

DOME LOCKS SPEC SHEET

HYDRA-SHIELD MANUFACTURING

Dome Lock Overview



The Dome lock is our patented product and made up of 65-45-12 Ductile Iron with a protective powder coating for corrosion prevention and is designed to fit over a brass center post which is made out of mag bronze. These items are designed to give an economical protection to the fire hydrant from water theft, vandalism and or terrorist threats. This lock is designed and manufactured by Hydra-Shield Manufacturing Inc. (referenced in Sole source section). With the design of the dome lock it can be used on almost all hydrant models.

THE PART NUMBERS LISTED ARE NATIONAL STANDARD THREADS ONLY

<u>Part Numbers</u>	<u>Descriptions</u>
DOME-LOCK-1.5P-ASSY	1-1/2" Pentagon operating nut Dome Locking Device
DOME-LOCK-1.375P-ASSY	1-3/8" Pentagon operating nut Dome Locking Device
DOME-LOCK-1.0SQ-ASSY	1" Square operating nut Dome Locking Device
DOME-WRCH	Dome Lock Security Access Key
Special Operating nuts	Call for any special op nut sizes!!!

OTHER VARIOUS INFORMATION

Dome Lock

Installation: A brass center post with a brass insert to fit over the actual hydrant operating nut will attach to the operating nut on the fire hydrant by means of a 1/2" cap bolt. Notice that the insert is tapered to fit one direction into the center post body. The hydrant operating nut must be drilled and tapped to accept the lock center post. Using a 27/64" drill bit, drill the hole 1-1/8" deep, tap with a 1/2"-13 thread tap. Use the center post body/insert as a drill guide to assist in centering the hole. Clean out all metal shavings prior to installing the center post on the operating nut. Tighten the 1/2" cap bolt to secure the center post to the operating nut.

Dome: The dome is 65-45-12 ductile iron, with a powder coating for corrosion prevention and is designed to fit over the brass center post. After placing over the center post, insert the special stainless steel security plug into the side of the dome and tighten with the security wrench. The plug will fit into a groove in the center post, securing it to the center post and allowing the dome to spin freely on the hydrant. If the dome touches the hydrant bonnet and will not spin freely, you will have to install 1-2 washers underneath the center post on top of the hydrant operating nut. This will give the dome lock more clearance and allow it to free spin.

Security Plug and wrench: The special wrench fits the plug which is used to install and remove the dome over the center post part of the lock. This denies access to all except authorized wrench users. In order to gain access to the hydrant op nut, you must take the wrench and loosen the security plug about 2-3 turns. It is not necessary to entirely remove the security plug. You can then remove the dome and use your normal hydrant wrench to attach to the 1.5" op nut and start opening the hydrant. When finished, turn off hydrant, install the dome and tighten the security plug.

Sole Source Contact Info

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Purchase orders

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