

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

Mahwish Rana

Material Engineer (DHA Lab)

DHA Multan.

[Electrical Infrastructure Development Premium Homes(M/S MEFA)]

Client Reference: 701/13/Lab/65/DHA

Dated: 21-07-2025

SOM Lab Ref: CED/SOM/1546(Page-1/2)

Dated: 22-07-2025

Test: Tension Test

Test Specification: ASTM-F -1554

Sample Type: J 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 ²	kN	kN	MPa	MPa	mm	mm	%	
1	25 (L 800mm)	490.625	175.2	280.5	357.1	571.7	37.5	200	18.8	36.6
2	25 (L 800mm)	490.625	179.2	280.5	365.2	571.7	35.0	200	17.5	28.1
3	25 (L 800mm)	490.625	177.2	281.7	361.2	574.2	42.5	200	21.3	47.6
							Note:-			
							Only Three Samples			
							Received and Tested			

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

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

Mahwish Rana

Material Engineer (DHA Lab)

DHA Multan.

[Electrical Infrastructure Development Premium Homes(M/S MEFA)]

Client Reference: 701/13/Lab/65/DHA

Dated: 21-07-2025

SOM Lab Ref: CED/SOM/1546(Page-2/2)

Dated: 22-07-2025

Test: Tension Test

Sample Type: `Y` Shaped Anchor- Bolts (Dia 12mm)

Gauge Length: 50 mm

S.No.	Diameter	Area	Yield Load	Ultimate Load	Yield Stress	Ultimate. Stress	Elongation	Gauge Length	%age Elongation	Reduction of Area (%)
	mm	mm ²	kN	kN	MPa	MPa	mm	mm	%	
1	12 (L 250mm)	113.04	42.5	57.7	376.0	510.4	18.8	50	37.5	56.6
2	12 (L 250mm)	113.04	41.5	55.5	367.1	491.0	17.5	50	35.0	64.0
3	12 (L 250mm)	113.04	42.3	57.2	374.2	506.0	15.0	50	30.0	60.9
							Note:-			
							Only Three Samples			
							Received and Tested			
Note: Please always confirm the results of above report on web www.uet-civil.edu.pk										

Kashif Shahzad
 Manager Technical Gharibwal Cement Ltd.Lahore

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

Client Reference: GCL/Purchase/UET/008

Dated: 22-07-2025

SOM Lab Ref: CED/SOM/1545 (Page-1/2)

Dated: 22-07-2025

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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	0.875	12	11.89	113	111	54.50	82.50	482	491	729	744	30.0	200	15.0	H # 06
2	0.861	12	11.82	113	110	54.00	82.00	477	493	725	748	22.5	200	11.3	H # 06
3	0.879	12	11.94	113	112	53.70	80.50	475	480	712	720	27.5	200	13.8	H # 10
4	0.869	12	11.88	113	111	52.70	79.60	466	476	704	719	30.0	200	15.0	H # 10
5	0.868	12	11.87	113	111	51.50	78.50	455	466	694	710	32.5	200	16.3	H # 512
6	0.882	12	11.96	113	112	54.20	80.00	479	483	707	712	30.0	200	15.0	H # 512
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BEND TEST:

12mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
12mm	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

Kashif Shahzad
 Manager Technical Gharibwal Cement Ltd.Lahore

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

Client Reference: GCL/Purchase/UET/008
 SOM Lab Ref: CED/SOM/1545 (Page-2/2)
 Test: Tension Test & Bend Test
 Sample Type: Deformed Bar

Dated: 22-07-2025
 Dated: 22-07-2025
 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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	0.879	12	11.94	113	112	51.20	75.50	453	458	668	675	30.0	200	15.0	H # 12
2	0.896	12	12.05	113	114	52.70	77.20	466	462	683	677	25.0	200	12.5	H # 12
3	0.870	12	11.88	113	111	54.20	82.20	479	489	727	742	25.0	200	12.5	H # 218
4	0.868	12	11.87	113	111	52.70	80.70	466	477	714	730	25.0	200	12.5	H # 218
5	0.870	12	11.88	113	111	54.70	82.00	484	494	725	740	27.5	200	13.8	H # 511
6	0.875	12	11.92	113	112	55.00	82.70	486	494	731	742	25.0	200	12.5	H # 511
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BEND TEST:

12mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
12mm	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

Assistant Manager (Projects)

Test Performed By:

Dr. /Engr. Nauman Khurram

Lahore Waste Management Company GOP.(Const/Upgradation of Waste Enclosure at Hando,Distt Lahore)

Client Reference: LWMC-P&P-115

SOM Lab

Ref: 1542 (Page-1/2)

Dated: 21-07-2025

Dated: 22-07-2025

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.683	4	0.506	0.20	0.201	6.12	9.45	67450	67110	104200	103690	1.10	8.0	13.8	
2	0.648	4	0.492	0.20	0.190	5.63	8.53	62050	65320	94090	99040	1.20	8.0	15.0	
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BEND TEST:

--	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

Assistant Manager (Projects)

Test Performed By:

Dr. /Engr. Nauman Khurram

Lahore Waste Management Company GOP.(Const/Upgradation of Waste Enclosure at Hando,Distt Lahore)

Client Reference: LWMC-P&P-116

SOM Lab

Ref:

1542 (Page-2/2)

Dated: 21-07-2025

Dated:

22-07-2025

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.652	4	0.494	0.20	0.192	5.98	9.23	65990	68740	101730	105970	1.20	8.0	15.0	
2	0.675	4	0.502	0.20	0.198	5.68	8.56	62610	63250	94420	95380	1.20	8.0	15.0	
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BEND TEST:

--	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

Engr. Tausif (Project Manager)
Zubair Grain Products (Pvt.) Ltd.

Test Performed By: Dr. /Engr.

Dr. Asad Ali
Gillani

Client Reference: Nil

Dated: 22-07-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 1544 (Page-1/1)

Dated: 22-07-2025

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	2.546	8	0.976	0.79	0.748	29.79	36.26	83160	87820	101230	106910	1.30	8.0	16.3	
2	2.552	8	0.977	0.79	0.750	29.68	36.21	82870	87290	101080	106470	1.20	8.0	15.0	
3	1.643	6	0.784	0.44	0.483	18.62	21.66	93350	85040	108580	98910	1.30	8.0	16.3	
4	1.642	6	0.784	0.44	0.483	18.52	21.56	92840	84580	108070	98450	1.40	8.0	17.5	
5	0.597	4	0.472	0.20	0.175	7.14	8.43	78690	89930	92960	106240	1.00	8.0	12.5	
6	0.596	4	0.472	0.20	0.175	7.19	8.46	79250	90570	93300	106630	1.20	8.0	15.0	
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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

Sub Divisional officer,
 BSD Kasur.(Up-Gradation/Rehb of Office Building For deputy Director Kasur)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 288/K

SOM Lab

Ref: 1543 (Page-1/1)

Dated: 06-05-2025

Dated: 22-07-2025

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.491	6	0.747	0.44	0.438	13.61	21.58	68210	68530	108170	108660	1.30	8.0	16.3	
2	1.508	6	0.751	0.44	0.443	13.83	21.07	69340	68870	105610	104900	1.40	8.0	17.5	
3	0.659	4	0.497	0.20	0.194	6.27	9.28	69130	71270	102290	105460	1.20	8.0	15.0	
4	0.652	4	0.494	0.20	0.192	6.60	10.06	72730	75760	110950	115570	1.10	8.0	13.8	
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BEND TEST:

--	No Bend test performed	Note:- Only Four Samples Received and Tested

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

Muhammad Shafeeq
 Manager Operations INDIGO Signature Apartments Lahore.

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil
 Dated: 18-07-2025

SOM Lab
 Ref: 1547 (Page-1/1)
 Dated: 22-07-2025

Test: Tension Test & Bend Test
 Gauge Length: 8 inch

Test Specification: ASTM-A-615
 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	0.664	4	0.498	0.20	0.195	6.68	8.18	73630	75520	90150	92460	1.30	8.0	16.3	
2	0.672	4	0.501	0.20	0.197	7.03	8.38	77560	78750	92400	93810	1.20	8.0	15.0	
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BEND TEST:

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

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