

# Engineering Standard

---

SAES-O-108

12 October, 2005

Locks Used on Security Doors,  
Perimeter Fences and Emergency Exits

---

Safety & Security Standards Committee Members

*Ghabbani, A.A., Chairman*

*Al-Mugbel, W.M.*

*Al-Tuwaijri, A.I.*

*Al-Zahrani, H.S.*

*Fadley, G.L.*

*Lentz, S.A.*

*Solaiman, M.Z.*

*Welsh, D.*

## Saudi Aramco DeskTop Standards

### Table of Contents

1	General.....	2
2	Amendments.....	2
3	Commentary.....	2

## 1 General

This standard refers to Locks for Security Doors, Perimeter Fences and Emergency Exits. This Standard shall be used in conjunction with Safety and Security Directive No. 8 (SSD/8) of the Saudi Arabian Government Supreme Commission for Industrial Security.

## 2 Amendments

Safety and Security Directive No. 8 has not been amended by the Supreme Commission for Industrial Security.

## 3 Commentary

Certain clarifications have resulted from applying SSD/1 to Saudi Aramco projects. The following items reflect a general understanding reached with representatives of the Supreme Commission for Industrial Security and should be verified through liaison by the Proponent with the General Manager of Industrial Security Operations. The GM of ISO will contact the Managers of the Consulting Services Department and/or Loss Prevention Department in case there are conflicts with other company engineering standards and materials specifications, standard drawings or Industry Codes.

3.1 With the exception of the main facility entrance gate which is manned 24 hours a day, the remaining 2 gates in the Security Perimeter Fence are to be kept locked using locks conforming to this specification.

3.2 The locks of this specification are to be used in conjunction with the doors of SSD/7 and unguarded gates of SSD/5.

3.3 Manufacturers of LOCKS conforming to SSD/8 include:

Chubb and Sons	Ingersoll Locks Ltd.
Lock and Safe Co. Ltd.	Fern Bank Road
14-22 Tottenham St.	Ascot, Berkshire
London, WIP-OAA	SL5-8HG Berkshire SL5-8HG
England	England

3.4 REDLAM PANIC BOLTS are available through:

Unique Fire Protection Ltd.  
Regent Street Rochdale OL12 OLG England  
Telephone: Rochdale 341631

3.5 The "REVOBAR" type of hasp and staple protects the attaching screws from tampering when the hasp is closed over the staple however, it is no longer being manufactured and has been replaced by the Hercules Padlock Bar (Model

---

7B018). The Hercules Padlock Bar is manufactured by Chubb and Sons, refer to paragraph 3.1.3 for address.

- 3.6 Emergency exit doors shall not be fitted with a hasp and staple.
- 3.7 Locks of this specification shall have the capability to be tied into the monitoring sensors of an intruder detection system (SSD/15), if required.
- 3.8 Reference Standards (Latest Edition)

Saudi Aramco Engineering Standards

<a href="#"><u>SAES-O-100</u></a>	<i>Safety and Security, General Requirements</i>
<a href="#"><u>SAES-O-107</u></a>	<i>Security and Emergency Exit Doors</i>
<a href="#"><u>SAES-O-109</u></a>	<i>Buildings Housing Sensitive or Vital Equipment</i>
<a href="#"><u>SAES-O-110</u></a>	<i>Protection of Vital Equipment</i>
<a href="#"><u>SAES-O-115</u></a>	<i>Intruder Detection System</i>

Safety and Security Directives

<i>SSD/5</i>	<i>Gates in Perimeter Fences</i>
<i>SSD/7</i>	<i>Security and Emergency Exit Doors</i>
<i>SSD/8</i>	<i>Minimum Standards for Locks Used on Security Doors, Perimeter Fences and Emergency Exits</i>
<i>SSD/15</i>	<i>Intruder Detection Systems</i>

**Revision Summary**

12 October, 2005

Revised the "Next Planned Update". Reaffirmed the contents of the document, and reissued with no other changes.