

Riaz Sons & Company  
Lahore. (Construction of Bridge and Drain at TNB)

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

Client Reference: NLC Thokar

Dated: 15-08-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 1651 (Page-1/1)

Dated: 15-08-2025

ASTM-A-615

Deformed Bar (Kamran 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	2.653	8	0.997	0.79	0.780	25.18	35.44	70290	71190	98950	100220	1.20	8.0	15.0	
2	2.706	8	1.006	0.79	0.795	27.62	34.73	77120	76640	96960	96350	1.00	8.0	12.5	
3	1.518	6	0.754	0.44	0.446	15.14	20.85	75880	74860	104490	103080	1.30	8.0	16.3	
4	1.498	6	0.748	0.44	0.440	14.78	20.31	74090	74090	101780	101780	1.10	8.0	13.8	
5	0.677	4	0.503	0.20	0.199	6.14	8.38	67670	68010	92400	92870	1.10	8.0	13.8	
6	0.661	4	0.497	0.20	0.194	6.03	8.56	66550	68610	94420	97340	1.10	8.0	13.8	
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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)