

Test Performed by: Dr. S. Asad Ali Gillani

Awais Akram, RE
NESPAK Lahore.
(Resolving Traffic Congestion Issues at Serena Chowk &Convention Center Chowk,Isb)

Client Reference No.: 'SA-527/SUP/103/AA/04/87 Dated: 28-12-2024

SOM Lab Ref: CED/SOM/548 (Page-2/2) Dated: 10-01-2025

Test Type: Slippage Test

Sample Type: J-Bolt & Nuts (Dia 25x1000x180 mm)

Slippage Test Results

Sample No.	Sample Type	Diameter of Bolt (mm)	Maximum Load Applied (kN)	Remarks
1	J-Bolt & Nuts	25.0	151.2	Thread failure occurs at this load

Note: Please always confirm the results on web www.uet-civil.edu.pk

Engr. Farrukh Alvi,
Dy.General Manager (Works)
Habib Rafiq Engineering (Pvt.) Ltd, Lahore
(101 Tower, Lahore)

Test Performed by: Dr. Asad Ali Gillani

Client Reference No.: HRLE/SKG/2025/L-14/216-16/106-22/190

Dated: 10-01-2025

SOM Lab Ref: CED/SOM/550(Page-1/1)

Dated: 10-01-2025

Test: Tensile Test

Sample Type: M.S Deformed Steel bar with Coupler (Zahid Engineering)

Tension Test Results

Sr. No.	Bar Size	Area	Yield Load	Ultimate Load	Yield stress	Ultimate stress	Remarks
	(mm)	(mm²)	kN	kN	(Mpa)	(Mpa)	
1	22	380	168.00	243.20	442	640	Steel Sample breaks at this load from the threaded portion
2	22	380	168.70	254.20	444	669	Steel Sample breaks at this load from the threaded portion
3	16	201	93.70	118.20	466	588	Steel Sample breaks at this load from the threaded portion
4	16	201	104.00	134.70	517	670	Steel Sample breaks at this load from the threaded portion
5	16	201	101.00	125.50	502	624	Steel Sample breaks at this load from the threaded portion
6	16	201	97.80	118.00	486	587	Steel Sample breaks at this load from the threaded portion

Witnessed by: M.Irfan QC Engr/HRL, Zohaib Aslam Chief Surveyor /101 Group

Note: Please always confirm the results on web www.uet-civil.edu.pk

Test Performed by: Dr. S. Asad Ali Gillani

Muhammad Imran
Manager Procurement Everfresh Form (Pvt) Ltd. Lahore

Client Reference No.: Nil

Dated: 17-01-2025

SOM Lab Ref: CED/SOM/598 (Page-2/2)

Dated: 17-01-2025

Test Type: Slippage Test & Hardness Test

Sample Type: *Anchor Bolt with Nut*

Slippage Test Results

Sample No.	Sample Type	Diameter of Bolt (mm)	Maximum Load Applied (kN)	Remarks
1	Anchor Bolt with Nut	25.0	156.2	Thread failure occurs at this load

Hardness Test Details:

Machine used: Avery Rockwell Hardness Testing Machines
(Minor Load: 10 KgfMajor Load: 90.0 kgf Scale: B)

Hardness Test Results

Sample No.	Sample Type	Hardness avg
1	Threaded Rod	HR – 85.3– B
2	Anchor Bolt	HR – 68.3- B

Note: Please always confirm the results on web www.uet-civil.edu.pk

Engineer Muhammad Irfan
Dy Dir Infra. DHA Gujranwala.(Sec L)

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

Client Reference: 111/DD/Infra/Lab/K/1415

Dated: 06-01-2025

Test: Tension Test & Bend Test

Test Specification:

SOM Lab

Ref: 547 (Page-1/1)

Dated: 10-01-2025

ASTM-A-615

Defformed

Gauge Length: 8 inch

Sample Type:

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.502	6	0.749	0.44	0.441	15.67	19.98	78530	78360	100150	99920	1.50	8.0	18.8	
2	1.506	6	0.751	0.44	0.443	15.49	19.90	77670	77140	99740	99060	1.30	8.0	16.3	
3	0.664	4	0.498	0.20	0.195	6.37	8.74	70260	72060	96340	98810	1.20	8.0	15.0	
4	0.662	4	0.498	0.20	0.195	6.32	8.77	69700	71480	96670	99150	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<u>BEND TEST:</u>															
# 6	Sample bend through 180 degrees Satisfactorily without any crack										Note:- Only Six 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															

Yasir Ahmad
GM-Works FF Steel Lahore.

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

Client Reference: Nil

SOM Lab

Ref: 349 (Page-1/1)

Dated: 06-01-2025

Dated: 10-01-2025

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (FF 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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.042	5	0.624	0.31	0.306	10.62	14.07	75570	76560	100080	101390	1.10	8.0	13.8	1
2	1.040	5	0.624	0.31	0.306	10.45	14.07	74340	75310	100080	101390	1.20	8.0	15.0	2
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>BEND TEST:</u>															
--	No Bend test performed										Note:- Only Two Samples Received and Tested				
Note: Please always confirm the results of above report on web www.uet-civil.edu.pk															

NESPAK Lhr.(Rehb/Improvement of Streets Sewerage/Drainage UC-195 Nishter Zone MCL)

SOM Lab

Client Reference: 4084/103/LDP/NZ/04/84

Dated: 10-01-2025

Test Specification: ASTM-A-615

Sample Type: Deformed Bar

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:-
-----	--	---------------

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Engr. Hassan Khan Sherwani

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

Manager Const Aziz Fatima Medical & Dental College Faisalabad.(Canal View Hospital Faisalabad)

Client Reference: AFT/Civil/25/01/06-04

SOM Lab

Dated: 06-01-2025

Ref: 552 (Page-1/1)

Dated: 10-01-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Sheikhoo 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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.635	8	0.993	0.79	0.774	24.77	33.84	69160	70580	94480	96430	1.50	8.0	18.8	
2	2.669	8	0.999	0.79	0.784	24.77	33.89	69160	69680	94620	95350	1.30	8.0	16.3	
3	1.489	6	0.747	0.44	0.438	14.80	19.49	74190	74530	97690	98140	1.40	8.0	17.5	
4	1.512	6	0.752	0.44	0.444	15.01	19.62	75210	74540	98360	97470	1.50	8.0	18.8	
5	0.663	4	0.498	0.20	0.195	6.42	8.51	70820	72640	93860	96270	1.20	8.0	15.0	
6	0.660	4	0.497	0.20	0.194	6.47	8.53	71380	73590	94090	97000	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- 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

Umair Latif , Dev Engr.

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

Uni Of The Punjab Lhr.(Const Of Law College Graduate Block at University Law College at Q.A.C)

Client Reference: D-4151-DE

SOM Lab

Dated: 10-01-2025

Ref: 553(Page-1/1)

Dated: 10-01-2025

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.616	8	0.990	0.79	0.769	24.67	35.37	68870	70750	98750	101450	1.20	8.0	15.0	
2	2.596	8	0.986	0.79	0.763	24.64	35.17	68790	71220	98180	101660	1.10	8.0	13.8	
3	1.492	6	0.747	0.44	0.438	14.48	19.29	72560	72890	96670	97110	1.10	8.0	13.8	
4	1.510	6	0.752	0.44	0.444	14.95	19.88	74960	74280	99640	98740	1.30	8.0	16.3	
5	0.669	4	0.501	0.20	0.197	7.41	9.38	81720	82970	103420	104990	1.00	8.0	12.5	
6	0.669	4	0.501	0.20	0.197	7.31	9.38	80600	81830	103420	104990	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- 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

Manzoor Ahmad Joya, RE

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

NESPAK Lhr.(Estb of Labour Colony at Quaid-E-Azam Business Park M2-Motorway Distt Skp,Pkg-A)

Client Reference: 3844/311/RE/016

SOM Lab

Dated: 31-12-2024

Ref: 554 (Page-1/1)

Dated: 10-01-2025

Test: Tension Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (SJ 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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.674	8	1.000	0.79	0.786	27.22	35.29	75980	76370	98520	99020	1.50	8.0	18.8	
2	2.671	8	1.000	0.79	0.785	27.03	34.88	75470	75950	97380	98000	1.40	8.0	17.5	
3	0.669	4	0.501	0.20	0.197	6.65	8.56	73290	74410	94420	95860	1.40	8.0	17.5	
4	0.670	4	0.501	0.20	0.197	6.70	8.66	73850	74980	95550	97000	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six 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

Engineer Muhammad Irshad
Dy Dir Dev. DHA Gujranwala.(150 Men Cook House)

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

Client Reference: 111/3/DD/Dev/Men Cook House/15
Dated: 02-01-2025
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 555 (Page-1/1)
Dated: 10-01-2025
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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.554	8	0.978	0.79	0.751	25.69	35.42	71720	75440	98890	104030	1.30	8.0	16.3	
2	2.444	8	0.956	0.79	0.718	24.26	32.33	67730	74520	90270	99320	1.40	8.0	17.5	
3	1.469	6	0.742	0.44	0.432	13.93	19.06	69850	71140	95550	97320	1.20	8.0	15.0	
4	1.463	6	0.740	0.44	0.430	12.92	17.79	64740	66250	89160	91240	1.10	8.0	13.8	
5	0.663	4	0.498	0.20	0.195	6.63	8.28	73070	74940	91280	93620	1.10	8.0	13.8	
6	0.666	4	0.500	0.20	0.196	6.65	8.33	73290	74790	91840	93710	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- 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		