

CABLE DE ACERO CON ALMA DE FIBRA 6 X 19

CLAVE	DESCRIPCIÓN	DIÁMETRO	LARGO (m/rollo)	PESO NETO (kg)	T/S (N/mm ²)	LAY	CAP. MÁXIMA (RUPTURA) (kg)	CAP. DE TRABAJO (kg)
HK5112	6X19	1/4"	500m	69.0	1670	RHOL	2,114	352
HK5113	6X19	5/16"	500m	106.0	1670	RHOL	3,306	551
HK5114	6X19	3/8"	500m	153.0	1670	RHOL	4,762	794
HK5116	6X19	1/2"	500m	272.0	1670	RHOL	8,458	1,410
HK5118	6X19	5/8"	500m	426.0	1670	RHOL	13,257	2,209
HK5119	6X19	3/4"	500m	614.5	1670	RHOL	19,130	3,188

CABLE DE ACERO CON ALMA DE ACERO 6 X 19

CLAVE	DESCRIPCIÓN	DIÁMETRO	LARGO (m/rollo)	PESO NETO (kg)	T/S (N/mm ²)	LAY	CAP. MÁXIMA (RUPTURA) (kg)	CAP. DE TRABAJO (kg)
HK5120	6X19	1/4"	500m	78	1670	RHOL	2,286	381
HK5121	6X19	5/16"	500m	120.0	1670	RHOL	3,574	596
HK5122	6X19	3/8"	500m	173.0	1670	RHOL	5,149	858
HK5123	6X19	1/2"	500m	307.5	1670	RHOL	9,143	1,524
HK5125	6X19	5/8"	500m	481.5	1670	RHOL	14,332	2,389
HK5126	6X19	3/4"	500m	695	1670	RHOL	20,681	3,447

CABLE DE ACERO GALVANIZADO 7 X 19

CLAVE	DESCRIPCIÓN	DIÁMETRO	LARGO (m/rollo)	PESO NETO (kg)	T/S (N/mm ²)	LAY	CAP. MÁXIMA (RUPTURA) (kg)	CAP. DE TRABAJO (kg)
HK5127	7x19	3/32"	457m	10.1	1770	RHOL	346	58
HK5128	7x19	1/8"	457m	17.8	1770	RHOL	615	103
HK5129	7x19	3/16"	457m	40.2	1770	RHOL	1,384	231
HK5185	7 X 19	1/4"	100m	15.6	1770	RHOL	2,461	410
HK5130	7x19	1/4"	457m	71.3	1770	RHOL	2,461	410
HK5190	7x19	5/16"	100m	23.8	1770	RHOL	3,788	631
HK5178	7x19	5/16"	457m	108.8	1770	RHOL	3,788	631
HK5191	7x19	3/8"	100m	34.4	1770	RHOL	5,457	910
HK5179	7x19	3/8"	457m	157.2	1770	RHOL	5,457	910
HK5193	7x19	1/2"	100m	61.5	1770	RHOL	9,692	1,615
HK5182	7x19	1/2"	457m	281.1	1770	RHOL	9,692	1,615

CABLE DE ACERO GALVANIZADO 7 X 7

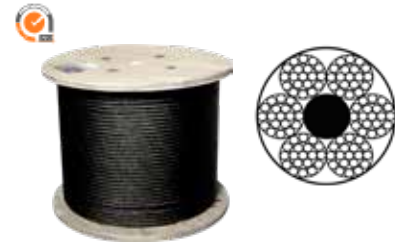
CLAVE	DESCRIPCIÓN	DIÁMETRO	LARGO (m/rollo)	PESO NETO (kg)	T/S (N/mm ²)	LAY	CAP. MÁXIMA (RUPTURA) (kg)	CAP. DE TRABAJO (kg)
HK5131	7x7	3/32"	100m	2.2	1770	RHOL	374	62
HK5132	7x7	1/8"	100m	4	1770	RHOL	665	111
HK5133	7x7	3/16"	100m	8.9	1770	RHOL	1,496	249
HK5171	7x7	1/16"	100m	1	1770	RHOL	166	28
HK5172	7x7	1/16"	457m	4.6	1770	RHOL	166	28

CABLE DE ACERO GALVANIZADO 7 X 19 CON FORRO PVC

CLAVE	DESCRIPCIÓN	DIÁMETRO	LARGO (m/rollo)	PESO NETO (kg)	T/S (N/mm ²)	LAY	CAP. MÁXIMA (RUPTURA) (kg)	CAP. DE TRABAJO (kg)
HK5137	7x19	1/8 - 3/16"	100m	5.5	1770	RHOL	615	112
HK5135	7x19	1/8 - 3/16"	457m	25.1	1770	RHOL	615	112
HK5181	7x19	3/16 - 1/4"	100m	11.5	1770	RHOL	1,384	252
HK5180	7x19	3/16 - 1/4"	457m	52.6	1770	RHOL	1,384	252

CABLE DE ACERO GALVANIZADO 7 X 7 CON FORRO PVC

CLAVE	DESCRIPCIÓN	DIÁMETRO	LARGO (m/rollo)	PESO NETO (kg)	T/S (N/mm ²)	LAY	CAP. MÁXIMA (RUPTURA) (kg)	CAP. DE TRABAJO (kg)
HK5186	7x7	3/32"-1/8"	457m	12.8	1770	RHOL	374	62
HK5187	7x7	3/32"-1/8"	100m	2.8	1770	RHOL	374	62
HK5188	7x7	1/16"-3/32"	100m	1.4	1770	RHOL	166	28



Evite utilizar el cable sobre superficies ásperas o bordes filosos
 Nunca use un cable de acero si presenta daños o rastros de oxidación
 Nunca sobre pase la capacidad de trabajo del cable de acero

Es responsabilidad del usuario el uso correcto e instalación de los cables de acero, solo deben ser usados y manipulados por personal capacitado
 Antes de usar un cable de acero asegúrese de tener el cable de acero adecuado para la aplicación requerida
 El cable de acero debe desentrollarse correctamente girando el carrete

ADVERTENCIA:

CERTIFICADO DE PRUEBAS



INSPECTION REPORT

Inspection report N° : B-50/2017
Report submission date : June 19, 2017

A. Project:	N/A	B. Supplier:	
Project Ref. No.:	-	Details:	-
Invoice No.:	NDM-1665	Job No:	-
C. Inspection:	-	D. Sub-Supplier:	-
Customer Ref.No:	-	Details:	-
Int. Ref. No (EA):	-	Job No:	-
E. Customer:	HERRAMIENTAS IMPORTADAS MONTERREY	F. Place of Inspection:	
Country:	Mexico	Contact Person:	
Customer Ref. No.:	-	Address:	
G. Executing SGS office data:	SGS Korea Co., Ltd	Phone/Fax:	
Country:	Korea	Email-Address:	
Coordinator:	Ms. JiHo, Song	P.O. at supplier:	

H. Inspection type:	Spot inspection <input checked="" type="checkbox"/>	Project inspection <input type="checkbox"/>
Pre-production <input type="checkbox"/>	During production <input type="checkbox"/>	Pre-Shipment <input type="checkbox"/>

I. Scope of Work:	Requested			Performed	Comments
	inspect	witness	review		
Visual Inspection	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
Dimensional Inspection	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
Mechanical Test	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
Quantity check	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
Packing condition check	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
Document Review	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-

J. Equipment/Goods requested for inspection:	Galvanized/UnGalvanized Steel Wire Rope / 268 Reels sets	Deviations during inspection: No (if yes, see report details)
K. Applicable Norms, Standards and specifications:	- GB/T20118-2006	Verified during inspection: <input checked="" type="checkbox"/>

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INSPECTION REPORT

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Report submission date : June 19, 2017

L. Referenced Documents:	Reference No	Rev No.	Attached to request	At place of inspection	Document used
Commercial Invoice	NDM-1665	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

M. Inspection Dates:	June 19, 2017
N. No. of inspection man days: (based on 8h)	1 days

O. Inspection result:	<input checked="" type="checkbox"/> satisfactory <input type="checkbox"/> conditionally accepted (see report details) <input type="checkbox"/> non conforming (see report details) <input type="checkbox"/> rejected (see report details) <input type="checkbox"/> aborted inspections (see report details)	P. NCR/Punch list issued:
		<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (see report details)
Q. Inspection summary and short conclusion:	The following inspections were carried out at this visit - Visual inspection: Satisfactory - Dimension inspection: Satisfactory - Mechanical test(T/S): Satisfactory - Quantity check: Satisfactory - Packing condition check: Satisfactory - Document review: Satisfactory	

Inspector: DongHyun Kim



Date: June 19, 2017

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INSPECTION REPORT

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Report submission date : June 19, 2017

R. REPORT DETAILS

R.1. Attendees

Company	Name	Position	E-mail
SGS Korea	DongHyun, Kim	Inspector	peter.kim@sgs.com

R.2. Documents used

See above Para. L

R.3. Measuring equipment used

Description	Serial No.	Validity Date
Tensile testing M/C	103	2017. 11. 03
Vernier Caliper 0 ~ 200mm	-	-

R.4. Equipment / Goods inspected

No.	Description	Type	Length (Meter)	IQ'ty (Reel)
1	Steel Wire Rope	6x19+FC 15.9 RHOL GB 1670	500	18
2	Steel Wire Rope	6x19+IWRC 12.7 RHOL GB 1670	500	18
3	Steel Wire Rope	6x19+IWRC 15.9 RHOL GB 1670	500	6
4	Galvanized Steel Wire Rope	7x19+WMC 6.4 RHOL GB 1770	457	70
5	Galvanized Steel Wire Rope	7x19+WMC 6.4 RHOL GB 1770	100	100
6	Galvanized Steel Wire Rope	7x19+WMC 9.5 RHOL GB 1770	457	55
7	Steel Wire Rope	6x19+FC 9.53 RHOL GB 1670	500	1
			Total	268

R.5. Inspection activities and results

5.1 Visual inspection

One(1) reel per each size was opened and visually inspected by us and found to be in good condition without harmful defects.

5.2 Dimension Inspection

The dimension of wire rope randomly selected one(1) reel per each size was checked, and the result was satisfactory within the permissible tolerance.

No.	Type / Dia.	Actual Rope Dia. mm
1	6x19+FC 15.9 mm RHOL GB 1670	16.13
2	6x19+IWRC 12.7 mm RHOL GB 1670	12.80
3	6x19+IWRC 15.9 mm RHOL GB 1670	16.06
4	7x19+WMC 6.4 mm RHOL GB 1770	6.46
5	7x19+WMC 6.4 mm RHOL GB 1770	6.46
6	7x19+WMC 9.5 mm RHOL GB 1770	9.60
7	6x19+FC 9.53 mm RHOL GB 1670	9.67

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5.3 Mechanical test

One rope per each size was selected at random and tested under our witness, and the results were acceptable as follows:

No.	Description	Type	Specified T/S of Wire (Kg/mm ²)	Actual T/S of Wire (Kg/mm ²)
1	Steel Wire Rope	6x19+FC 15.9 RHOL GB 1670	Min. 170	214.8
2	Steel Wire Rope	6x19+IWRC 12.7 RHOL GB 1670	Min. 170	175.3
3	Steel Wire Rope	6x19+IWRC 15.9 RHOL GB 1670	Min. 170	178.0
4	Galvanized Steel Wire Rope	7x19+WMC 6.4 RHOL GB 1770	Min. 180	190.5
5	Galvanized Steel Wire Rope	7x19+WMC 6.4 RHOL GB 1770	Min. 180	190.5
6	Galvanized Steel Wire Rope	7x19+WMC 9.5 RHOL GB 1770	Min. 180	199.5
7	Steel Wire Rope	6x19+FC 9.53 RHOL GB 1670	Min. 170	186.2

5.4 Quantity

Found to be same as declared above R.4 (Total 268 reels)

5.5 Packing condition

The wire ropes were coiled on reel drum, wrapped by plastic corrugation Sheet, then strapped by P.P bands. The packing was in good condition.

5.6 Document Review

The following documents prepared by manufacturer were reviewed, and the results were satisfactory with our endorsement.

- Packing List
- Test report.
- Mill certificate
- Calibration certificate.

R.6. Non Conformities

None

R.7. Actions required

None

R.8. Conclusion

The results were satisfactory based on the above inspections.

R.9. Attachments

- Packing List
- Test report.
- Mill certificate
- Calibration certificate.

Total: 14 pages

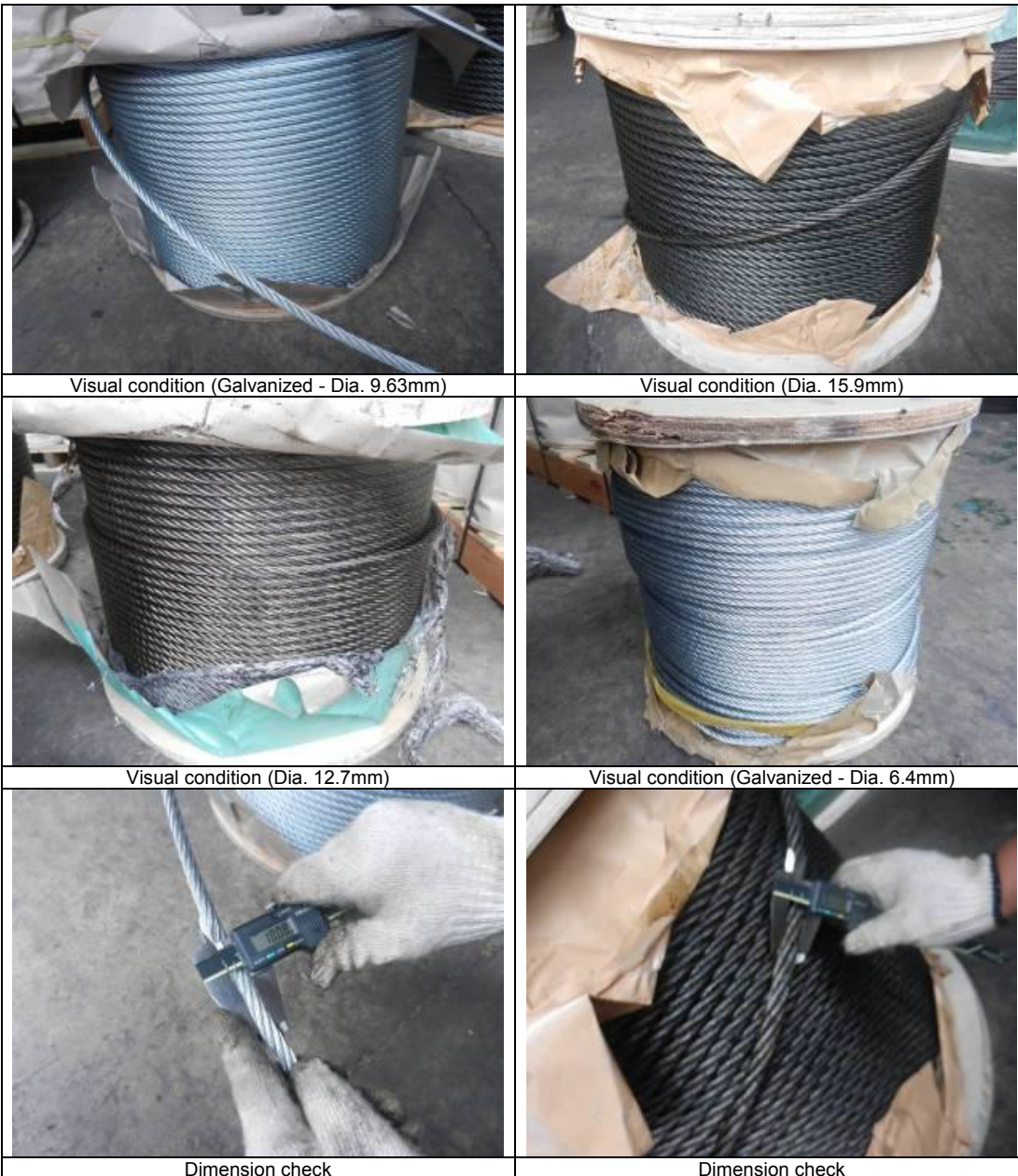
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S. Inspection Photos



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INSPECTION

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Dimension check



Dimension check



Mechanical test



Calibration label of Test machine



Packing Condition



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SGS

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Packing condition



Marking on reel

GARANTÍA

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