

Capital Iron Industries (Pvt) Ltd.  
Lahore.(Sharif Group)

**Test Performed By:** Dr. /Engr. Ubaid Mughal

**Client Reference:** Nil  
**SOM Lab Ref:** CED/SOM/1602 (Page-1/1)  
**Test:** Tension Test & Bend Test  
**Sample Type:** Deformed Bar

**Dated:** Nil  
**Dated:** 04-08-2025  
**Test Specification:** ASTM-A 615  
**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	3.956	25	25.33	491	504	248.70	326.70	507	494	666	649	40.0	200	20.0	
2	3.979	25	25.40	491	507	248.70	329.20	507	491	671	650	40.0	200	20.0	
3	2.209	20	18.93	314	281	118.70	168.20	378	422	535	598	35.0	200	17.5	
4	2.207	20	18.92	314	281	117.20	167.70	373	417	534	597	35.0	200	17.5	
5	0.982	12	12.62	113	125	62.20	82.00	550	498	725	656	32.5	200	16.3	
6	0.980	12	12.61	113	125	63.50	83.00	561	509	734	665	35.0	200	17.5	
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**BEND TEST:**

25mm	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Nine Samples Received and Tested
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	Sample bend through 180 degrees Satisfactorily without any crack	

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

Muhammad Ibrar, PM

Test Performed By:

Dr. /Engr.

Nauman Khurram

Innovative ® Construction Company Lahore.(Project: Kingdom Arena,RUDA Lahore)

Client Reference: Nil

SOM Lab

Ref:

1597(Page-1/1)

Dated: 04-08-2025

Dated:

04-08-2025

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	2.627	8	0.991	0.79	0.772	26.01	34.56	72630	74320	96470	98720	1.50	8.0	18.8	
2	2.626	8	0.991	0.79	0.772	25.69	34.35	71720	73390	95900	98140	1.20	8.0	15.0	
3	1.468	6	0.741	0.44	0.431	14.32	18.62	71790	73290	93350	95300	1.60	8.0	20.0	
4	1.473	6	0.743	0.44	0.433	14.27	18.52	71540	72690	92840	94340	1.40	8.0	17.5	
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**BEND TEST:**

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

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

Ilyas Majeed Sheikh

Test Performed By:

Dr. /Engr.

Rizwan Samor

Chairman Eagle Dev.(Dream Galleria) (Project Of Dream Galleria,Dream Garden,Lahore)

Client Reference: Nil

SOM Lab

Ref:

1598 (Page-1/1)

Dated: Nil

Dated:

04-08-2025

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	1.655	6	0.787	0.44	0.486	17.07	20.92	85590	77490	104850	94920	1.50	8.0	18.8	
2	1.655	6	0.787	0.44	0.486	16.94	20.92	84920	76880	104850	94920	1.40	8.0	17.5	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only Two 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)

Client Reference: Nil

SOM Lab

Ref: 1599 (Page-1/1)

Dated: 04-08-2025

Dated: 04-08-2025

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Markhor Steel)

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	1.023	5	0.619	0.31	0.301	10.14	13.58	72160	74320	96600	99490	1.00	8.0	12.5	
2	1.023	5	0.619	0.31	0.301	10.21	13.56	72670	74840	96460	99340	1.20	8.0	15.0	
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**BEND TEST:**

# 5	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)

Abid Hussain  
Syed Brothers Construction Company Lahore Cantt.

Test Performed By: Dr. /Engr. Ubaid Mughal

Client Reference: Nil

Dated: 01-08-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 1600 (Page-1/1)

Dated: 04-08-2025

ASTM-A-615

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	2.709	8	1.007	0.79	0.796	26.40	37.00	73710	73150	103300	102520	1.30	8.0	16.3	
2	2.541	8	0.975	0.79	0.747	24.06	32.72	67160	71030	91350	96610	1.30	8.0	16.3	
3	1.477	6	0.743	0.44	0.434	13.93	19.06	69850	70810	95550	96870	1.20	8.0	15.0	
4	1.475	6	0.743	0.44	0.433	13.97	18.93	70000	71130	94880	96420	1.30	8.0	16.3	
5	0.654	4	0.494	0.20	0.192	6.10	8.84	67220	70020	97460	101520	1.10	8.0	13.8	
6	0.641	4	0.489	0.20	0.188	6.14	8.23	67670	71990	90720	96510	1.20	8.0	15.0	
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**BEND TEST:**

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

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

Muhammad Abdullah Kamran  
 PM UKH Builders.(UBL Statelife Society Building Project,Lahore)

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

**Client Reference:** Nil

**SOM Lab**

**Ref:** 1601 (Page-1/1)

**Dated:** Nil

**Dated:** 04-08-2025

**Test:** Tension Test & Bend Test

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

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar

ASTM-A-615

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	1.485	6	0.745	0.44	0.436	16.99	20.66	85180	85960	103570	104520	1.00	8.0	12.5	
2	0.646	4	0.492	0.20	0.190	6.63	8.26	73070	76910	91050	95840	1.00	8.0	12.5	
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**BEND TEST:**

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

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