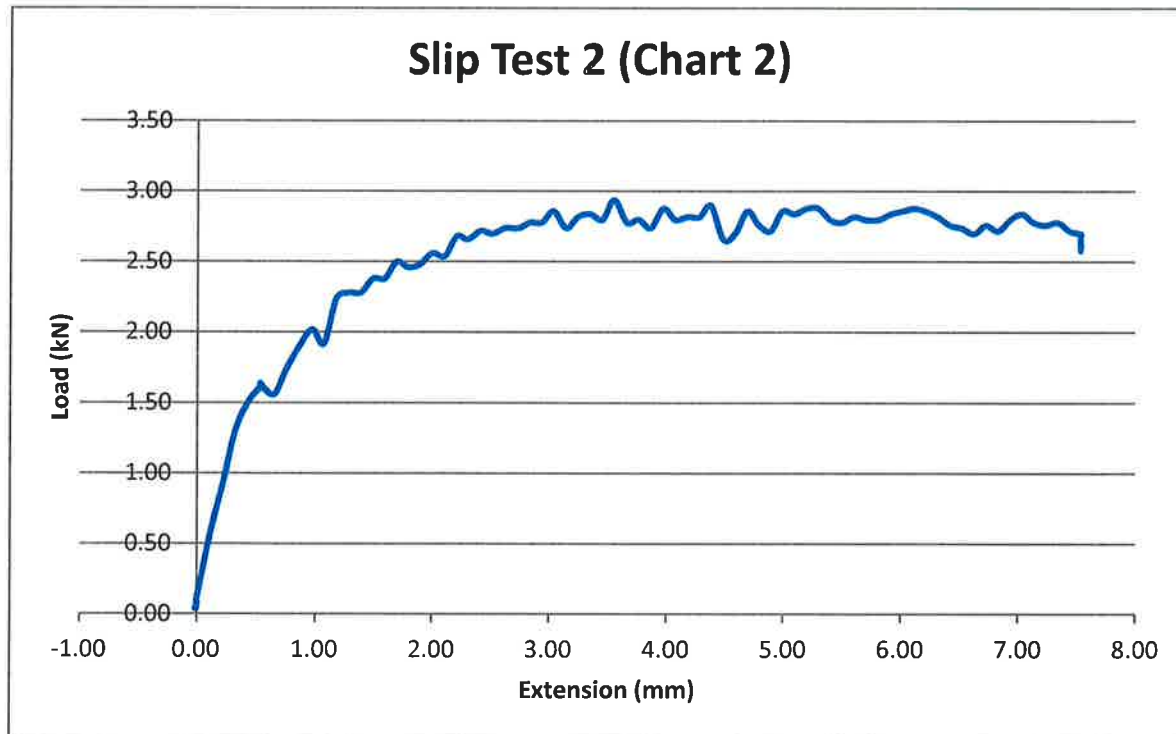
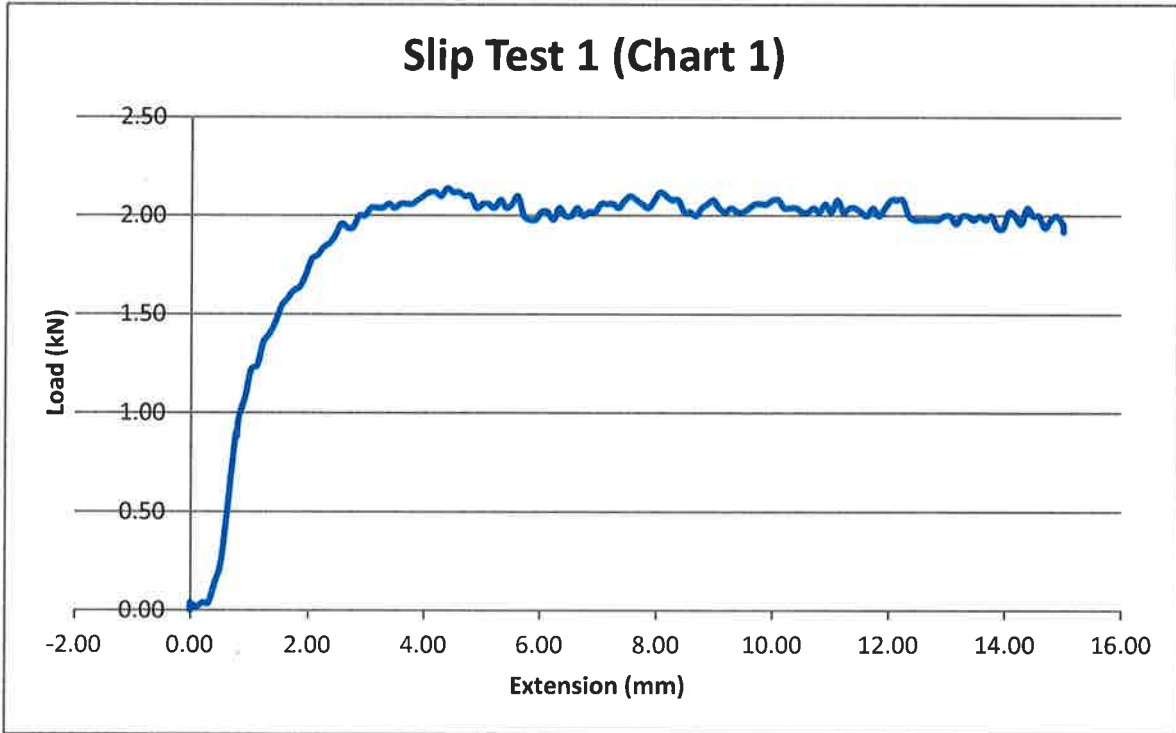
**Photographs of coupler submitted for testing.**



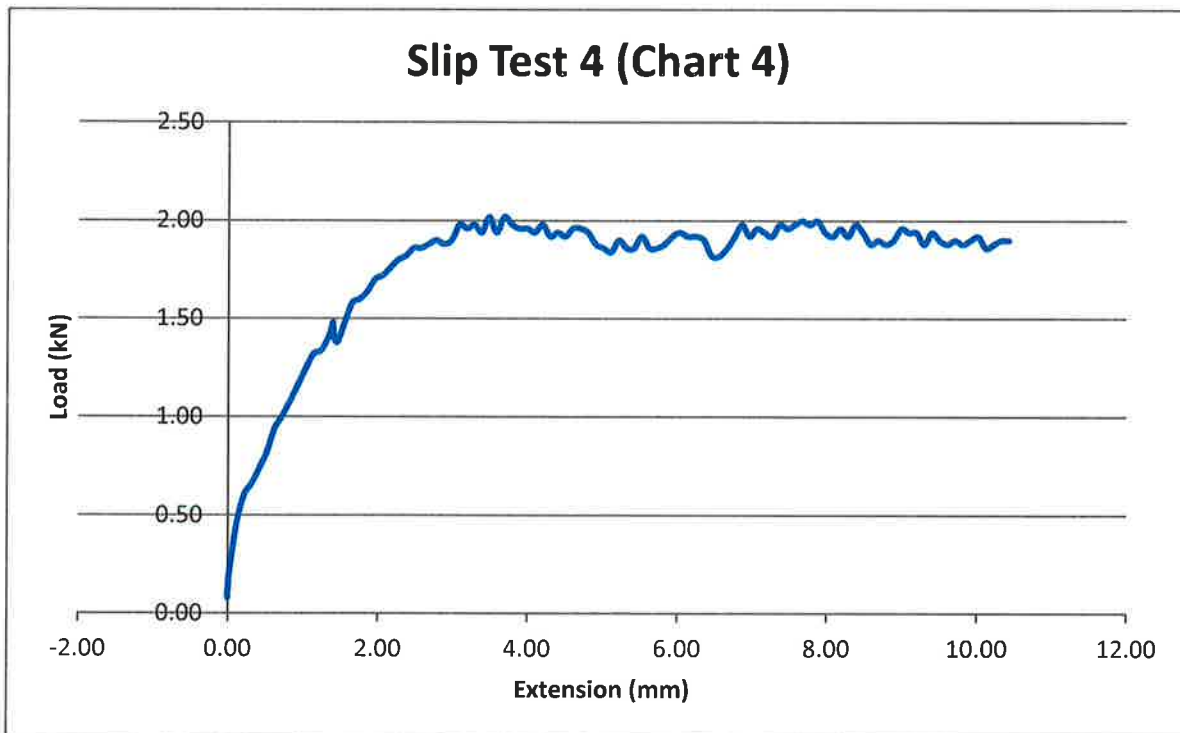
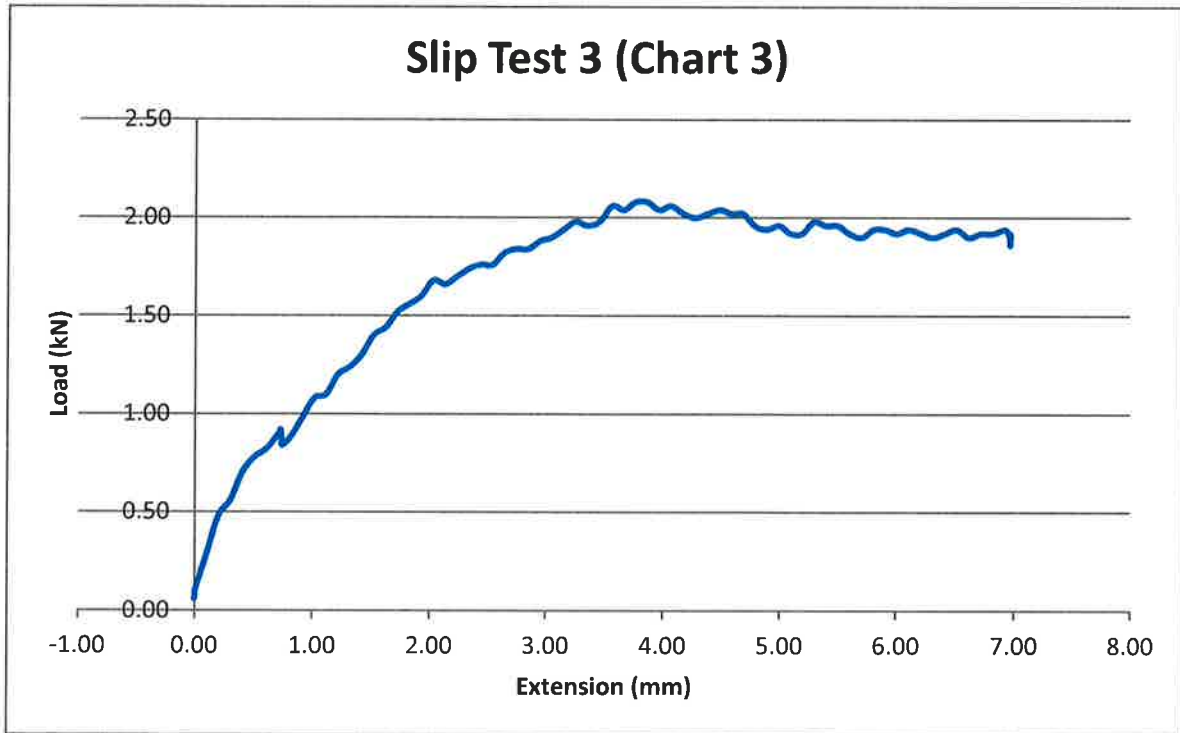
End of Report

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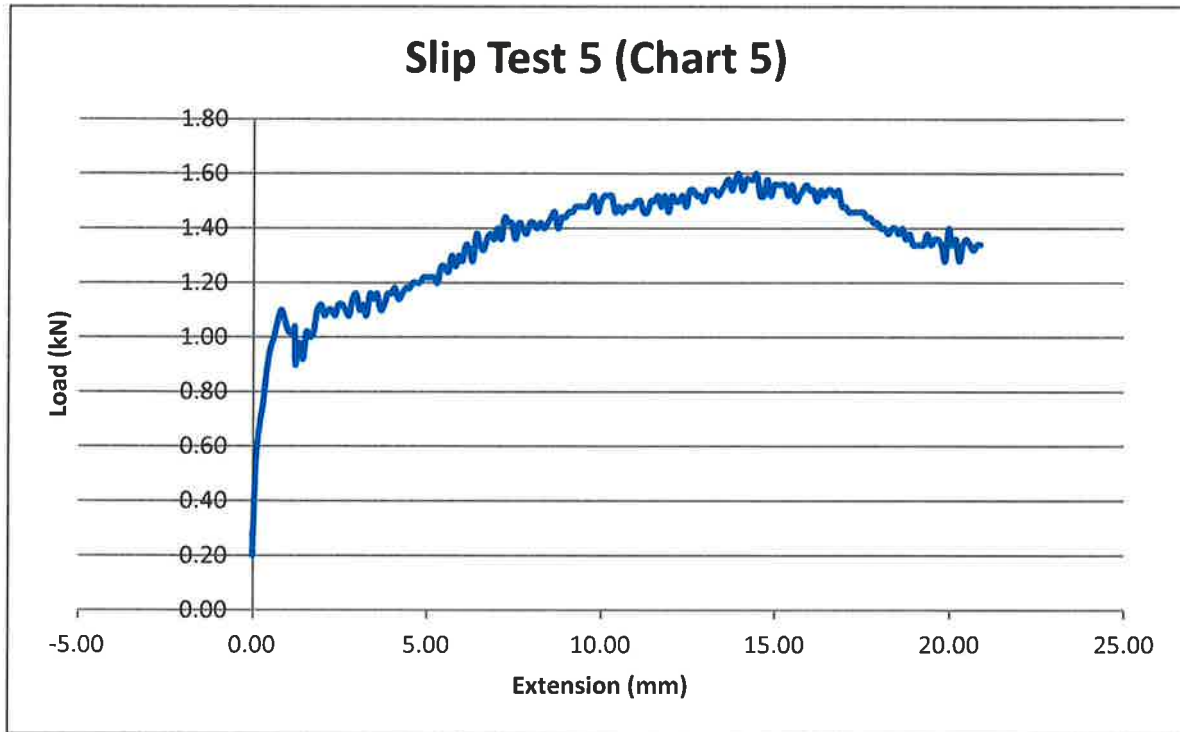
Appendix A



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