

**Dagangan** : SILICO-MANGANESE STEEL WIRE  
ROD

Nama Perdagangan : Wire Rod in Coil  
Model : ER70S-6

**Kod Tarif (Perintah Duti Kastam 2012) :**

7227.20.00 00 (PDK 2017)

**Tarikh Kelulusan** : 01 Ogos 2017

**Keterangan barangan :**

Deskripsi	Barangan dinamakan sebagai <i>wire rod</i> , model ER70S-6, merupakan rod logam berwarna kelabu.
Spesifikasi	1.Ukuran diameter : 5.5 mm 2.Pembungkusan: Diimport dalam bentuk gelungan ( <i>coil</i> ) 3.Komposisi barangan (Permohonan) : <i>Carbon</i> : 0.0700 % <i>Manganese</i> : 1.4900 % <i>Silicon</i> : 0.8570 %
Model	<i>ER70S-6</i>
Kegunaan	<i>Raw material for making solid welding wire</i>
Maklumat berdasarkan <i>Mill Test Certificate</i> : Contract No:SWWR1603889	

Commodity	Wire rod	
Steel Grade	ER70S-6	
Specification	SGJX-X022-2013	
Condition of delivery	in coil	
Chemical Composition (%)	Zirconium (Zr)	0
	Carbon (C)	0.07
	Silicon (Si)	0.84 -0.85
	Manganese(MN)	1.49 -1.50
	Phosphorus (P)	0.013 – 0.016
	Sulphur (S)	0.011 – 0.014
	Vanadium (V)	0.000 – 0.002
	niobium (Nb)-	0.004 – 0.005
	Titanium (Ti)	0.005 – 0.009
	Chromium (Cr)	0.02 – 0.04
	Nickel (Ni)	0.01
	Copper (Cu)	0.02
	Molybdenum (Mo)	0
	Aluminium (Al )	0.003
Ferrous (Fe)	Remaining	
Diameter	5.5mm	

**Ketetapan :**

Ketua Pengarah Kastam Malaysia memutuskan barangan tersebut sesuai diperjeniskan di bawah kod tariff **7227.20.00 00** sebagai **Bars and rods, hot rolled, in irregularly wound coils, of silico-manganese steel** berdasarkan alasan-alasan berikut:

- Laporan analisis pakar mengesahkan barangan terdiri terutamanya daripada besi serta 1.4% mangan, 0.9% silicon dan 0.07% karbon.
- Berdasarkan saiz, fizikal, serta proses penghasilan, barangan memenuhi definisi *bars and rods* merujuk kepada *Chapter Notes 1(l), Chapter 72* di dalam Perintah Duti Kastam 2017 seperti berikut:

(a) Chapter Notes 1(l), Chapter 72 di dalam Perintah Duti Kastam 2017:

**(l) Bars and rods, hot-rolled, in irregularly wound coils**

*Hot-rolled products in irregularly wound coils, which have a solid cross-section in the shape of circles, segments of circles, ovals, rectangles (including squares), triangles or other convex polygons (including flattened circles and modified rectangles, of which two opposite sides are convex arcs, the other two sides being straight, of equal length and parallel). These products may have indentations, ribs, grooves or other deformations*

- Kandungan elemen *carbon* yang terkandung di dalam barangan adalah 0.07% sebagaimana yang telah disahkan oleh Jabatan Kimia. Oleh itu, barangan memenuhi definisi *steel* sebagaimana berdasarkan *Chapter Notes 1(d) Chapter 72* di dalam Perintah Duti Kastam 2017 iaitu :-

**(d) Steel**

*Ferrous materials other than those of heading 72.03 which (with the exception of certain types produced in the form of castings) are usefully malleable and which contain by weight 2% or less of carbon. However, chromium steels may contain higher proportions of carbon.*

- Analisa pakar menyatakan bahawa kandungan *silicon* adalah 0.9%, yang mana barangan memenuhi definisi *alloy steel* sebagaimana keterangan *Chapter Note 1(f), Chapter 72* di dalam Perintah Duti Kastam 2017 iaitu :-

**(f) Other alloy steel**

*Steels not complying with the definition of stainless steel and containing by weight one or more of the following elements in the proportion shown:*

- 0.3 % or more of aluminium
- 0.0008 % or more of boron
- 0.3 % or more of chromium
- 0.3 % or more of cobalt
- 0.4 % or more of copper
- 0.4 % or more of lead
- 1.65 % or more of manganese

- 0.08 % or more of molybdenum
- 0.3 % or more of nickel
- 0.06 % or more of niobium
- **0.6 % or more of silicon**
- 0.05 % or more of titanium
- 0.3 % or more of tungsten (wolfram)
- 0.1 % or more of vanadium
- 0.05 % or more of zirconium
- 0.1 % or more of other elements (except sulphur, phosphorus, carbon and nitrogen), taken separately.

- Berdasarkan kepada analisa pakar, barangan memenuhi definisi sebagai *silico-manganese steel* berdasarkan *subheading note 1 (e)* kepada *Chapter 72* di dalam Perintah Duti Kastam 2017 seperti berikut :

**Subheading Notes.**

1. In this Chapter the following expressions have the meanings hereby assigned to them:

**(e) Silico-manganese steel**

*Alloy steels containing by weight:*

- not more than 0.7% of carbon,
- 0.5% or more but not more than 1.9% of manganese, and
- 0.6% or more but not more than 2.3% of silicon, but no other element in a proportion that would give the steel the characteristics of another alloy steel.

Komposisi bahan merujuk kepada Mill Cert	Kesimpulan
(i) Carbon ( C) – 0.07%	- kandungan Carbon kurang daripada 0.7%
(ii) Manganese (Mn) - 1.49% -1.50%	- kandungan Manganese lebih daripada 0.5% or more but not more than 1.9%
(iii) Silicon(Si) - 0.84% -0.85%	- Kandungan Silicon lebih daripada 0.6 % or more but not more than 2.3 %
	Barangan menepati keterangan sebagai <b>Silico-manganese steel</b>

- Barangan mendapat liputan dalam Perintah Duti Kastam 2017 seperti berikut:

<b>72.27</b>	<b>Bars and rods, hot-rolled, in irregularly wound coils, of other alloy steel.</b>
7227.10.00 00	- Of high speed steel
7227.20.00 00	- Of silico-manganese steel
7227.90.00 00	- Other

Gambar Barangan:

