

Test Performed By: Dr. /Engr. S. Asad Ali Gillani

Mahwish Rana

Material Engineer (DHA Lab)

DHA Multan.

(Const of Swing Tower at Kashmir Park Sector-U)(M/S Fun Guides)

Client Reference: 701/13/Lab/75/DHA

Dated: 29-07-2025

SOM Lab Ref: CED/SOM/1586(Page-1/1)

Dated: 30-07-2025

Test: Tension Test

Test Specification: ASTM-F -1554

Sample Type: `L` Shaped Anchor- Bolts (Dia 25mm)

Gauge Length: 200 mm

S.No.	Diameter	Area	Yield Load	Ultimate Load	Yield Stress	Ultimate. Stress	Elongation	Gauge Length	%age Elongation	Reduction of Area (%)
	mm	mm <sup>2</sup>	kN	kN	MPa	MPa	mm	mm	%	
1	25 (L 2438mm)	490.625	178.50	272.20	364	554	50.0	200	25.0	41.3
2	25 (L 2438mm)	490.625	179.00	280.20	365	571	47.5	200	23.8	26.71
3	25 (L 2438mm)	490.625	185.70	300.50	378	612	50.0	200	25.0	40.4
							<b>Note:-</b>			
							<b>Only Three Samples</b>			
							<b>Received and Tested</b>			
Note: Please always confirm the results of above report on web <a href="http://www.uet-civil.edu.pk">www.uet-civil.edu.pk</a>										

Jaffar Hussain Randhawa

Test Performed By:

Dr. /Engr.

Nauman Khurram

RE RHC and BHU ECSP (Pvt) Ltd. Sheikhpora.(Revamping of BHU's of North and Central Punjab BHU of Skp)

Client Reference: ECSP/PM/SKP/028

Dated: 10-07-2025

SOM Lab Ref: CED/SOM/1585 (Page-1/1)

Dated: 30-07-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

Gauge Length: 200 mm

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	kg/m	mm	mm	mm <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	0.979	12	12.62	113	125	60.50	89.00	535	484	787	712	35.0	200	17.5	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only One Sample Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Deputy Director

**Test Performed By:** Dr. /Engr. Nauman Khurram

Punjab Housing & Town Planning Agency Sub Rrgion,Jhelum.(Const Materials of Rehb Of ADS-IV Jhelum)

**Client Reference:** 244

**SOM Lab**

**Ref:** 1587 (Page-1/1)

**Dated:** 29-07-2025

**Dated:** 30-07-2025

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A-615

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.655	4	0.494	0.20	0.192	5.96	9.14	65760	68500	100830	105030	1.20	8.0	15.0	
2	0.658	4	0.496	0.20	0.193	6.14	9.28	67670	70130	102290	106000	1.40	8.0	17.5	
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**BEND TEST:**

# 4	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)