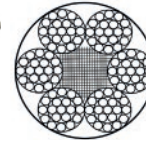


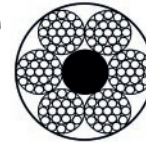
## CABLE DE ACERO CON ALMA DE FIBRA 6 X 19

CLAVE	DESCRIPCIÓN	DIÁMETRO	LARGO (m/rollo)	PESO NETO (kg)	T/S (N/mm <sup>2</sup> )	LAY	CAP. MÁXIMA (RUPTURA) (kg)	CAP. DE TRABAJO (kg)
HK5112	6X19	1/4"	500m	70	1670	RHRL	2,112	352
HK5113	6X19	5/16"	500m	110.5	1670	RHRL	3,296	549
HK5114	6X19	3/8"	500m	156	1670	RHRL	4,755	793
HK5116	6X19	1/2"	500m	279	1670	RHRL	8,439	1,407
HK5118	6X19	5/8"	500m	438	1670	RHRL	13,224	2,204
HK5119	6X19	3/4"	500m	630	1670	RHRL	19,082	3,180



## CABLE DE ACERO CON ALMA DE ACERO 6 X 19

CLAVE	DESCRIPCIÓN	DIÁMETRO	LARGO (m/rollo)	PESO NETO (kg)	T/S (N/mm <sup>2</sup> )	LAY	CAP. MÁXIMA (RUPTURA) (kg)	CAP. DE TRABAJO (kg)
HK5120	6X19	1/4"	500m	78	1670	RHRL	2,316	386
HK5121	6X19	5/16"	500m	122	1670	RHRL	3,571	595
HK5122	6X19	3/8"	500m	172	1670	RHRL	5,143	857
HK5123	6X19	1/2"	500m	307	1670	RHRL	9,122	1,520
HK5125	6X19	5/8"	500m	481.5	1670	RHRL	14,306	2,384
HK5126	6X19	3/4"	500m	695	1670	RHRL	20,643	3,441



## CABLE DE ACERO GALVANIZADO 7 X 19

CLAVE	DESCRIPCIÓN	DIÁMETRO	LARGO (m/rollo)	PESO NETO (kg)	T/S (N/mm <sup>2</sup> )	LAY	CAP. MÁXIMA (RUPTURA) (kg)	CAP. DE TRABAJO (kg)
HK5127	7x19	3/32"	457m	10.1	1770	RHRL	378	63
HK5128	7x19	1/8"	457m	17.8	1770	RHRL	673	112
HK5129	7x19	3/16"	457m	40.2	1770	RHRL	1,510	252
HK5185	7 X 19	1/4"	100m	15.6	1770	RHOL	2,673	446
HK5130	7x19	1/4"	457m	71.3	1770	RHRL	2,673	446
HK5178	7x19	5/16"	457m	111.5	1770	RHRL	4,122	687
HK5179	7x19	3/8"	457m	157.2	1770	RHRL	5,939	990
HK5182	7x19	1/2"	457m	281	1770	RHRL	10,541	1,757



## CABLE DE ACERO GALVANIZADO 7 X 7

CLAVE	DESCRIPCIÓN	DIÁMETRO	LARGO (m/rollo)	PESO NETO (kg)	T/S (N/mm <sup>2</sup> )	LAY	CAP. MÁXIMA (RUPTURA) (kg)	CAP. DE TRABAJO (kg)
HK5131	7x7	3/32"	100m	2.2	1770	RHRL	408	68
HK5132	7x7	1/8"	100m	4	1770	RHRL	714	119
HK5133	7x7	3/16"	100m	8.9	1770	RHRL	1,612	269
HK5171	7x7	1/16"	100m	1	1770	RHRL	184	31
HK5172	7x7	1/16"	457m	4.6	1770	RHRL	184	31



## CABLE DE ACERO GALVANIZADO 7 X 19 CON FORRO PVC

CLAVE	DESCRIPCIÓN	DIÁMETRO	LARGO (m/rollo)	PESO NETO (kg)	T/S (N/mm <sup>2</sup> )	LAY	CAP. MÁXIMA (RUPTURA) (kg)	CAP. DE TRABAJO (kg)
HK5137	7x19	1/8 - 3/16"	100m	5.5	1770	RHRL	673	112
HK5135	7x19	1/8 - 3/16"	457m	25.2	1770	RHRL	673	112
HK5181	7x19	3/16 - 1/4"	100m	11	1770	RHRL	1,510	252
HK5180	7x19	3/16" - 1/4"	457m	50.3	1770	RHRL	1,510	252



## CABLE DE ACERO GALVANIZADO 7 X 19 CON FORRO PVC NEGRO

CLAVE	DESCRIPCIÓN	DIÁMETRO	LARGO (m/rollo)	PESO NETO (kg)	T/S (N/mm <sup>2</sup> )	LAY	CAP. MÁXIMA (RUPTURA) (kg)	CAP. DE TRABAJO (kg)
HK5183	7x19	3/16 - 1/4"	457m	50.3	1770	RHRL	1,510	252



## CABLE DE ACERO GALVANIZADO 7 X 7 CON FORRO PVC

CLAVE	DESCRIPCIÓN	DIÁMETRO	LARGO (m/rollo)	PESO NETO (kg)	T/S (N/mm <sup>2</sup> )	LAY	CAP. MÁXIMA (RUPTURA) (kg)	CAP. DE TRABAJO (kg)
HK5186	7x7	3/32"	457m	12.6	1770	RHOL	378	63
HK5187	7x7	3/32"	100m	2.8	1770	RHOL	378	63
HK5188	7x7	1/16"	100m	1	1770	RHOL	184	31



**ADVERTENCIA:**

- 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 desenrollarse correctamente girando el carrete

# CERTIFICADO DE PRUEBAS



## INSPECTION REPORT

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

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

<b>H. Inspection type:</b>	<b>Spot inspection</b> <input checked="" type="checkbox"/>	<b>Project inspection</b> <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"/>	-

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

# CERTIFICADO DE PRUEBAS



## INSPECTION REPORT

Inspection report N° : B-50/2017-  
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"/> <b>satisfactory</b> <input type="checkbox"/> <b>conditionally accepted</b> (see report details) <input type="checkbox"/> <b>non conforming</b> (see report details) <input type="checkbox"/> <b>rejected</b> (see report details) <input type="checkbox"/> <b>aborted inspections</b> (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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# CERTIFICADO DE PRUEBAS



## INSPECTION REPORT

Inspection report N° : B-50/2017  
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

# CERTIFICADO DE PRUEBAS



## INSPECTION REPORT

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

### 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 <sup>2</sup> )	Actual T/S of Wire (Kg/mm <sup>2</sup> )
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



# CERTIFICADO DE PRUEBAS



## INSPECTION REPORT

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

### S. Inspection Photos



# CERTIFICADO DE PRUEBAS



## INSPECTION

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



Dimension check



Dimension check



Mechanical test



Calibration label of Test machine



Packing Condition



# CERTIFICADO DE PRUEBAS



## INSPECTION REPORT

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



Packing condition



Marking on reel

### GARANTÍA

Este producto está garantizado contra defectos de fabricación y origen por un periodo de 1 año a partir de la fecha de adquisición por el usuario final. Esta garantía es válida siempre y cuando el producto sea usado en condiciones normales y para lo que fue diseñado: NO CUBRE desgaste natural por uso, variaciones de voltaje, exceso de capacidades, omisión de instrucciones de uso y/o modificaciones de cualquier tipo. Para ser válida la garantía es necesario que presente el producto y su comprobante de compra (factura o ticket impreso) donde fue adquirido el producto o directamente a Herramientas Importadas Monterrey, S.A. de C.V. El producto será enviado al Centro de Servicio y sometido a valoración, el envío hasta el Centro de Servicio deberá ser cubierto por el usuario. Una vez que el producto sea reparado o se apruebe la reposición, éste será enviado al domicilio que nos indique y el costo del envío será cubierto por Herramientas Importadas Monterrey. Centro de Atención Tel. (81) 8374-8812. Más información y detalles en la página [www.dogotuls.com](http://www.dogotuls.com) en el apartado de garantía.