خان ستیل
KHAN STEEL MILL
KSM

خان ستیل - د ابادی بنست/خان ستیل - بنیاد آبادی

About us:

Khan Steel mill (KSM) is the biggest and standard steel factory in Afghanistan. Its 100% Afghan owned and operated. In October 2015, we established a fully licensed steel smelting factory on new Bagram Road in the Pol-e-Charkhi Industrial Park of Kabul.

KSM has started production in August 2017 but formally inaugurated in January of 2018. Our company was founded for the development of the steel industry in Afghanistan to supply the large number of national construction projects ongoing in the joint effort of rebuilding of our country. we have created more than 700 job opportunities for the community, reduced the costs of construction, and contributed to the development of our country.

This modern and standard factory is in smelting of recycled (scrap steel) from within Afghanistan to produce mild steel products which meet international standards.

Our highly-qualified engineers and technical staff is fully aware of the various International Standards required for the various products and we are producing manufacture for our clients throughout the country.

Our company is dedicated to providing high quality products and services to our clients. Our management and engineer teams utilized modern technology in our manufacturing processes to ensure all products of this factory are produced to the highest quality standards. In or commitment to quality, Khan Steel is engaged in certification to ISO as well.

Khan Steel is aware of the environmental impact of such a business and have taken all appropriate measures for control of smoke emission and the surrounding area to ensure full compliance of environmental regulations, and also engaged in certification of ISO and NEPA.

Through the development of Afghan made products and creation of employment opportunities to Afghan people, our factory is a vital part of the development and rebuilding of our country.

Our mission is to provide high quality service\products combined with trusted client, and to maintain high health and safety levels and solutions to the client's need. We aspire to achieve business excellence through:

The spirit of entrepreneurship and innovation
Optimum utilization of resources
Sustainable environment-friendly procedures
Hiring, developing, and retaining the best people

Business
Rationale

We take this opportunity to introduce ourselves as the newest and one of the very few 100% Afghan owned steel melting companies in Afghanistan.

The philosophy of founding the company rises as the following concepts:
High and continual demand of steel products in Afghan market. Supplementary Existence of Raw material (Recycled or scrap steel) Cost efficient products readily available to the local market Supplementary human power with economical employment

Possibility of applicable profit

The factory is equipped with modern, advanced technological equipment for the manufacturing and testing of steel products. The primary output of our company is to offer a comprehensive service (melting and production of steel bars and angles) in the field of structural services.

As Afghanistan is in a phase of rebuilding and development, our goal is to provide local, cost-efficient steel products to the construction market of Kabul and surrounding major cities.

Goals
and Objectives

- Production of High-Quality Steel Rebar Products
- Production of High-Quality T iron Products
- Providing Excellent Customer Service
- Nation-wide Services
- Exporting Products
- Providing Jobs for the Community
- Promoting the Manufacturing and Sales of Afghan-made Products

Khan Steel has established a highly-qualified, dynamic Engineering Department to assist our clients achieve the most economical steel supply solutions from an Afghan-based company thus reducing procurement timeframes related to importation of goods from foreign suppliers. Our engineers utilize 3D modeling software design, TEKLA Structure for product detailing and designs. Our management facilitates responsive, effective communications between our clients and our engineering team to ensure personalized customer service.

Our overall aspiration is to become the leader in Engineering and Heavy Fabrication services to customers not only in Kabul but throughout our country. We will strive hard to be an nationally recognized company in Engineering and Fabrication solutions with cost effective services to our customers.

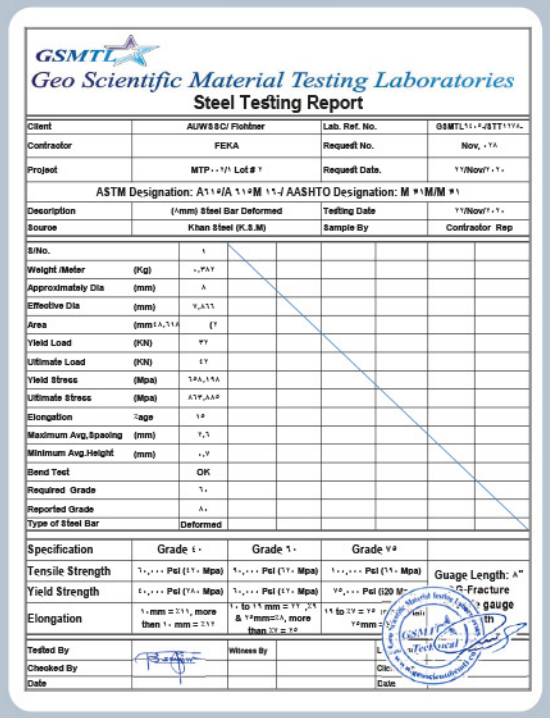
We are not concentrated on just supplying the market with standardized products but also working closely with each of our clients to develop and engineer products specifically for their projects. This is a level of customer service that is unparalleled in the region. We are not just a steel products factory; we are a customer-oriented steel products provider.

We are pleased to have successfully passed several quality evaluations, and provide steel rebar to multiple flagship national projects. Which shows that we offer standard products.

Our rebar and smooth bar products:

- 8mm
- 10mm
- 12mm
- 14mm
- 16mm
- 18mm
- 20mm
- 22mm
- 25mm
- 28mm
- 30mm
- 32mm
- 36mm

8 mm



GSMTL
Geo Scientific Material Testing Laboratories
Steel Testing Report

Client	AUWSSC/ Fishlner	Lab. Ref. No.	GSMTL١٤٠٢/٤TT١٧٨-
Contractor	FEKA	Request No.	Nov, ٠٢٨
Project	MTP٠٠٢/١ Lot # ٢	Request Date.	٢٢/Nov/٢٠٢٠

ASTM Designation: A٦١٥/A ٦١٥M ١٦-/ AASHTO Designation: M ٣١M/M ٣١

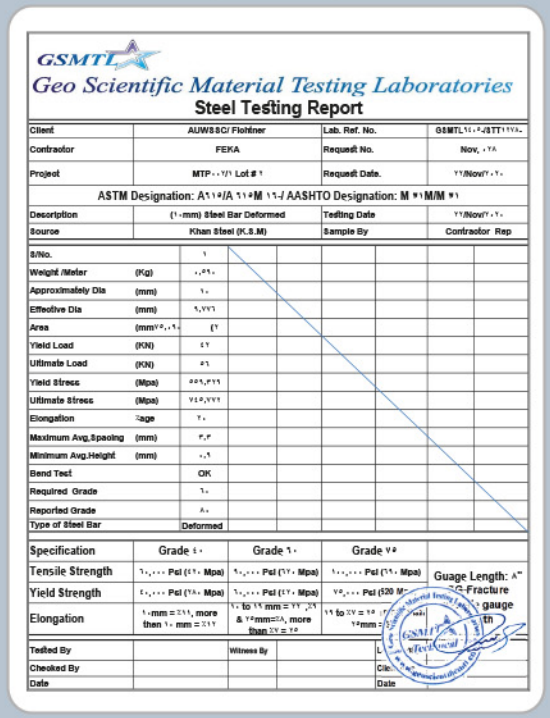
Description	(٨mm) Steel Bar Deformed	Testing Date	٢٢/Nov/٢٠٢٠
Source	Khan Steel (K.S.M)	Sample By	Contractor Rep

S/No.		١						
Weight /Meter	(Kg)	٠,٣٨٢						
Approximately Dia	(mm)	٨						
Effective Dia	(mm)	٧,٨٦٦						
Area	(mm٤٨,٦١٨	(٢						
Yield Load	(KN)	٣٢						
Ultimate Load	(KN)	٤٢						
Yield Stress	(Mpa)	٦٣٨,١٩٨						
Ultimate Stress	(Mpa)	٨٦٣,٨٨٥						
Elongation	%age	١٥						
Maximum Avg.Spacing	(mm)	٧,٦						
Minimum Avg.Height	(mm)	٠,٧						
Bend Test		OK						
Required Grade		٦٠						
Reported Grade		٨٠						
Type of Steel Bar		Deformed						

Specification	Grade ٤٠	Grade ٦٠	Grade ٧٥	
Tensile Strength	٦٠,٠٠٠ Psi (٤١٠ Mpa)	٩٠,٠٠٠ Psi (٦٢٠ Mpa)	١٠٠,٠٠٠ Psi (٦٩٠ Mpa)	Guage Length: ٨"
Yield Strength	٤٠,٠٠٠ Psi (٢٨٠ Mpa)	٦٠,٠٠٠ Psi (٤٢٠ Mpa)	٧٥,٠٠٠ Psi (٥٢٠ M	G-Fracture
Elongation	١٠mm = ٢١١, more then ١٠ mm = ٢١٢	١٠ to ١٦ mm = ٢٢ ,٢١ & ٢٥mm=٨, more than ٢٧ = ٢٥	١٦ to ٢٧ = ٢٥ ٢٥mm =	gauge th

Tested By		Witness By		L	
Checked By				Clie	
Date				Date	

10 mm



GSMTL
Geo Scientific Material Testing Laboratories
Steel Testing Report

Client	AUWSSC/ Fishlner	Lab. Ref. No.	GSMTL١٤٠٢/٤TT١٧٨-
Contractor	FEKA	Request No.	Nov, ٠٢٨
Project	MTP٠٠٢/١ Lot # ٢	Request Date.	٢٢/Nov/٢٠٢٠

ASTM Designation: A٦١٥/A ٦١٥M ١٦-/ AASHTO Designation: M ٣١M/M ٣١

Description	(١٠mm) Steel Bar Deformed	Testing Date	٢٢/Nov/٢٠٢٠
Source	Khan Steel (K.S.M)	Sample By	Contractor Rep

S/No.		١						
Weight /Meter	(Kg)	٠,٥٩٠						
Approximately Dia	(mm)	١٠						
Effective Dia	(mm)	٩,٧٧٦						
Area	(mm٧٥,٠٩٠	(٢						
Yield Load	(KN)	٤٢						
Ultimate Load	(KN)	٥١						
Yield Stress	(Mpa)	٥٥٩,٣٩٩						
Ultimate Stress	(Mpa)	٧١٥,٧٧٢						
Elongation	%age	٢٠						
Maximum Avg.Spacing	(mm)	٣,٣						
Minimum Avg.Height	(mm)	٠,٩						
Bend Test		OK						
Required Grade		٦٠						
Reported Grade		٨٠						
Type of Steel Bar		Deformed						

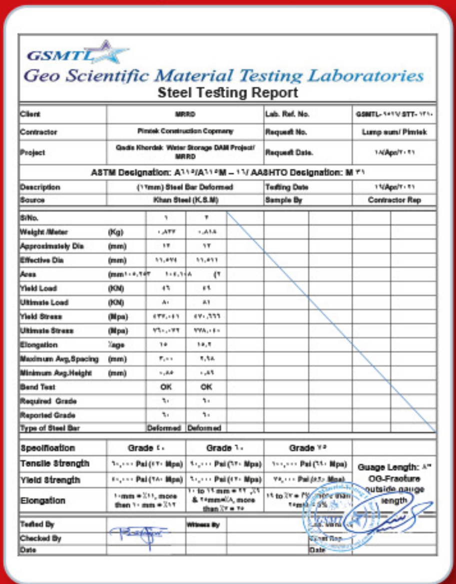
Specification	Grade ٤٠	Grade ٦٠	Grade ٧٥	
Tensile Strength	٦٠,٠٠٠ Psi (٤١٠ Mpa)	٩٠,٠٠٠ Psi (٦٢٠ Mpa)	١٠٠,٠٠٠ Psi (٦٩٠ Mpa)	Guage Length: ٨"
Yield Strength	٤٠,٠٠٠ Psi (٢٨٠ Mpa)	٦٠,٠٠٠ Psi (٤٢٠ Mpa)	٧٥,٠٠٠ Psi (٥٢٠ M	G-Fracture
Elongation	١٠mm = ٢١١, more then ١٠ mm = ٢١٢	١٠ to ١٦ mm = ٢٢ ,٢١ & ٢٥mm=٨, more than ٢٧ = ٢٥	١٦ to ٢٧ = ٢٥ ٢٥mm =	gauge th

Tested By		Witness By		L	
Checked By				Clie	
Date				Date	

Our rebar and smooth bar products:

- Approved by first-tier construction consultants, labs and general contractors
- Compliance with quality requirements of the local landmark and National projects
- Grade 60, and above according to ASTM A615 international standards.
- Full length (11.7 meters) for all bars in bundles
- Controlled weight per unit length for more economic efficiency
- Mill test guarantee certificate and traceability
- Trusted Brand with KSM mark.
- More than 6 years of steel production experience.

12 mm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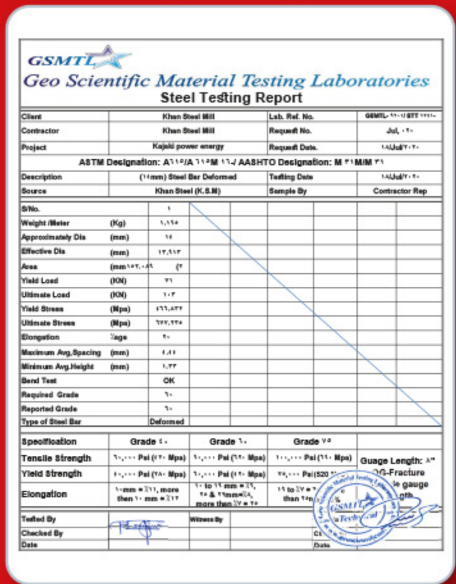
Steel Testing Report

14 mm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16 mm


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18 mm


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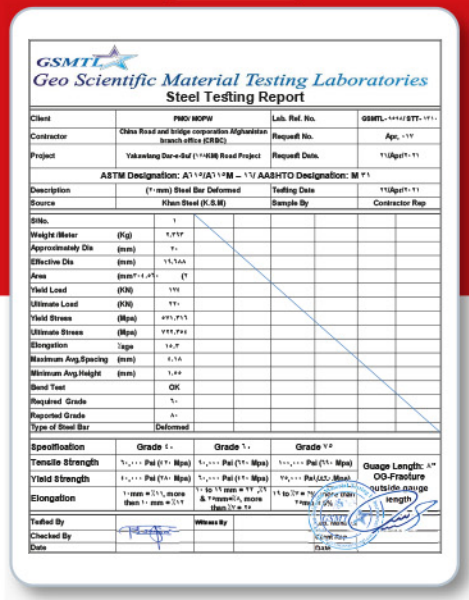
Our rebar and smooth bar products:

20 mm



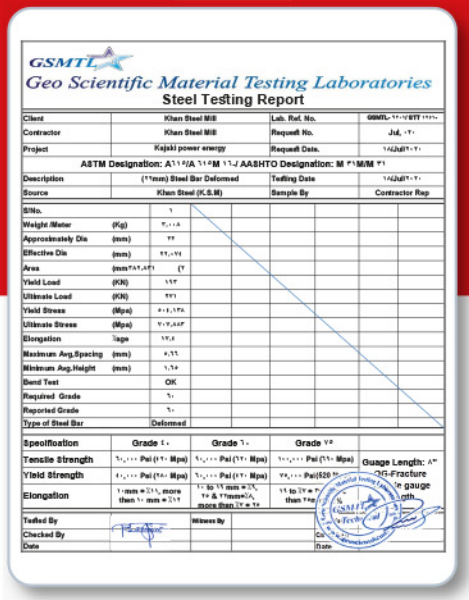
GSMTL
Geo Scientific Material Testing Laboratories
Steel Testing Report

Client	PMOI MOPW		Lab. Ref. No.		GSMTL-١٤٤٨/STT-١٢١٠
Contractor	China Road and bridge corporation Afghanistan branch office (CRBC)		Request No.		Apr, ٠١٧
Project	Yakawlang Dar-e-Suf (١٠٠KM) Road Project		Request Date.		٢١/Apr/٢٠٢١
ASTM Designation: A١١٥/A١١٥M – ١٧ AASHTO Designation: M ٣١					
Description	(٢٠mm) Steel Bar Deformed		Testing Date		٢١/Apr/٢٠٢١
Source	Khan Steel (K.S.M)		Sample By		Contractor Rep

S/No.		١								
Weight /Meter	(Kg)	٢.٢٦٢								
Approximately Dia	(mm)	٢٠								
Effective Dia	(mm)	١٩.١٨٨								
Area	(mm٢٠٤.٨٩٠	(٢								
Yield Load	(KN)	١٩٩								
Ultimate Load	(KN)	٢٢٠								
Yield Stress	(Mpa)	٤٩١.٢١٦								
Ultimate Stress	(Mpa)	٧٢٢.٢٥٤								
Elongation	%age	١٥.٢								
Maximum Avg.Spacing	(mm)	٤.١٨								
Minimum Avg.Height	(mm)	١.٢٠								
Bend Test		OK								
Required Grade		٦٠								
Reported Grade		٨٠								
Type of Steel Bar		Deformed								

Specification	Grade ٤٠	Grade ٦٠	Grade ٧٥	Guage Length: ٨" OG-Fracture outside gauge length
Tensile Strength	٦٠,٠٠٠ Psi (٤١٠ Mpa)	٩٠,٠٠٠ Psi (٦٢٠ Mpa)	١٠٥,٠٠٠ Psi (٧٢٥ Mpa)	
Yield Strength	٤٠,٠٠٠ Psi (٢٨٠ Mpa)	٦٠,٠٠٠ Psi (٤١٠ Mpa)	٧٥,٠٠٠ Psi(٥٢٠ Mpa)	
Elongation	١٠mm = ٢١٦, more then ١٠ mm = ٢١٢	١٠ to ١٦ mm = ١٢ ,٢٨ & ٢٠mm=٨, more then ٢٠ = ٧	١٦ to ٢٧ = ٧ more then ٢٠mm = ٥ ,٨	
Tested By		Witness By		
Checked By				
Date				

22 mm



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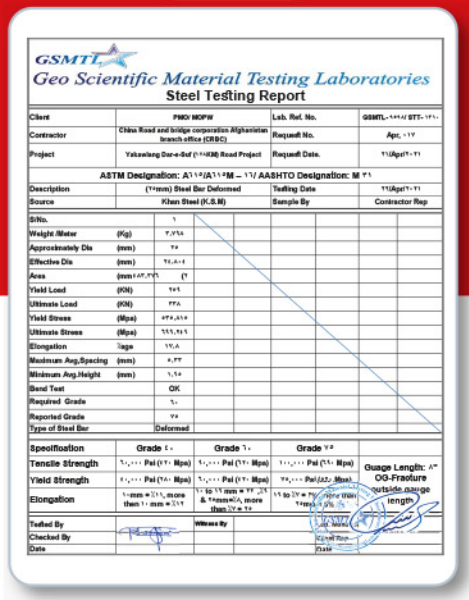
Geo Scientific Material Testing Laboratories
Steel Testing Report

Client	Khan Steel Mill		Lab. Ref. No.		GSMTL-١٤١٧/STT-١٢١٠
Contractor	Khan Steel Mill		Request No.		Jul, ٢٠
Project	Kajaki power energy		Request Date.		١٨/Jul/٢٠٢٠
ASTM Designation: A١١٥/A ١١٥M ١٧ AASHTO Designation: M ٣١M/M ٣١					
Description	(٢٢mm) Steel Bar Deformed		Testing Date		١٨/Jul/٢٠٢٠
Source	Khan Steel (K.S.M)		Sample By		Contractor Rep

S/No.		١								
Weight /Meter	(Kg)	٣.٠٠٨								
Approximately Dia	(mm)	٢٢								
Effective Dia	(mm)	٢١.٠٧١								
Area	(mm٢٨٢.٨٣١	(٢								
Yield Load	(KN)	١٩٣								
Ultimate Load	(KN)	٢٢١								
Yield Stress	(Mpa)	٤٠٤.١٣٨								
Ultimate Stress	(Mpa)	٧٠٧.٨٨٣								
Elongation	%age	١٢.٤								
Maximum Avg.Spacing	(mm)	٤.٢٢								
Minimum Avg.Height	(mm)	١.٦٠								
Bend Test		OK								
Required Grade		٦٠								
Reported Grade		٦٠								
Type of Steel Bar		Deformed								

Specification	Grade ٤٠	Grade ٦٠	Grade ٧٥	Guage Length: ٨" OG-Fracture outside gauge length
Tensile Strength	٦٠,٠٠٠ Psi (٤١٠ Mpa)	٩٠,٠٠٠ Psi (٦٢٠ Mpa)	١٠٥,٠٠٠ Psi (٧٢٥ Mpa)	
Yield Strength	٤٠,٠٠٠ Psi (٢٨٠ Mpa)	٦٠,٠٠٠ Psi (٤١٠ Mpa)	٧٥,٠٠٠ Psi(٥٢٠ Mpa)	
Elongation	١٠mm = ٢١٦, more then ١٠ mm = ٢١٢	١٠ to ١٦ mm = ١٢ ,٢٨ & ٢٠mm=٨, more then ٢٠ = ٧	١٦ to ٢٧ = ٧ more then ٢٠mm = ٥ ,٨	
Tested By		Witness By		
Checked By				
Date				

25 mm



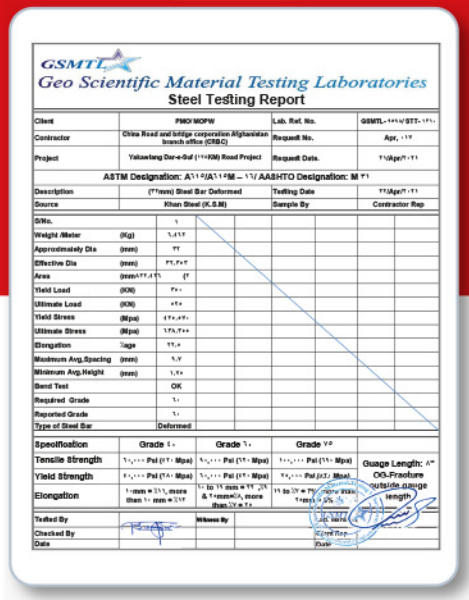
GSMTL
Geo Scientific Material Testing Laboratories
Steel Testing Report

Client	PMOI MOPW		Lab. Ref. No.		GSMTL-١٤٤٨/STT-١٢١٠
Contractor	China Road and bridge corporation Afghanistan branch office (CRBC)		Request No.		Apr, ٠١٧
Project	Yakawlang Dar-e-Suf (١٠٠KM) Road Project		Request Date.		٢١/Apr/٢٠٢١
ASTM Designation: A١١٥/A١١٥M – ١٧ AASHTO Designation: M ٣١					
Description	(٢٥mm) Steel Bar Deformed		Testing Date		٢١/Apr/٢٠٢١
Source	Khan Steel (K.S.M)		Sample By		Contractor Rep

S/No.		١								
Weight /Meter	(Kg)	٣.٧٦٨								
Approximately Dia	(mm)	٢٥								
Effective Dia	(mm)	٢٤.٨٠٤								
Area	(mm١٨٣.٢٣٦	(٢								
Yield Load	(KN)	٢٤٦								
Ultimate Load	(KN)	٣٣٨								
Yield Stress	(Mpa)	٥٣٨.٨١٥								
Ultimate Stress	(Mpa)	٧٤١.٩١٦								
Elongation	%age	١٢.٨								
Maximum Avg.Spacing	(mm)	٤.٣٣								
Minimum Avg.Height	(mm)	١.٦٠								
Bend Test		OK								
Required Grade		٦٠								
Reported Grade		٧٥								
Type of Steel Bar		Deformed								

Specification	Grade ٤٠	Grade ٦٠	Grade ٧٥	Guage Length: ٨" OG-Fracture outside gauge length
Tensile Strength	٦٠,٠٠٠ Psi (٤١٠ Mpa)	٩٠,٠٠٠ Psi (٦٢٠ Mpa)	١٠٥,٠٠٠ Psi (٧٢٥ Mpa)	
Yield Strength	٤٠,٠٠٠ Psi (٢٨٠ Mpa)	٦٠,٠٠٠ Psi (٤١٠ Mpa)	٧٥,٠٠٠ Psi(٥٢٠ Mpa)	
Elongation	١٠mm = ٢١٦, more then ١٠ mm = ٢١٢	١٠ to ١٦ mm = ١٢ ,٢٨ & ٢٠mm=٨, more then ٢٠ = ٧	١٦ to ٢٧ = ٧ more then ٢٠mm = ٥ ,٨	
Tested By		Witness By		
Checked By				
Date				

32 mm



GSMTL
Geo Scientific Material Testing Laboratories
Steel Testing Report

Client	PMOI MOPW		Lab. Ref. No.		GSMTL-١٤٤٨/STT-١٢١٠
Contractor	China Road and bridge corporation Afghanistan branch office (CRBC)		Request No.		Apr, ٠١٧
Project	Yakawlang Dar-e-Suf (١٠٠KM) Road Project		Request Date.		٢١/Apr/٢٠٢١
ASTM Designation: A١١٥/A١١٥M – ١٧ AASHTO Designation: M ٣١					
Description	(٣٢mm) Steel Bar Deformed		Testing Date		٢١/Apr/٢٠٢١
Source	Khan Steel (K.S.M)		Sample By		Contractor Rep

S/No.		١								
Weight /Meter	(Kg)	٦.٤١٢								
Approximately Dia	(mm)	٣٢								
Effective Dia	(mm)	٣١.٣٠٢								
Area	(mm٨٣٢.٨٣٦	(٢								
Yield Load	(KN)	٣٠٠								
Ultimate Load	(KN)	٤٢٠								
Yield Stress	(Mpa)	٤٢٠.٤٣٠								
Ultimate Stress	(Mpa)	٦٢٨.٣٠٠								
Elongation	%age	٢١.٠								
Maximum Avg.Spacing	(mm)	٤.٧								
Minimum Avg.Height	(mm)	١.٢٠								
Bend Test		OK								
Required Grade		٦٠								
Reported Grade		٦٠								
Type of Steel Bar		Deformed								

Specification	Grade ٤٠	Grade ٦٠	Grade ٧٥	Guage Length: ٨" OG-Fracture outside gauge length
Tensile Strength	٦٠,٠٠٠ Psi (٤١٠ Mpa)	٩٠,٠٠٠ Psi (٦٢٠ Mpa)	١٠٥,٠٠٠ Psi (٧٢٥ Mpa)	
Yield Strength	٤٠,٠٠٠ Psi (٢٨٠ Mpa)	٦٠,٠٠٠ Psi (٤١٠ Mpa)	٧٥,٠٠٠ Psi(٥٢٠ Mpa)	
Elongation	١٠mm = ٢١٦, more then ١٠ mm = ٢١٢	١٠ to ١٦ mm = ١٢ ,٢٨ & ٢٠mm=٨, more then ٢٠ = ٧	١٦ to ٢٧ = ٧ more then ٢٠mm = ٥ ,٨	
Tested By		Witness By		
Checked By				
Date				

Reno Geotechnical & Construction Material Testing Company

Address: House No.14, 6th Street of Khoshal Khan Road, Shaaza Square, Kabul
Website: www.renolab.co Email: lab.reno@yahoo.com - info@renolab.co
Phone: 0770909020, 0788909020

Material Certification & Physical Test Report Of Steel Reinforcement Bars

(ASTM A - 615 / A - 370)

Lab Ref. No:	R-21.01	Source:	KSM
Client:	K.S.M Company	Prpject Location:	Kabul Province Afghanistan
Contractor:	K.S.M Company	Sampled By:	Contractor
Project:	K.S.M Company	Sampling Date:	25.01.2021
Description:	8 mm Steel Samples	Testing Date:	25.01.2021

Grade	Sample No	Dia (mm)	Length (cm)	Mass		Effective Nominal Dia (mm)	Cross Sectional Area (Inch²)	Yield Strength		Ultimate Tensile Strength		Elongation %		Bend Test At 180°
				Weight (gms)	Unit Weight (Kg/m)			Load (KN)	Stress Achieved (Psi)	Load (KN)	Stress Achieved (Psi)	Achieved (%)	Actual (Inch)	Remarks
60	1	8.0	69.9	267.0	0.382	7.87	0.075	26.55	79153	33.78	100708	22.5	8.0	OK

Specification:	Grade 40	Grade 60	Grade 75	
Tensile Strength:	60,000 Psi (420 Mpa)	90,000 Psi (620 Mpa)	100,000 Psi (690 Mpa)	Guage Length: 8 Inch OG-Fracture Outside Guage Length
Yield Strength:	40,000 Psi (280 Mpa)	60,000 Psi (420 Mpa)	75,000 Psi (520 Mpa)	
Elongation:	10 mm = 11 % More Than 10 mm = 12 %	10 to 19 mm = 9 %, 22-25 mm = 8 %, More Than 25 = 7 %	19 to 25 mm = 7 % More Than 25 mm = 6 %	

Remarks:

Laboratory Technician: Laboratory Manager:

VICC VENCO IMTIAZ — C.M.T. LABORATORIES

Yield & Tensile Strength and Bend Tests of Steel Bars

ASTM A 615

Client:	Da Afghanistan Breshna Sherkat (DABS)	Request No:	CLKB-20608	Document No:	20608/39227
Subcontractor:	Venco-Imtiaz Construction Company	Date Sampled:	23-Nov-20	Date Tested:	24-Nov-20
Project:	Procurement of Plant - Design, Supply, Installation, Testing and Commissioning of 220/20-kV Substation at Sharana and 220 kV Line Bay at Ghazni Substation	Supplier	Khan Steel	Material:	10, 12, 14, 16, 18 & 20 mm Deformed Steel Bar
Sampled by:	VICC Laboratory	Manufacture:	Khan Steel, Afghanistan		

Sample No.	Required Grade	Diameter App (mm)	Weight (kg/m)	Weight lb/ft	Effective Dia (mm)	Area mm²	Yield Load (KN)	Ultimate Load (KN)	Yield Strength (MPA)	Ultimate Strength (MPA)	Percent Elongation (%)	Bend Test
39227.1	60	10	0.5805	0.390	9.7	74.0	34.62	48.5	467.8	654.6	20.0	OK
39227.2	60	10	0.5843	0.393	9.7	74.5	35.83	48.6	478.2	652.2	20.0	OK
39226.1	60	12	0.8411	0.565	11.7	107.2	52.75	81.2	491.9	756.8	15.0	OK
39226.2	60	12	0.8393	0.564	11.7	107.0	53.36	81.6	498.6	762.7	17.0	OK
39225.1	60	14	1.1790	0.792	13.8	150.3	64.63	98.2	429.9	652.9	17.5	OK
39225.2	60	14	1.1757	0.790	13.8	149.9	65.07	98.4	434.1	656.6	19.0	OK
39224.1	60	16	1.5163	1.019	15.7	193.3	104.90	134.5	542.6	695.7	15.0	OK
39224.2	60	16	1.4921	1.003	15.6	190.3	99.59	130.0	523.5	683.3	15.0	OK
39223.1	60	18	1.9665	1.321	17.9	250.7	131.0	177.6	522.4	708.3	17.5	OK
39223.2	60	18	1.9631	1.319	17.9	250.3	131.4	177.9	525.0	710.7	15.0	OK
39222.1	60	20	2.4274	1.631	19.9	309.5	164.8	216.3	532.5	698.8	17.5	OK
39222.2	60	20	2.4403	1.640	19.9	311.2	164.6	218.0	529.0	700.6	17.5	OK

Specification	Grade 40	Grade 60	Grade 75	
Tensile Strength	60,000 Psi (420 Mpa)	90,000 Psi (620 Mpa)	100,000 Psi (690 Mpa)	Gauge Length8" OG = Fracture Outside Gauge Length
Yield Strength	40,000 Psi (280 Mpa)	60,000 Psi (420 Mpa)	75,000 Psi (520 Mpa)	
Elongation	10 mm=11 % More Than 10 mm=12 %	10 to 19 mm=9 %,22-25 mm=8 % More Than 25 mm=7 %	19 to 25 mm=7 More Than 25 mm=6 %	

Remarks: The Yield and ultimate strength result is conforming to ASTM A 615 ,Grade 60

TESTED BY: Zahid Shah — CLIENT REPRESENTATIVE — LABORATORY MANAGER

Document title.: Yield & Tensile Strength and Bend Tests of Steel Bars	Date of Issue: 15/Mar/2013	Revision Date: 01/April/2015	Rev No: 01
Page 1 of 1		Doc. No.: VICC-LAB-F-056	

Afghan Renewal Geotechnical Laboratory

AFGHAN RENEWAL GEOTECHNICAL LABORATORY
KHOSHAL KHAN MINA, DISTRIC #5, KABUL, AFGHANISTAN

لابراتوار جیو تیکنیکل افغان رینیو ال

STEEL TESTING REPORT
ASTM Designation: A615/A 615M -16/ AASHTO Designation: M 31M/M 31

لابراتوار جیوتیکنیکل افغان رینیوال

Steel Testing Report

Project	AFG/KBL/QATAR TOWN/SCHOOL2	Lab. Ref. No.	ARGL-2021031810
Client	AL GHARAFA	Date Sampled	18-Mar-21
Contractor	Builtech Construction Company	Date Received.	18-Mar-21
Description	(20mm) Steel Bar Deformed	Date Testing	18-Mar-21
Source	Khan Steel (K.S.M)	Sample By	Contractor Rep

S/No.		1
Weight /Meter	(Kg)	2.407
Approximately Dia	(mm)	20
Effective Dia	(mm)	19.746
Area	(mm2)	306.224
Yield Load	(KN)	190.43
Ultimate Load	(KN)	230.42
Yield Stress	(Mpa)	621.87
Ultimate Stress	(Mpa)	752.46
Elongation	%age	15.0
Maximum Avg,Spacing	(mm)	6.18
Minimum Avg.Height	(mm)	1.08
Bend Test		N/R
Required Grade		60
Reported Grade		75
Type of Steel Bar		Deformed

Specification	Grade 40	Grade 60	Grade 75	
Tensile Strength	60,000 Psi (420 Mpa)	90,000 Psi (620 Mpa)	100,000 Psi (690 Mpa)	Guage Length: 8" OG-Fracture outside gauge length
Yield Strength	40,000 Psi (280 Mpa)	60,000 Psi (420 Mpa)	75,000 Psi (520 Mpa)	
Elongation	10mm = 11%, more then 10 mm = 12%	10 to 19 mm = 9%, 22 & 25mm=8%, more than 25 = 7%	19 to 25 = 7% more than 25mm = 6%	

TESTED BY:	CHECKED BY:	CERTIFIED BY:	APPROVED BY:
ARGL TECHNICIAN	ARGL ENGINEER	CONTRACTOR QC ENGINEER	

Complete portfolio:

Most of finished steel products portfolio from a supplier in region Optimal efficiency in purchasing.
Controlled weight tolerance per unit length to increase effective area and optimize consumption

Certified material:

Certificate of quality for each consignment
Customization of products Ability to customize and produce special products on basis of customers' needs

Customer relationship management

Responsiveness goes beyond the usual customer relationship principles
Provide services to facilitate work in the implementation

Carbon Capture Unit:

We are determined to build a company here in Afghanistan, which is recognized for quality, reliability, excellence in environmental, health and safety performance which makes a positive contribution to the community in which it operates

Air pollution and their treatments are one of the major issues in metal industries. The large-scale furnaces release large amount of light weighted particles, treatment of these unwanted dust particles has to be carried out as they cause big environmental problems.

Weak infrastructural facilities and lack of advanced technologies are the other factors causing air pollution.

In Khan Steel we strictly follow effective housekeeping techniques and unique atmospheric condition contribute to active dust control plans.

We know the cause of dust formation, the characteristics of the dust and the source of dust emission so that we apply the system to control factors that causes dust and hazardous release.

In the beginning of Khan Steel mill, we installed two plants of high-quality dust collection system and retention filters they are designed with automatic system to extract dust, odour and smoke from the production unit environment via air extraction.

Time to time inspection, exhaust ventilation and dumping mechanisms are the factors that result in the complete control over the dust hazard.

We are aiming to evaluate potential benefits and possible challenges of the investments in the carbon dioxide capturing and utilization process in order to achieve efficient scale of emission reduction.

Khan Steel

air filtering/purifying capacity& expenses:

200,000 cubic meters /24 hrs.

Carbon powder collection: 2000 kg / 24 hrs.

Power Consumption: 1000 kw / 1 Megawatt / hour.

Process cost AFN 171,500 (2250 USD approx.)/ 24 hrs.

Support Required:

Carbon Capture and Utilization industrial unit of KSM needs continuous support of line governmental departments, climate change and protection organizations and funds.

This support will enable the sector to have the latest technological options for carbon engineering and re-use application.

Khan Steel Mill's CCU unit warmly welcomes experts and organizations to join the efforts to help the sector in converting the collected carbon to a valuable commodity which is currently a challenge.

We are dumping the collected carbon for now as of not having any promising option for re-use which will be turned to new headache for the steel industry. We call on Environment protection agencies to support KSM's CCU unit to map out potential organizations and experts to brainstorm on possible re-use of collected carbon.

Currently at Environmental Care Department of KSM, we are constantly following the global carbon engineers' innovation in chemical, fertilizer and concrete mixing sector to adapt the possible option in Afghanistan.

We are sure that our effort will lead to success which will help the steel industry in Afghanistan to contribute to the climate protection through carbon emission control and re-use mechanism.
We are hoping and expecting Carbon engineering experts to help KSM in building the capacity of Afghans to be able to re-use collected carbon in a promising sector with the technical collaboration of the carbon market initiatives.

Safety

We endeavor to avoid negligence through our safety management system to ensure a safe workplace for our employee and achieve zero LTI or fatality.

The Process of Creating Ultimate Strength

Melting

Spectrometer Test

Steel Billet

Steel Bars Rolling

C.N.C Rib Cutting

Physical & Chemical Test

Tagging & Dispatch

Chemical Composition

Constituent	DESIGNATION A615/A615M	KSM Product Max
C %	0.33%	0.30%
S%	0.053%	0.050%
P%	0.043%	0.040%
Si%	0.55%	0.40%
Mn%	1.56%	1.20%
CE%	0.55%	0.52%

SPECIAL NOTE: THIS ALL CONSTITUENT ARE IN MAXIMUM LIMIT IN ABOVE TABLE WITH COMPARISION BETWEEN DESIGNATION A615/A615M & OUR KHAN STEEL REBARS.

Mechanical Properties

PROPERTIES	DESIGNATION A615/A615M	KSM Product
Yield Strength (MPA)	420 Min.	450 Min.
Tensile Strength (MPA)	620 Min.	640 Min.
Elongation %	9% (8mm to 18mm)Min	15% (8mm to 18mm)Min.
	8% (20mm to 25mm)Min	15% (20mm to 25mm)Min.
	7% (28mm to 32mm)Min	15% (28mm to 32mm)Min.

Bendability:	Size	DESIGNATION A615/A615M (Mandrel diameter for 180 Degree Bend)	KSM Product (Mandrel diameter for 180 Degree Bend)
Bend	8mm to 16mm	3.5 D	3 D
Bend	18mm to 25mm	5 D	4 D
Bend	25mm to 32mm	7 D	6 D

We are committed to extending our factory:

2015
founded

2016
completed the construction.

2017
started products

2018
creation of the second phase

2019
start of the second phase products.

2020
founded 3th phase for producing.

2022
Started I-beam, H-beam, T-Iron and other produces.

Our Mission:

Our mission is to deliver and supply the most noteworthy quality products to our clients utilizing sustainable procedures that meet the most elevated global standards of environmental control.

We trust that profoundly talented and motivated employees are the way to accomplishing our goals and we will keep on providing outstanding training and investment in their future.

Our Vision:

Our vision is to participate consistently in extending our generation limits and expanding our production capacities with a specific end goal to meet the epidemically developing worldwide demand and therefore hold our position at the front of the steel business. We are trying to investee in mines Sector for extraction of iron, and we are working for this goal with the government from last two years.

Core Values:

Accountability: We accept our individual and team responsibilities and we meet our commitments. We take responsibility for our performance in all of our decisions and actions.

Cooperation: Good mutual cooperation across positions and departments is the basis for a pleasant working atmosphere in which employees feel good about themselves and what they are doing. The outmoded oppositions between production and maintenance, factory and administration, production and sales no longer have any places. A modern company must be based on teamwork and mutual trust, on striving together for continuous improvement.

Empowerment: To empower our talented people to take the initiative and to do what's right.

Innovation: We are creative in delivering value to our fellow associates, customers, shareowners, manufacturers and the community. We anticipate change and capitalize on the many opportunities that arise.

Leadership: We encourage leadership among employees to develop and maintain a talent pool.

Life, Health and Environment: We seek to improve our wellbeing, our working conditions and the surroundings in which we live in.

Open communication: All team members are encouraged to openly share their opinions and views.

Positive Change: Embracing and capitalizing on change, recognizing that every employee must be empowered to stimulate continuous improvement in all aspects of our business.

Professionalism: We strive to fulfill our responsibilities to the highest possible standards throughout.

Teamwork: Our team is supportive of each other's efforts, loyal to one another, and care for each other both personally and professionally.

Our ISO certificates

Certification of Registration
AMERICAN GLOBAL STANDARDS

ISO 6935-2:2015
PRODUCT CERTIFICATION

This is to certify that
The Carbon Steel Bars for Reinforcement of concert
Manufactured by: **KHAN STEEL MILL**
Address: New Bagram Road, Kabul – Afghanistan

is found to comply with technical requirements according to

ISO 6935-2:2015

Scope: Steel for the reinforcement of concrete – Part 2: Ribbed bars

This certificate is compliance based on manufacturer technical file of the above mentioned product and accredited laboratory test result records dated on April 05, 2017 report number 204321 and August 14, 2017 report number 230568

Certification Number: AGS-AFG-17002-CoC
Date of Issue: December 01, 2020
Date of Expiration: December 01, 2021

For and on Behalf of American Global Standards, LLC

USA Office: 1187 Coast Village Road, Suite 1-495, Montecito, CA 93108
Tel: 617-838-4648
www.americanglobal.org | info@americanglobal.org

AIAO-BAR ACCREDITED

Certification of Registration
AMERICAN GLOBAL STANDARDS

ISO 45001:2018

KHAN STEEL MILL
Industrial Area New Bagram Road,
Kabul – Afghanistan

American Global Standards, LLC issues this certificate to the firm named above, having assessed and approved the firm's occupational health & safety system and finding the system conforms to the standards of:

ISO 45001:2018

The occupational health & safety system is applicable to the following:

Rebar, I Beam, T Bar, Steel Angles

This approval is subject to the firm maintaining its system to the required standards, which will be monitored by AGS. In the issuance of this certificate, AGS assumes no liability to any party other than the firm named above, and then only in accordance with the agreed upon Occupational Health & Safety Management System Assessment Agreement

Certification Number: AGS-P-17002-O
Original Approval: November 02, 2017
Date of Issue: November 02, 2020
Date of Expiration: November 01, 2023

For and on Behalf of American Global Standards, LLC

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AIAO-BAR ACCREDITED

CERTIFICATE OF REGISTRATION
ISO 9001 CERTIFIED
AMERICAN GLOBAL STANDARDS

KHAN STEEL MILL
Industrial Area New Bagram Road,
Kabul – Afghanistan

American Global Standards, LLC issues this certificate to the firm named above, having assessed and approved the firm's quality management system and finding the system conforms to the standards of:

ISO 9001:2015

The quality management system is applicable to the following:

Rebar, I Beam, T Bar, Steel Angles

This approval is subject to the firm maintaining its system to the required standards, which will be monitored by AGS. In the issuance of this certificate, AGS assumes no liability to any party other than the firm named above, and then only in accordance with the agreed upon Quality Management System Assessment Agreement

Certification Number: AGS-AFG-17002-Q
Original Approval: November 02, 2017
Date of Issue: November 02, 2020
Date of Expiration: November 01, 2023

For and on Behalf of American Global Standards, LLC

1187 Coast Village Road, Suite 495, Montecito, CA 93108 USA
Tel: 617-838-4648

AIAO-BAR QMS ACCREDITED

CERTIFICATE OF REGISTRATION
ISO 14001 CERTIFIED-GREEN
AMERICAN GLOBAL STANDARDS

KHAN STEEL MILL
Industrial Area New Bagram Road,
Kabul – Afghanistan

American Global Standards, LLC issues this certificate to the firm named above, having assessed and approved the firm's environmental management system and finding the system conforms to the standards of:

ISO 14001:2015

The environmental management system is applicable to the following:

Rebar, I Beam, T Bar, Steel Angles

This approval is subject to the firm maintaining its system to the required standards, which will be monitored by AGS. In the issuance of this certificate, AGS assumes no liability to any party other than the firm named above, and then only in accordance with the agreed upon Environmental Management System Assessment Agreement

Certification Number: AGS-AFG-17002-E
Original Approval: November 02, 2017
Date of Issue: November 02, 2020
Date of Expiration: November 01, 2023

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AIAO-BAR EMS ACCREDITED

Our Notable Clients

مشتریان
بزرگ ما

سندهای تایید سازمان بین المللی ستندرد

Certification of Registration
AMERICAN GLOBAL STANDARDS

ISO 6935-2:2015
PRODUCT CERTIFICATION

This is to certify that
The Carbon Steel Bars for Reinforcement of concert
Manufactured by: KHAN STEEL MILL
Address: New Bagram Road, Kabul – Afghanistan

is found to comply with technical requirements according to

ISO 6935-2:2015

Scope: Steel for the reinforcement of concrete – Part 2: Ribbed bars

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Certification of Registration
AMERICAN GLOBAL STANDARDS

ISO 45001:2018

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Industrial Area New Bagram Road,
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The quality management system is applicable to the following:

Rebar, I Beam, T Bar, Steel Angles

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The environmental management system is applicable to the following:

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Certification Number: AGS-AFG-17002-E
Original Approval: November 02, 2017
Date of Issue: November 02, 2020
Date of Expiration: November 01, 2023

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AIAO-BAR EMS ACCREDITED

راپور ارزیابی مواد آهن در جریان ذوب

Chemical Composition

Constituent	DESIGNATION A615/A615M	KSM Product Max
C %	0.33%	0.30%
S%	0.053%	0.050%
P%	0.043%	0.040%
Si%	0.55%	0.40%
Mn%	1.56%	1.20%
CE%	0.55%	0.52%

SPECIAL NOTE: THIS ALL CONSTITUENT ARE IN MAXIMUM LIMIT IN ABOVE TABLE WITH COMPARISION BETWEEN DESIGNATION A615/A615M & OUR KHAN STEEL REBARS.

Mechanical Properties

PROPERTIES	DESIGNATION A615/A615M	KSM Product
Yield Strength (MPA)	420 Min.	450 Min.
Tensile Strength (MPA)	620 Min.	640 Min.
Elongation %	9% (8mm to 18mm)Min	15% (8mm to 18mm)Min.
	8% (20mm to 25mm)Min	15% (20mm to 25mm)Min.
	7% (28mm to 32mm)Min	15% (28mm to 32mm)Min.

Bendability:	Size	DESIGNATION A615/A615M (Mandrel diameter for 180 Degree Bend)	KSM Product (Mandrel diameter for 180 Degree Bend)
Bend	8mm to 16mm	3.5 D	3 D
Bend	18mm to 25mm	5 D	4 D
Bend	25mm to 32mm	7 D	6 D

راپور تست سیخ گول در لابراتوار های ملی و بین المللی که در پروژه های بزرگ و ستندرد استفاده گردیده است

تولیدات سیخ گول ما:

- 8 ميلي متر
- 10 ميلي متر
- 12 ميلي متر
- 14 ميلي متر
- 16 ميلي متر
- 18 ميلي متر
- 20 ميلي متر
- 22 ميلي متر
- 25 ميلي متر
- 28 ميلي متر
- 32 ميلي متر
- 36 ميلي متر

8mm


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Steel Testing Report

10mm


GSMTL
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Steel Testing Report

12mm


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14mm


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16mm


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Steel Testing Report

18mm


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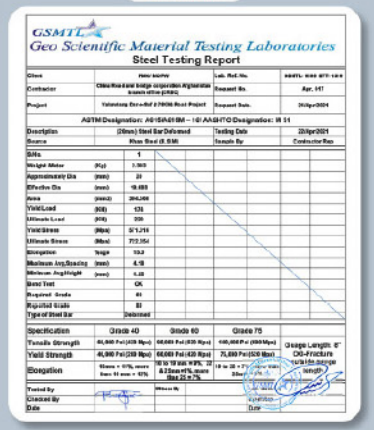
20mm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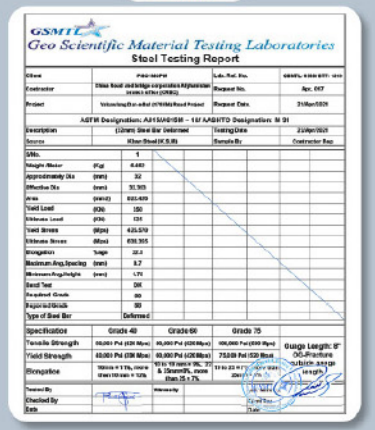
Steel Testing Report

32mm


GSMTL
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Steel Testing Report

ما اراده قوی برای پیشرفت و باورمندی بالای افغانستان پیشرفته داریم!

۲۰۱۵
فابریکه خان ستیل تهداب گذاری شد.

۲۰۱۶
بیش از 50 در صد کارهای ساختمانی فابریکه تکمیل گردید.

۲۰۱۷
فابریکه عملا تولیدات را آغاز نمود.

۲۰۱۸
کار بخش دوم فابریکه یا فاز دوم فابریکه آغاز گردید.

۲۰۱۹
فاز دوم عملا تولیدات را آغاز و ظرفیت فابریکه را دو برابر ساخت.

۲۰۲۰
بخش تولید گادر تهداب گذاری شد.

۲۰۲۲
بخش گادر اغاز به تولید کرد.

اهداف ما:

- رضایت مشتریان
- پیشرفت و خلاقیت
- فرصت های کاری
- افغانستان صادراتی و خودکفا

اولویت ها ما:

- تولیدات معیاری و ستندرد
- سیستم پیشرفته ایمینی کارکنان
- کارمندان فنی و کدرهای مسلکی
- محیط زیست پاک

سیستم ایمنی کارکنان

محافظت از کارکنان یکی از اولویت های اساسی بوده که در فابریکه خان ستیل به گونه ستندرد تطبیق میگردد.

حفاظت محیط زیست

دو فلتر بزرگ نصب شده در خان ستیل ظرفیت ذیل را از
جمع آوری کاربن دای
اکساید تولید شده در جریان تولید را دارد.
۲۰۰،۰۰۰ متر مکعب در ۲۴ ساعت.
ظرفیت جمع آوری کاربن: ۲۰۰۰ کیلوگرام در ۲۴ ساعت.
مصرف برق: ۱۰۰۰ کیلو وات یا ۱ میگا وات در في ساعت.

سیستم جلوگیری از آلودگی محیط زیست:

خان ستیل یگانه فابریکه تولید آهن در کشور بوده، که سیستم پشرفته کاربن کپچر استفاده می نماید.
دو فلتر بزرگ در فابریکه نصب گریده است، که هر کدام در ۲۴ ساعت ظرفیت جمع واری ۲۰۰۰ کیلوگرام کاربن را دارد.
این تکنالوژی و غبارگیر برای اولین بار در افغانستان استفاده شده است، و ما تلاش داریم تا از کاربن جمع آوری شده، استفاده دوباره نیز صورت گیرد.

لابراتوارها:

آهن در جریان ذوب توسط ماشین سپکترومکس در لابراتوار کیماوی ارزیابی میگردد، و تمامی عناصر کیمیاوی آهن مشخص میشود.
اگر بعد از ارزیابی کدام عنصر کیمیاوی در آهن کم باشد در آن اضافه میگردد و اگر زیاد باشد توسط بخار از آن خارج میگردد.
اگر عناصر کیمیاوی در آهن زیاد و یا کم باشد، این کار تاثیر مستقیم بالای کیفیت میگذارد، به همین دلیل تست نمودن آهن در جریان ذوب یک امر ضروری میباشد.

لابراتوار فزیکي:

زمانیکه سیخ گول و گادر در فابریکه تولید گردد، به چندین نوع در لابراتورها تست میگردد، که گرید و مقاومت، کشش و بیند سیخ گول و همچنان مقاومت، سایز و وزن گادر در آن مشخص میگردد.
تولید خان ستیل تا زمانی از فابریکه خارج شده نمی تواند که تاییدی لابراتوار فزیکی را به دست نه آورده باشد.

در باره ما:

خان ستیل بزرگترین و معیاری ترین فابریکه ذوب آهن در افغانستان بوده که در سال ۲۰۱۵ بینانگذاری گردیده و در ۲۰۱۷ آمده به تولید شد. فابریکه در جنوری ۲۰۱۸ رسما افتتاح گردیده و در همین سال فاز دوم خان ستیل نیز بیناگذاری گردید، که در ۲۰۱۹ آمده به تولید شد، که فعلا ظرفیت مجموعی تولیدی خان ستیل ۵۰۰ تن آهن آلات در دو شفت کاری میباشد.

خان ستیل بزرگترین و معیاری ترین فابریکه ذوب و تولید آهن در کشور بوده، که سیخ گول مطابق با ستندرد های جهانی را در داخل کشور تولید می نماید.

کارمندان فنی و انجنیران مجرب و با دانش ما، شایسته ترین افراد از نظر کار مسلکی و معیاری میباشند.

ماشینری و تکنالوژی نصب شده در خان ستیل عیار به سیستم کمپیوتری بوده، که در حال حاضر اکثریت بخش ها فابریکه توسط کارمندان افغانی مدیریت میگردد.

خان ستیل آدرس واحد افغانی بوده، که تولیدات آن با سیخ گول کشورهای منطقه و جهان رقابت کرده میتواند.

تولیدات سیخ گول از ۸ الی ۳۶ میلی متر فابریکه خان ستیل در مهمترین و بزرگترین پروژه های کشور به استفاده گرفته میشود، که بند ها بزرگ آب، پروژه های انکشافی، پل های بزرگ و تعمیرها معیاری مثال های خوب از آن میباشد.

همچنان گادر و تولیدات دیگر خان ستیل در همه نقاط کشور مورد استفاده قرار میگرد،

تولیدات سیخ گول و گادر خان ستیل را ده ها لابراتوار ملی و بین المللی تایید کرده است.

مصونیت کارمندان در فابریکه از اولویت های کار ما بوده، و همچنان حفاظت محیط زیست برای ما فکتور قابل توجه در فعالیت ما میباشد، به همین دلیل در فابریکه سیستم تصفیه آلودگی، یا غبارگیر ستندرد نصب شده است، که اداری محیط زیست افغانستان و نهاد های بین المللی از آن تایید و ستایش کرده است.

ویژگی ها تولیدات ما:

- تولیدات سیخ گول ما مطابق ستندرد ASTM A۶۱۵ میباشد.
- ما سندهای تاییدی از سازمان جهانی ستندرد در بخش های، کیفیت، حفاظت محیط زیست، مدیریت، صحت و ایمنی کارکنان را دارا میباشیم.
- تولیدات سیخ گول ما با گرید ۶۰ و در صورت تقاضا بالاتر از آن میباشد.
- تمامی بندل ها به وزن معیاری و ثابت میباشد، که در سایز ۱۱,۷ سانتی متر تنظیم میگردد.

تولیدات گادر، انگلارن، ایچ بیم، ای بیم، تی آیرن و غیره هم مطابق ستندرد قبول شده بین المللی تولید میگردد.

تولیدات گادر برای اولین بار در افغانستان که قابل تست در لابراتوارهای ملی و بین المللی باشد در خان ستیل تولید میگردد.

وزن، سایز مقاومت و مسائل دیگر تخنیکی آن همه در نظر گرفته شده است.

- تولیدات ما از ده ها لابراتوار دولتی و غیر دولتی نیز تایید شده است.
- ما در فابریکه خود از پیشرفته ترین سیستم حفاظت محیط زیست استفاده می نمایم، که اداره ملی محیط زیست افغانستان نیز آنرا تایید نموده است.
- مارک تمام تولیدات خان ستیل KSM میباشد.

زمونږ لوی
پیرودونکي

په بېلابېلو برخو کې خان سټیل ته د سټنډرډ نړیوال سازمان له لوري د تاییدی ورکړل شوي سندونه


Certification of Registration
AMERICAN GLOBAL STANDARDS

ISO 6935-2:2015
PRODUCT CERTIFICATION

This is to certify that
The Carbon Steel Bars for Reinforcement of concert
Manufactured by: KHAN STEEL MILL
Address: New Bagram Road, Kabul – Afghanistan

is found to comply with technical requirements according to

ISO 6935-2:2015

Scope: Steel for the reinforcement of concrete – Part 2: Ribbed bars

This certificate is compliance based on manufacturer technical file of the above mentioned product and accredited laboratory test result records dated on April 05, 2017 report number 204321 and August 14, 2017 report number 250568

Certification Number: AGS-AFG-17002-CoC
Date of Issue: December 01, 2020
Date of Expiration: December 01, 2021

For and on Behalf of American Global Standards, LLC

USA Office: 1187 Coast Village Road, Suite # 495, Montecito, CA 93108
Tel: 617-838-4648
www.americanglobal.org info@americanglobal.org

AIAO-BAR ACCREDITED


Certification of Registration
AMERICAN GLOBAL STANDARDS

ISO 45001:2018

KHAN STEEL MILL
Industrial Area New Bagram Road,
Kabul – Afghanistan

American Global Standards, LLC issues this certificate to the firm named above, having assessed and approved the firm's occupational health & safety system and finding the system conforms to the standards of:

ISO 45001:2018

The occupational health & safety system is applicable to the following:

Rebar, I Beam, T Bar, Steel Angles

This approval is subject to the firm maintaining its system to the required standards, which will be monitored by AGS. In the issuance of this certificate, AGS assumes no liability to any party other than the firm named above, and then only in accordance with the agreed upon Occupational Health & Safety Management System Assessment Agreement

Certification Number: AGS-P-17002-O
Original Approval: November 02, 2017
Date of Issue: November 02, 2020
Date of Expiration: November 01, 2023

For and on Behalf of American Global Standards, LLC

USA Office: 1187 Coast Village Road, Suite 495, Montecito, CA 93108 USA
Tel: 617-838-4648
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AIAO-BAR ACCREDITED


CERTIFICATE OF REGISTRATION
ISO 9001 CERTIFIED
AMERICAN GLOBAL STANDARDS

KHAN STEEL MILL
Industrial Area New Bagram Road,
Kabul – Afghanistan

American Global Standards, LLC issues this certificate to the firm named above, having assessed and approved the firm's quality management system and finding the system conforms to the standards of:

ISO 9001:2015

The quality management system is applicable to the following:

Rebar, I Beam, T Bar, Steel Angles

This approval is subject to the firm maintaining its system to the required standards, which will be monitored by AGS. In the issuance of this certificate, AGS assumes no liability to any party other than the firm named above, and then only in accordance with the agreed upon Quality Management System Assessment Agreement

Certification Number: AGS-AFG-17002-Q
Original Approval: November 02, 2017
Date of Issue: November 02, 2020
Date of Expiration: November 01, 2023

For and on Behalf of American Global Standards, LLC

AIAO-BAR QMS ACCREDITED


CERTIFICATE OF REGISTRATION
ISO 14001 CERTIFIED-GREEN
AMERICAN GLOBAL STANDARDS

KHAN STEEL MILL
Industrial Area New Bagram Road,
Kabul – Afghanistan

American Global Standards, LLC issues this certificate to the firm named above, having assessed and approved the firm's environmental management system and finding the system conforms to the standards of:

ISO 14001:2015

The environmental management system is applicable to the following:

Rebar, I Beam, T Bar, Steel Angles

This approval is subject to the firm maintaining its system to the required standards, which will be monitored by AGS. In the issuance of this certificate, AGS assumes no liability to any party other than the firm named above, and then only in accordance with the agreed upon Environmental Management System Assessment Agreement

Certification Number: AGS-AFG-17002-E
Original Approval: November 02, 2017
Date of Issue: November 02, 2020
Date of Expiration: November 01, 2023

For and on Behalf of American Global Standards, LLC

AIAO-BAR EMS ACCREDITED

د ویلې کیدو پر مهال په کیمیاوي لابراتوار کې د اوسپنې د ارزونې راپور

Chemical Composition

Constituent	DESIGNATION A615/A615M	KSM Product Max
C %	0.33%	0.30%
S%	0.053%	0.050%
P%	0.043%	0.040%
Si%	0.55%	0.40%
Mn%	1.56%	1.20%
CE%	0.55%	0.52%

SPECIAL NOTE: THIS ALL CONSTITUENT ARE IN MAXIMUM LIMIT IN ABOVE TABLE WITH COMPARISION BETWEEN DESIGNATION A615/A615M & OUR KHAN STEEL REBARS.

Mechanical Properties

PROPERTIES	DESIGNATION A615/A615M	KSM Product
Yield Strength (MPA)	420 Min.	450 Min.
Tensile Strength (MPA)	620 Min.	640 Min.
Elongation %	9% (8mm to 18mm)Min	15% (8mm to 18mm)Min.
	8% (20mm to 25mm)Min	15% (20mm to 25mm)Min.
	7% (28mm to 32mm)Min	15% (28mm to 32mm)Min.

Bendability:	Size	DESIGNATION A615/A615M (Mandrel diameter for 180 Degree Bend)	KSM Product (Mandrel diameter for 180 Degree Bend)
Bend	8mm to 16mm	3.5 D	3 D
Bend	18mm to 25mm	5 D	4 D
Bend	25mm to 32mm	7 D	6 D

په ملي او نړيوالو لابراتوارونو کې زمونږ د ګول سيخ د ټسټونو پايلې چې په سترو او معياري پروژو کې کارول شوي

زمونږ د ګول سيخ توليدات :

- 8 ميلي متره
- 10 ميلي متره
- 12 ميلي متره
- 14 ميلي متره
- 16 ميلي متره
- 18 ميلي متره
- 20 ميلي متره
- 22 ميلي متره
- 25 ميلي متره
- 28 ميلي متره
- 32 ميلي متره
- 36 ميلي متره

8mm


GSMTL
Geo Scientific Material Testing Laboratories
Steel Testing Report

10mm


GSMTL
Geo Scientific Material Testing Laboratories
Steel Testing Report

12mm


GSMTL
Geo Scientific Material Testing Laboratories
Steel Testing Report

14mm


GSMTL
Geo Scientific Material Testing Laboratories
Steel Testing Report

16mm


GSMTL
Geo Scientific Material Testing Laboratories
Steel Testing Report

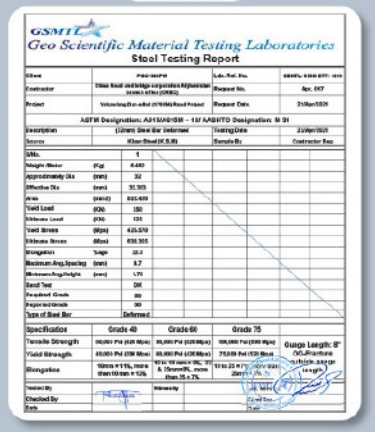
18mm


GSMTL
Geo Scientific Material Testing Laboratories
Steel Testing Report

20mm


GSMTL
Geo Scientific Material Testing Laboratories
Steel Testing Report

32mm


GSMTL
Geo Scientific Material Testing Laboratories
Steel Testing Report

موږ د پرمختګ
کلک هوډ او پر روښانه افغانستان باور لرو:

۲۰۱۵
د فابریکې د بنسټ ډبره کیښودل شوه.

۲۰۱۶
د فابریکې نیمایي چارې تکمیل شوې.

۲۰۱۷
فابریکې عملا تولیدات پیل کړل.

۲۰۱۸
د فابریکې د دویم فاز یا برخې کار پیل شو.

۲۰۱۹
دویمې برخې عملا تولید پیل کړ.

۲۰۲۰
د ګاډرو د تولید لپاره د دریم فاز بنسټ ډبره کیښودل شوه.

۲۰۲۲
د ګاډرو برخې عملا تولیدات پیل کړل.

زموږ موخې:

- د پیریدونکو رضایت
- نوښت او پرمختګ
- کاري فرصتونه
- صادراتي او پر ځان بسیا افغانستان

زموږ لومړیتوبونه:

- معیاري او په نړیوال سټنډرډ برابر تولیدات
- د کارکوونکو خوندیتوب
- مسلکي کادرونه روزل

پاک چاپیریال

◄ پاک چاپیریال:

دوه لوی لګول شوې فلټر د کاربن ډای اکسایډ او لوګ ي
ټولولو مسوولیت لري:

په خان ستیل کې د نصب شویو فلټرو وړتیا او لګښت:

۲۰۰،۰۰۰ مکعب متره / ۲۴ ساعته.

د کاربن پاؤډ راټولول: ۲۰۰۰ کیلوګرام / ۲۴ ساعته.

د بریښنا مصرف: ۱۰۰۰ کیلو واټ / ۱ میګا واټه / في ساعت.

پاک چاپیریال:

د کاربن ټولونې تر ټولو عصري سیستم چې په افغانستان کې بل هیڅ نه دی کارولی، په خان سټیل کې موجود دی.
ددې سیستم په مرسته د اوسپنې ویلې کیدو پر مهال تولید شوی لوګی سل فیصده تصفیه کیږي او بیرته د کاربن په ډول ذخیره کیږي. د هوا ککړتیا مخینوی د اوسپنې په صنعت کې ترټولو لویه اندیښنه وي؛ خو موږ په خان سټیل کې دا ستونزه حل کړې او د اتوم سفیر ځانګړي شرایط په فابریکه کې د علمي کیدو وړ دي. دوه لوی لګول شوې فلټر د کاربن ډای اکسایډ او لوګي ټولولو مسوولیت لري:
په خان سټیل کې د نصب شویو فلټرو ورټیا او لګښت:
۲۰۰،۰۰۰ مکعب متره / ۲۴ ساعته. د کاربن پاؤډ راټولول: ۲۰۰۰ کیلوګرام / ۲۴ ساعته.
د بریښنا مصرف: ۱۰۰۰ کیلو واټ / ۱ میګا واټه / في ساعت. تمه لرو، چې فلټر شوی کاربن په کور د ننه د کیمیاوي سرې او نورو هغه مواردو کې وکاریږي، چې نوره نړۍ ورڅخه کار اخلي.

روغتیا، د کارکوونکو خوندیتوب او چاپیریال:

د کارکوونکو خوندیتوب

کارکوونکی زموږ اساسي پانګه او د فابریکې د رشد اصلي عنصر دی، نو خوندیتوب یې هم زموږ لپاره تر هر څه لومړیتوب لري.
زموږ مسلکي ټیم لیډران د کار په جریان کې ټول محافظتي تدابیر عملي کوي، تر څو د کارکوونکو له خوندیتوب سره لا زیاته مرسته وکړي.
زموږ په ډیجټلي او کمپیوټري ماشینري کې که څه هم بشري قوې ته متوجه گوابښ تقریبا صفر ته ټیټ شوی؛ خو له نړیوالو اصولو سره سم د محافظ د ټول بدني وسائل کارول د کارکوونکو لپاره اجباري دي.

روغتیا

موږ په افغانستان کې د صنعت داسې بیلگه یو، چې د پرمختللې نړۍ ډیر سهلتونه مو خپلې فابریکې ته په نسبي ډول کاپي کړي.
نه یوازې دا چې په فابریکې کې کلنیک، لابراتوار، ډاکټران او امبولانس موجود دي، بلکې د عامې روغتیا وزارت سیار ټیمونه د ساري ناروغیو ټستونه هم وخت ناوخت ترسره کوي.
دا د هغه چک اپ برخه ده، چې د خان سټیل کارکوونکو ته یې ترسره کول حتمي دي.

زمور تګلاره:

په لوړ کیفیت او مناسب قیمت پېرودونکو ته داسې تولیدات وړاندې کول، چې په ټولو نړیوالو معیارونو برابر وي.

مور باور لرو چې زمور هڅاند، با تجربه او وړتیا لرونکي کارکوونکي زمور د موخو د تر لاسه کیدو په برخه کې تر ټولو موثر کسان دي، ځکه نو مور د هغوی د لا روزنې او مسلکي کیدو لپاره راتلونکې پانګونې ته هم ژمن یو. مور خان ستیل شخصي ملکیت نه؛ بلکې داسې ملي پانګه بولو، چې د هر افغان هیلې ورسره تړلې او د هیواد په پرمختګ او ځان بسیاینې کې رول لري.

لید

غواړو په دوامداره توګه خپل تولیدات لا پراخ او د هیواد هرې برخې ته په اسانه ډول ورسوو. مور باید د افغانستان د اوسپنې د سکتور د سر لاري په توګه خپل ماموریت داسې ادا کړو، چې څومره ژر وکولی شو د ګول سیخ او ګاډر کورنۍ اړتیا پوره او د صادراتو کچې ته ورسیږو.

د افغانستان په سرشاره طبیعي زیرمو کې د اوسپنې د کانونو استخراج او پر هغو پانګونه زمور د خامو موادو د راتلونکې اړتیا پوره کولو یوازینۍ مرجع ده، ځکه نو د اوسپنې صنعت یوازې سوداګري نه؛ بلکې مور ته د صنعتي افغانستان یو لوړ تصویر دی.

لابراتوارونه:

د سپکټرو مکس ماشین په وسیله، د ویلې کېدو په جریان د اوسپنې ټول کیمیاوي عناصر د همدې ماشین په واسطه په لابراتور کې ارزول کیږي.
که تر ارزونې وروسته کوم عنصر په اوسپنه کې کم وي ور اضافه کیږي او که زیان وي، د بخار په وسیله تري ایستل کیږي.
که په ویلې شوې اوسپنه کې کوم کیمیاوي عنصر کم یا زیات وي دا کار د سیخ، ګاډرو یا نورو تولیداتو پر کیفیت اغیز لري، نو ځکه اوسپنه باید د ویلې کیدو په حال کې ټسټ شي.

فزیکي لابراتوار:

سیخ، ګاډر او نور تولیدات په فابریکه کې تر تولید وروسته ټسټ کیږي، سیخ په فزیکي لابراتور په څو ډولونو ټسټ کیږي، چې د سیخ ګریډ او مقاومت، کشش، بینډ او ورته نور مسائل په کې روښانه کیږي.
ګاډر او نور تولیدات هم د وزن، سایز، مقاومت او موادو له اړخه ارزول کیږي.
د خان سټیل هیڅ تولید تر هغه بازار ته نه شي وتلی؛ تر څو چې د فزیکي لابراتوار ټسټ پاس نه کړي او د لابراتوار مسوولین ورته له فابریکې د وتلو اجازه ورکړي.

زمونږ په اړه:

خان سټیل په افغانستان کې د اوسپنې ویلي کولو او ګول سیخ د تولید تر ټولو ستره او معیاري فابریکه ده، چې په ۲۰۱۵ کال یې د جوړیدو چارې پیل او د ۲۰۱۷ په لومړیو کې بشپړې شوې.

خان سټیل د ۲۰۱۸ په جنوري کې رسما پرانیستل شوه او په همدې کال کې د خان سټیل د دویم فاز د بنسټ ډبره کیښودل شوه، چې په ۲۰۱۹ کې دویمې برخې هم تولید پیل کړ، چې اوس یې په دوه کاري شفټونو کې د تولید ظرفیت ۵۰۰ ټنو ته رسیږي.

زمونږ تخنیکي کارکوونکي او مسلکي انجینران د زده کړو او معیاري کار له پلوه تر ټولو د لوړو وړتیاوو لرونکي کسان دي.

د فابریکې حساسه او کمپیوټري ماشینري چې په لومړي ځل په افغانستان کې کارول شوې، اوس د افغاني مسلکي کډرونو په مرسته مدیریت کیږي، چې پخوا دا ډول کډرونه په هیواد کې نه و.

خان سټیل د معیار او ستنډر له پلوه د سیمې او نړۍ له ټولو ستنډرډ فابریکو سره د رقابت یوازینی ستر افغاني او د باور وړ ادرس دی.

د خان سټیل د ګول سیخ له ۸ میلي متره تر ۳۶ میلي متره تولیدات د هیواد په تر ټولو لویو او معیاري پروژو کې کاریږي، چې د اوبو لوی بندونه، سترې ودانۍ، پراختیایي پروژې او لوی پلونه یې نښې بیلګې دي. د خان سټیل تولیدات لسګونه کورنیو او بهرنیو لابراتوارونو او نهادونو تایید کړي، چې دا په هیواد کې لومړنۍ فابریکه ده، چې په نړیوال ستنډرډ برابر د ګول سیخ تولیدات لري.

د کارکوونکو خوندیتوب په فابریکه کې لومړیتوب دی او تر څنګ یې د چاپیریال ساتنې لپاره د کاربن ټولونې یا لوګي د تصفیې تر ټولو لوی او عصري سیستم لګول شوی، چې د افغانستان د چاپیریال ساتنې ملي ادارې په ګډون نړیوالو ادرسونو هم تایید کړی او ستایلی دی.

نور تولیدات:

- I-Beam-H-Beam
- T-Iron
- Channels
- C-Channel
- Steel Angle Bars
- Straps
- Shaft

د تولیداتو ځانګړنې:

- زمونږ د ګول سیخ ټول تولیدات په ASTM A615 ستنډرد برابر او معیاري دي.
- د ستنډر نړیوال بنسټ (iso) د کیفیت، چاپیریال ساتنې او مدیریت برخې تاییدي لري.
- زمونږ د سیخ تولیدات په ۶۰ او له هغه پورته ګرید برابر دي.
- ګول سیخ په ستنډرد سایز چې ۱۱،۷ دی په بنډلونو کې تنظیمږي.
- معیاري وزن او د هر میلي متر قطر هم په لابراتوارونو کې ازمویل کیږي.
- زمونږ د ګاډرو انګلارانو، ټی آیرن، ایچ بیم، ای بیم او نور تولیدات هم له نړیوال ستنډرډ سره سم تولیدیږي.
- دغه تولیدات په لومړي ځل په افغانستان کې خان سټیل په ستنډرد شکل وړاندې کوي، چې په لابراتورانو کې د ټسټ او ارزونې مثبته پایله لري.
- د وزن او سایز ټول تخنیکي موارد په دې برخه کې په پام کې نیول شوي.
- زمونږ د ټولو تولیداتو مارکه KSM ده.

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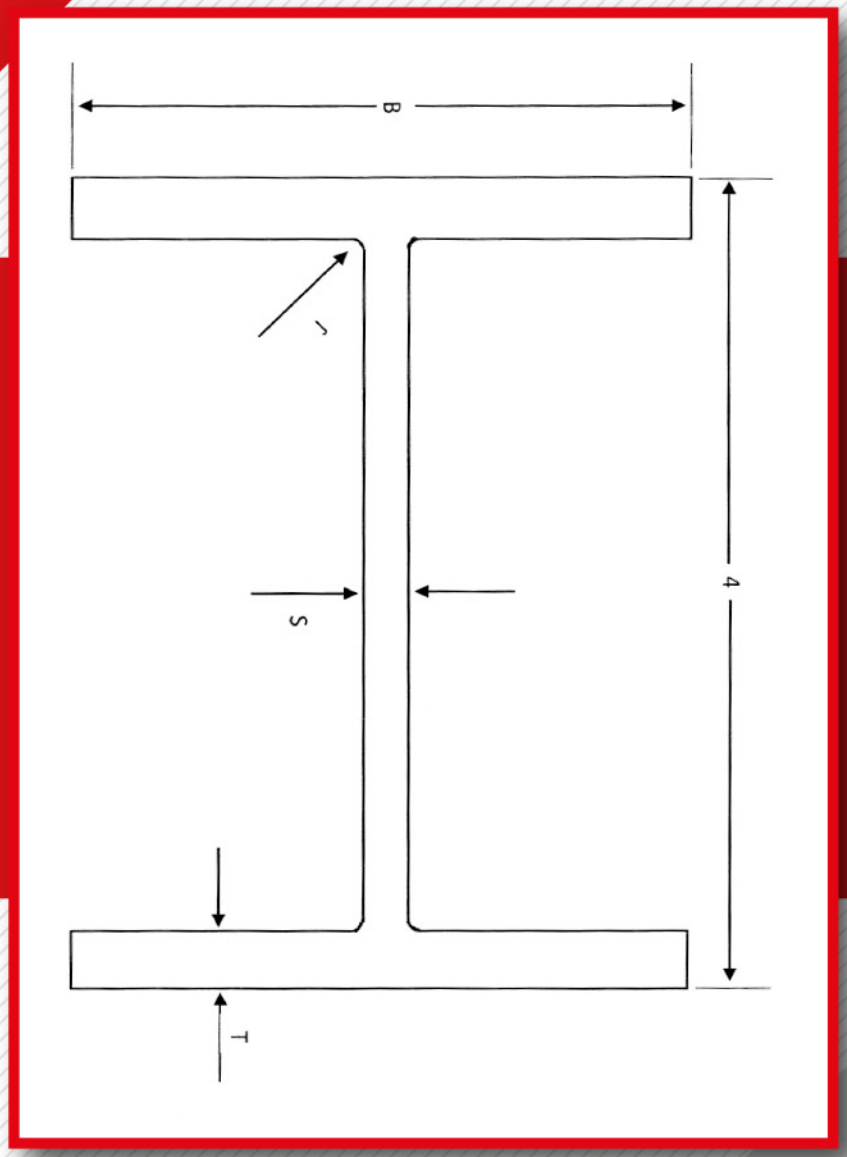


I-Beam

Memorial Name (mm)	Dimensions (h x b) (mm)	Body thixkness (s-mm)	Cheek thickness (t-mm)	Weight (Kg/m)
120 TPE	120 x 64	4,0	5,5	9,7
140 TPE	140 x 72	4,2	6	11,4
160 TPE	160 x 80	4,5	7	14,4
180 TPE	180 x 90	5,0	7,6	17,7
200 TPE	200 x 98	5,2	8	21,0
240 TPE	240 x 117	5,6	9	27,2
260 TPE	260 x 124	6,1	9,8	30,9
300 TPE	300 x 128	7,5	10,5	36,2

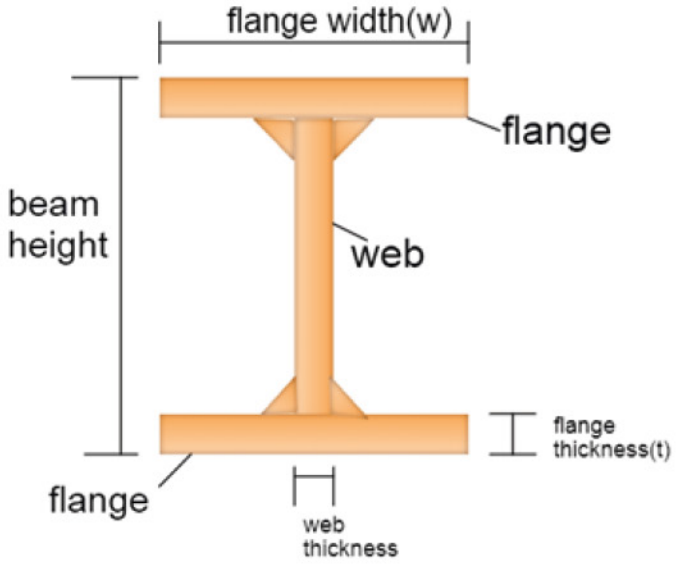
I-Beam

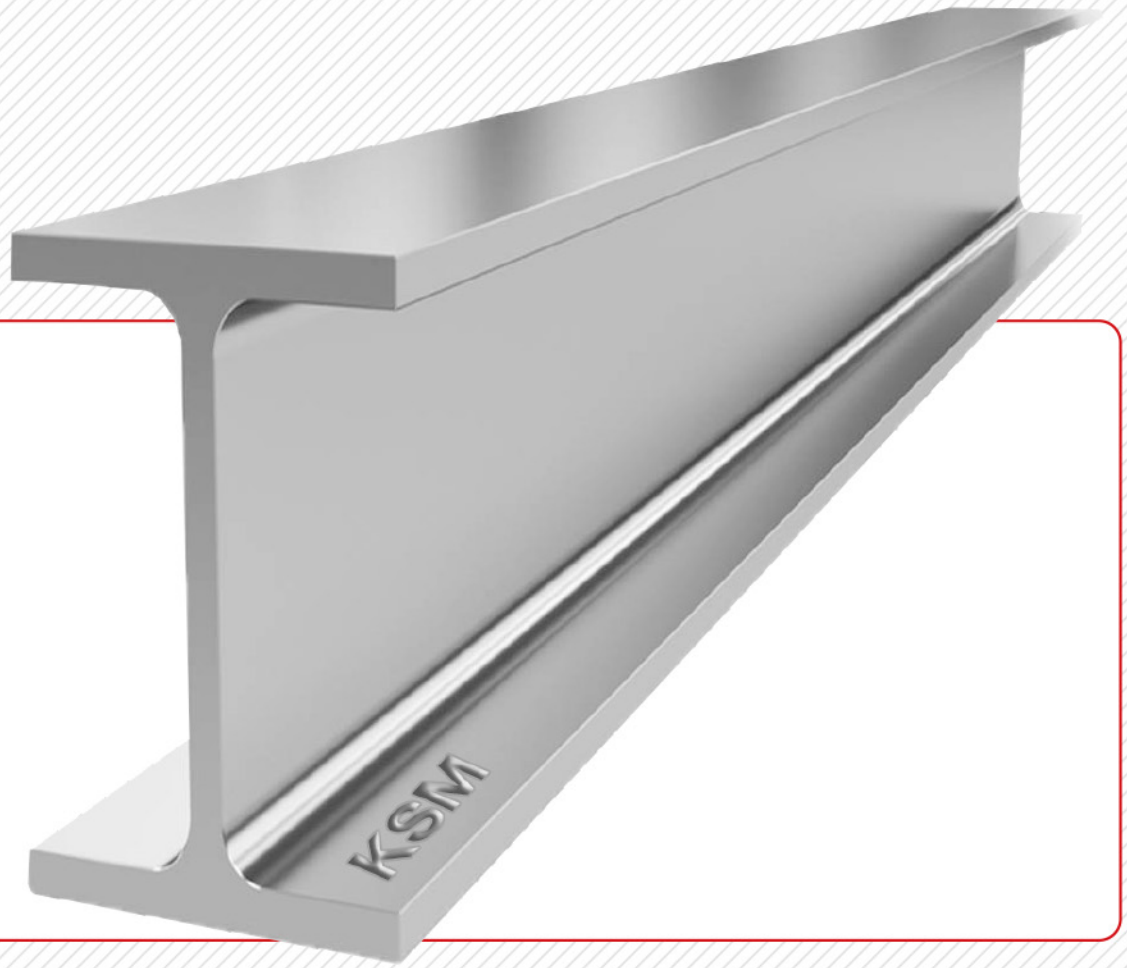
IEU Standard Universal Standard ستندرد بين المللى

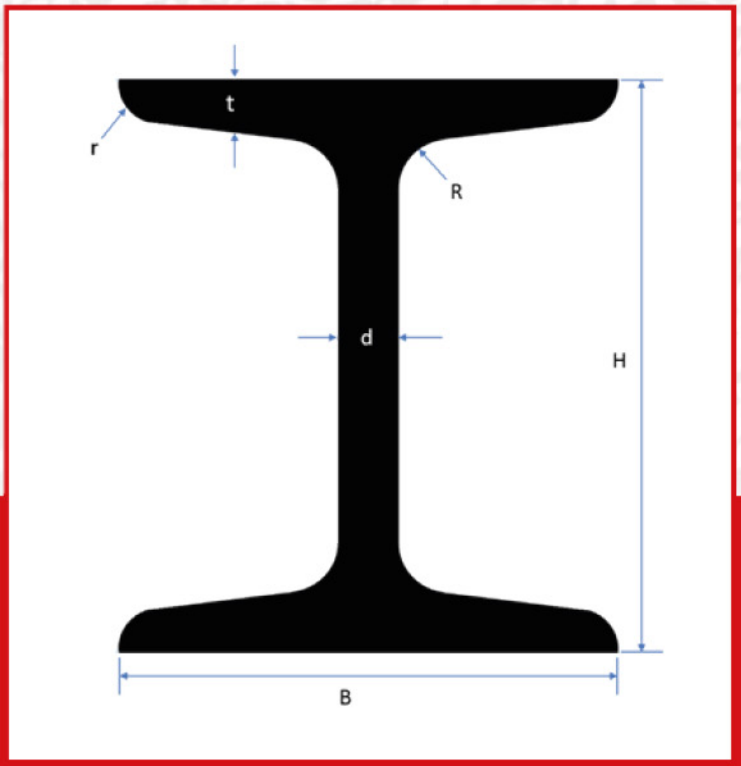
Memorial Name (mm)	Dimensions (h x b) (mm)	Body thixkness (s-mm)	Cheek thickness (t-mm)	Weight (Kg/m)
120 TPE	120 x 64	4	6,3	10,4
140 TPE	140 x 73	4,7	6,9	12,9
160 TPE	160 x 82	5,0	7,4	15,8
180 TPE	180 x 91	5,3	8,0	18,8
200 TPE	200 x 100	5,6	8,5	22,4
240 TPE	240 x 120	6,2	9,8	30,7
260 TPE	260 x 125	6,7	10,2	34,6
300 TPE	300 x 130	8,0	11,0	42,2

▶ I-Beam/H-Beam

No	Memorial Name (mm)	Dimensions H x b (mm)	Body thickness (s-mm)	Check thickness (t-mm)	Weight (kg/mt)
1	120 IPE	120 x			
2	140 IPE	140 x			
3	160 IPE	160 x			
4	180 IPE	180 x			
5	200 IPE	200 x			
6	240 IPE	240 x			
7	260 IPE	260 x			
8	300 IPE	300 x			

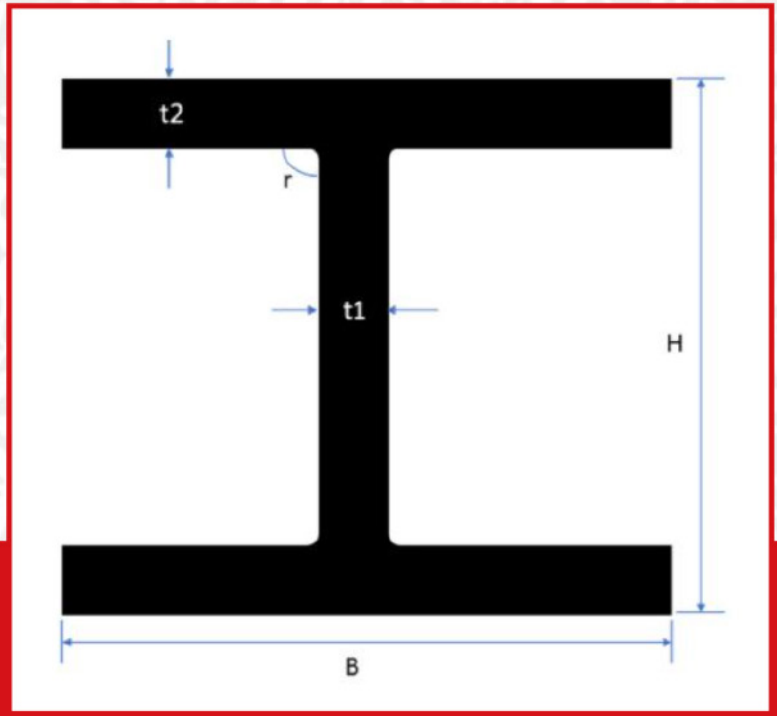






I-Beam

No.	Description	Size (LENGTH)	Produce by
1	IPE 100 X 50 mm	12 Meters Length	KSM
2	IPE 120 X 60 mm	12 Meters Length	KSM
3	IPE 140 X 70 mm	12 Meters Length	KSM
4	IPE 160 X 82 mm	12 Meters Length	KSM
5	IPE 180 X 90 mm	12 Meters Length	KSM
6	IPE 200 X 100 mm	12 Meters Length	KSM



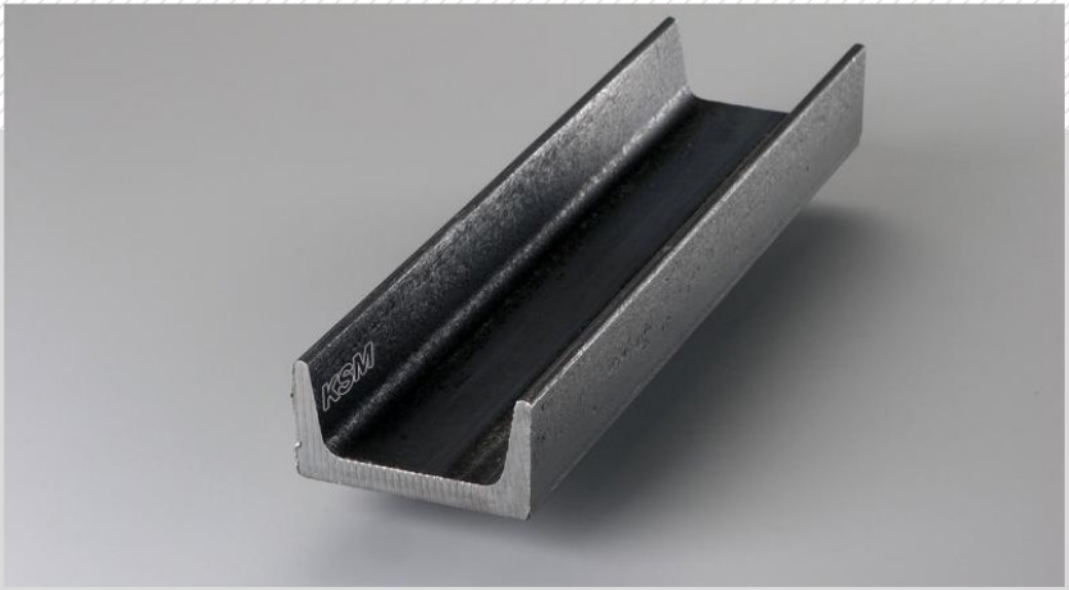
H Beam Sizes & Weight Chart

Cross Section (mm)

Type	Model	Height H	Width B	Web thickness t1	Flange thickness t2	Radius R	Theoretical Weight (kg/m)
HW Wide Flange	100x100	100	100	6	8	8	16.9
	125x125	125	125	6.5	9	8	23.6
	150x150	150	150	7	10	8	31.1
	175x175	175	175	7.5	11	12	40.4
	200x200	200	200	8	12	13	49.9
		200	204	12	12	13	56.2

Tapered flange Channels for General Applications GOST 8240-27

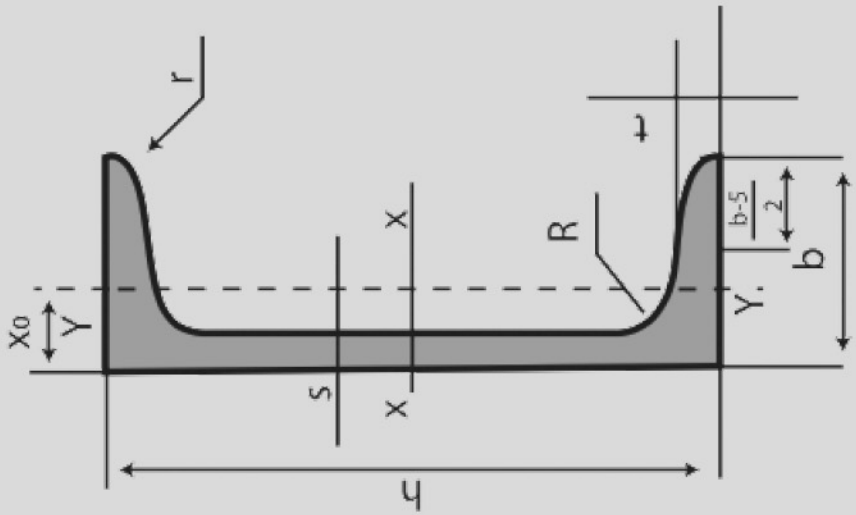
Number the Chnel	Sizes, mm						Cross-sectional area, cm2	Weight 1m, kg
	H	B	S	T	R	R		
16U	160	64	5,0	8,4	8,5	3,5	18,10	14,20
16aU	160	68	5,0	9,0	8,5	3,5	19,50	15,30
18U	180	70	5,1	8,7	9,0	3,5	20,70	16,30
18aU	180	74	5,1	9,3	9,0	3,5	22,20	17,40
20U	200	76	5,2	9,0	9,5	4,0	23,40	18,40
24U	240	90	5,6	10,0	10,5	4,0	30,60	24,00
27U	270	95	6,0	10,5	11,0	4,5	35,20	27,70



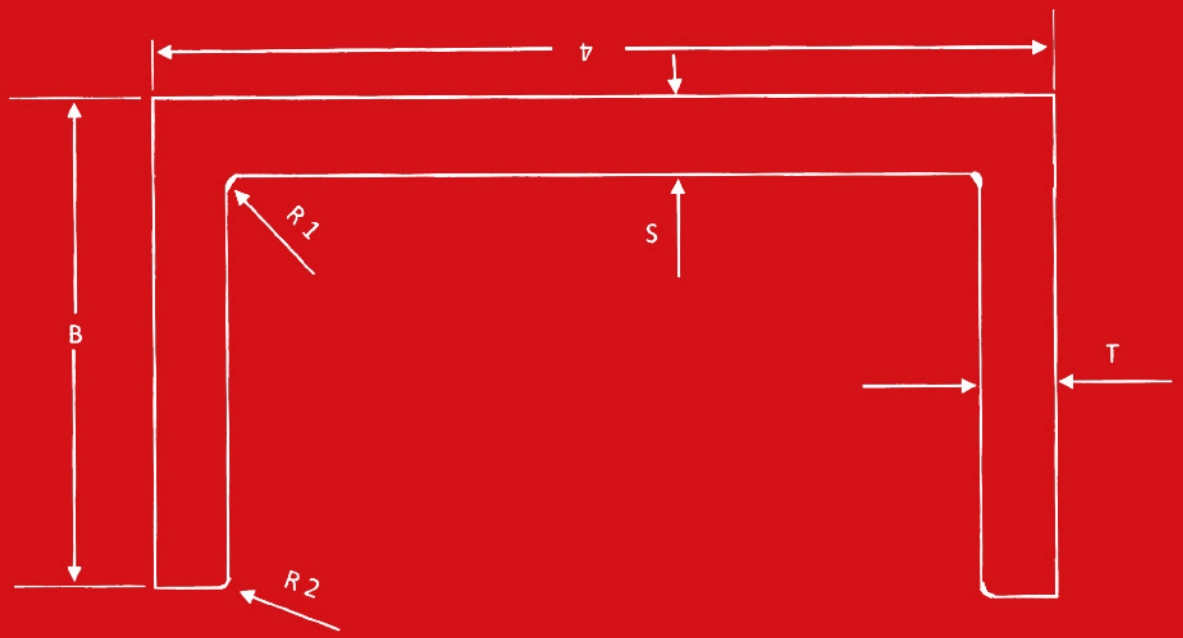
Channels

Steel Channel Bars with a slope of the internal edges of shelves for general ues. GOST 8240-97 Profile assortment

Number the Chnel	Dimensions, mm						Area Cross-sectional Section F,cm2	Weight 1m, kg
	H	B	S	T	R	R		
16y	160	64	5,0	8,4	8,5	3,5	18,10	14,20
16ay	160	48	5,0	9,0	8,5	3,5	19,50	15,30
18y	180	70	5,1	8,7	9,0	3,5	20,70	16,30
18ay	180	74	5,1	9,3	9,0	3,5	22,20	17,40
20y	200	76	5,2	9,0	9,5	4,0	23,40	18,40
24y	240	90	5,6	10,0	10,5	4,0	30,60	24,00
27y	270	95	6,0	10,5	11,0	4,5	35,20	27,70
30y	300	100	6,5	11,0	12,0	5,0	40,50	31,80



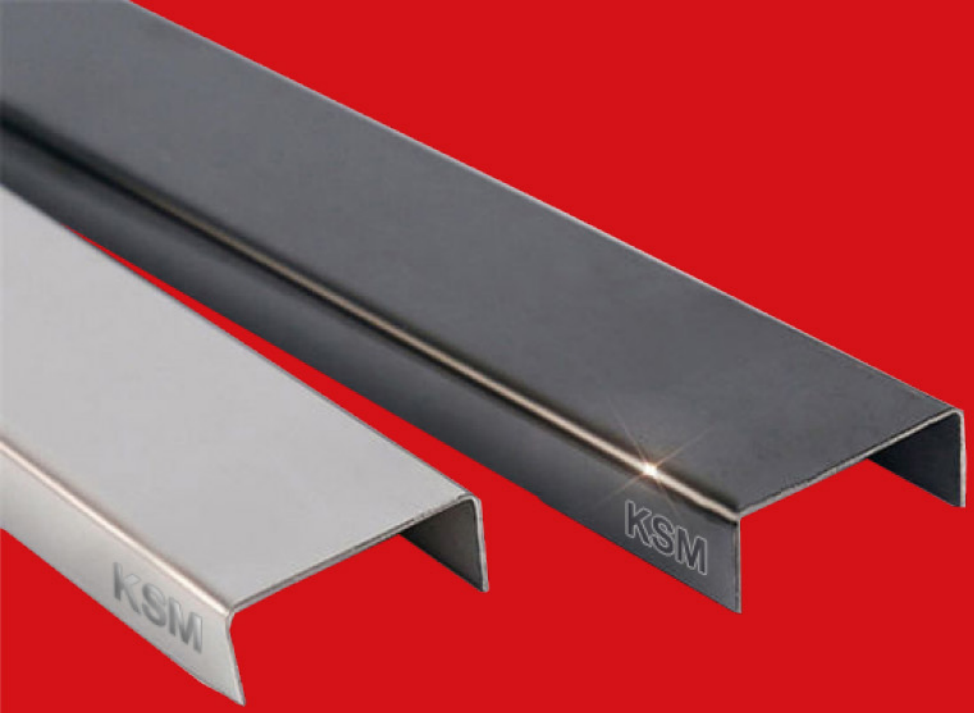
C-Channel



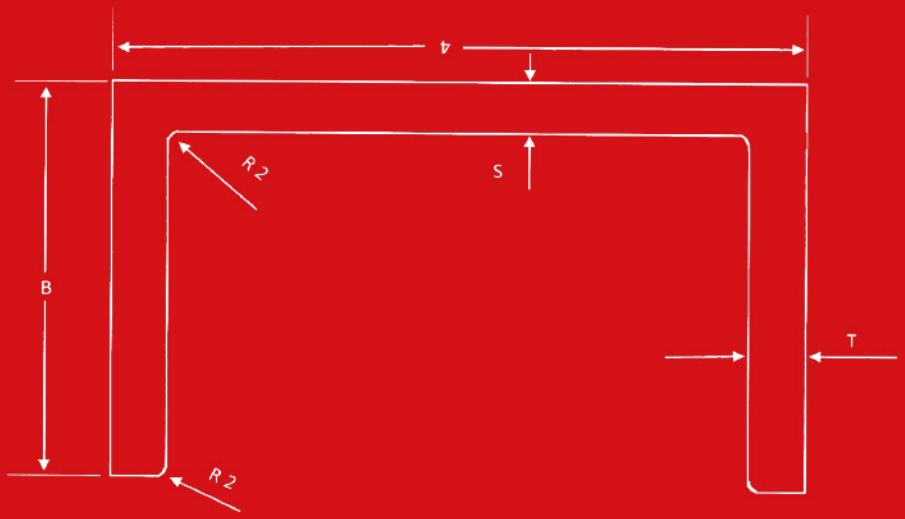
EU Standard ستندرد بین المللی

Memorial Name (mm)	Dimensions (h x b) (mm)	Body thickness (s-mm)	Cjeel tjoclmess (t-mm)	Weight (Kg/m)
80 NPU	80 x 45	6,0	8,0	8,64
100 NPU	100x 50	6,0	8,5	10,60
120 NPU	120 x 55	7,0	9,0	13,40
140 NPU	140x 60	7,0	10,0	16,00
160 NPU	160 x 65	7,5	10,5	18,80
180 NPU	180 x 70	8,0	11,0	22,00
200 NPU	200 x 80	8,5	11,5	25,30
220 NPU	220 x 80	9,0	12,5	29,40
240 NPU	240 x 85	9,5	13,0	33,20

160
Remains



C-Channel



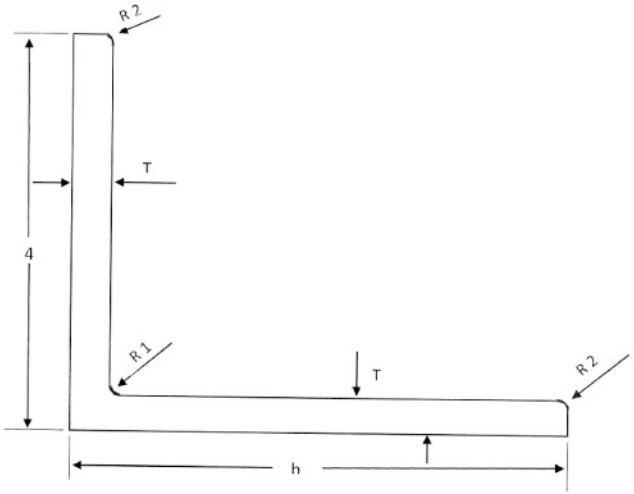
Memorial Name (mm)	Dimensions (h x b) (mm)	Body thickness (s-mm)	Cjeel tjoclmess (t-mm)	Weight (Kg/m)
80 NPU	80 x 42	5	6	7,0
100 NPU	100 x 46	5	5,5	8,5
120 NPU	120 x 50	5,5	7	10,4
140 NPU	140 x 54	6	8	12,3
160 NPU	160 x 57	6,5	8,5	14,2
180 NPU	180 x 63	7,5	9	16,3
200 NPU	200 x 70	8	10	18,4
220 NPU	220 x 80	8,5	11	21
240 NPU	240 x 85	9	12	24

Steel C-Channel Bars KSM

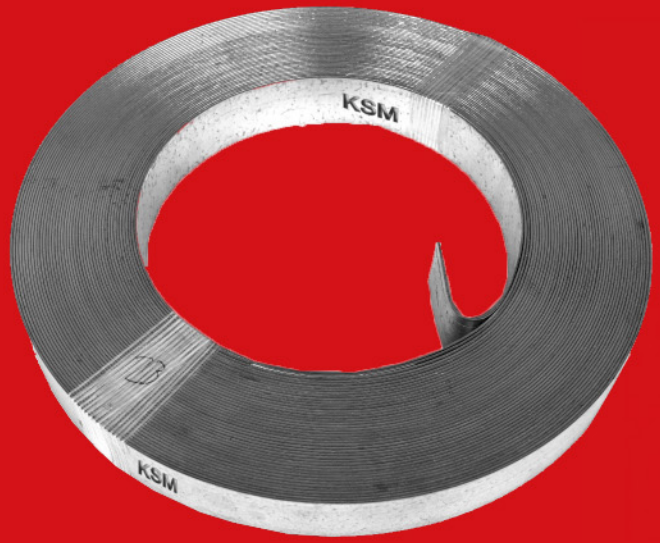
No	Description	Size (LENGTH)	Produce by
1	C-Channel 67 x 35 mm	11700 MM	KSM
2	C-Channel 80 x 40 mm	11700 MM	KSM
3	C-Channel 100 x 47 mm	11700 MM	KSM
4	C-Channel 120x 50 mm	11700 MM	KSM
5	C-Channel 140x 60 mm	11700 MM	KSM
6	C-Channel 160x 63 mm	11700 MM	KSM
7	C-Channel 180 x 70 mm	11700 MM	KSM
8	C-Channel 200 x 75 mm	11700 MM	KSM
9	C-Channel 220 x 80 mm	11700 MM	KSM
10	C-Channel 240x 90 mm	11700 MM	KSM

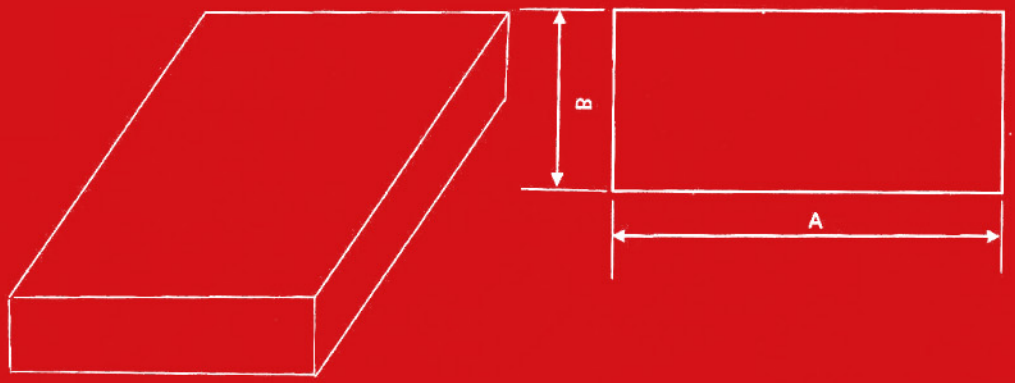
Steel Angle Bars / I-Beam

Memorial Name (h-b-t-mm)	Weight (Kg/m)	Memorial Name (h-b-t-mm)	Weight (Kg/m)
20 x 20 x 3	0,88	70 x 70 x 7	7,10
25 x 25 x 3	1,11	80 x 80 x 8	9,66
30 x 30 x 3	1,36	90 x 90 x 9	12,20
35 x 35 x 3	1,84	100 x 100 x 10	15,10
40 x 40 x 4	2,47	110 x 110 x 10	16,60
45 x 45 x 4	3,78	120 x 120 x 12	21,70
50 x 50 x 4	3,31	140 x 140 x 14	27,20
60 x 60 x 5	4,60	150 x 150 x 15	31,90



Straps تسمه

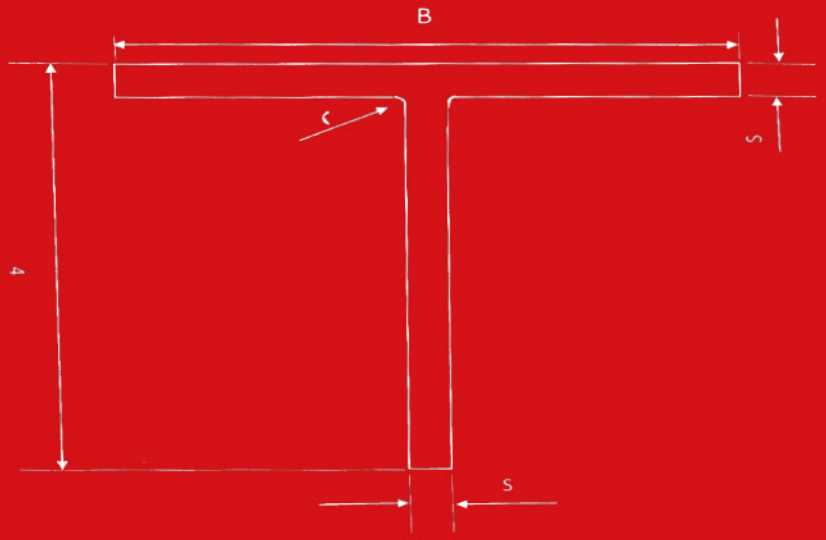


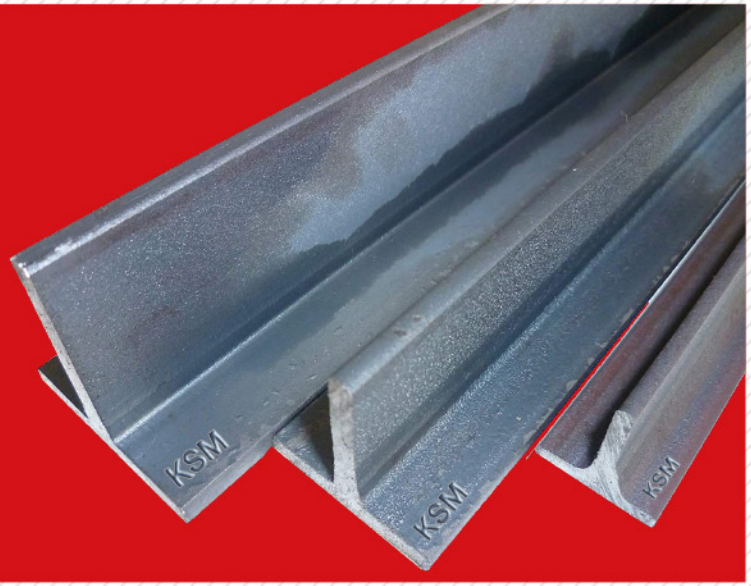


Dimension (a-b-mm)	Weight (Kg/m)	Dimension (a-b-mm)	Weight (Kg/m)
20 x 5	0,785	50 x 10	3,925
20 x 10	1,570	60 x 5	4,355
25 x 5	0,980	60 x 10	4,710
25 x 10	7,962	70 x 5	2,747
30 x 5	1,178	70 x 10	5,495
30 x 10	2,355	80 x 5	3,140
40 x 5	1,570	80 x 10	6,280
40 x 10	3,140	100 x 6	4,710
50 x 5	1,962	100 x 10	7,850

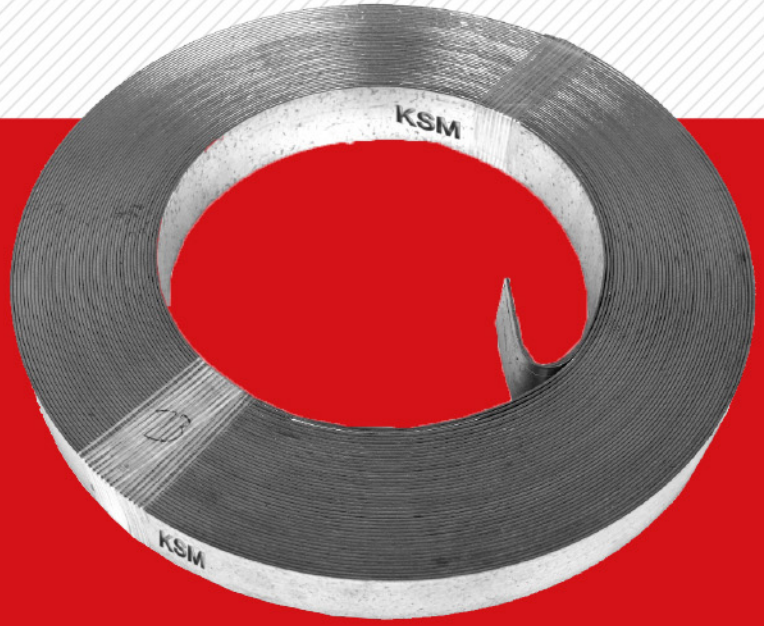
T-Iron

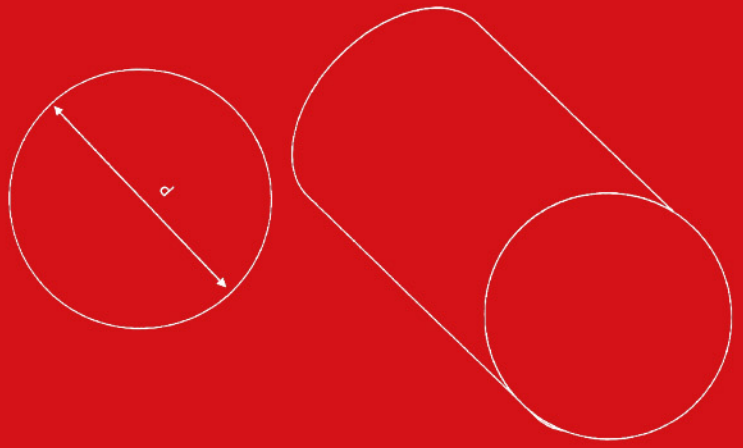
Memorial Name (h-mm)	Dimension name (b-mm)	Thickness (s-mm)	Weight (Kg/m)
30	30	4	1,78
40	40	5	2,94
50	50	7	5,11
60	60	8	7,03
70	70	9	8,26
80	80	10	11,60
90	90	10	13,40
100	100	11	16,42





Shaft شافت





Diametru (d-mm)	Greutate (Kg/m)	Diametru (d-mm)	Greutate (kg/m)
30	5,55	80	39,46
35	7,55	85	44,55
40	9,87	90	49,94
45	12,49	95	56,64
50	15,41	100	61,65
55	18,65	110	74,60
60	22,20	120	88,78
65	26,05	125	96,33
70	30,21	130	104,20
75	34,68	150	138,72

Steel Angle Bars

No	Description	Thachik (mm)	Size (LENGTH)	Produce by
1	Steel Angel Iron 75x75 mm	6 mm	11.7 Meter Length	KSM
2	Steel Angel Iron 80x80 mm	6 mm	6 Meter Length	KSM
3	Steel Angel Iron 80x80 mm	8 mm	6 Meter Length	KSM
4	Steel Angel Iron 100x100 mm	7mm	6 Meter Length	KSM
5	Steel Angel Iron 100x100 mm	10 mm	6 Meter Length	KSM
6	Steel Angel Iron 120x120 mm	10mm	6 Meter Length	KSM
7	Steel Angel Iron 140x140 mm	12 mm	12 Meter Length	KSM
8	Steel Angel Iron 150x150 mm	15 mm	12 Meter Length	KSM

خان ستیل

KHAN STEEL MILL

KSM

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