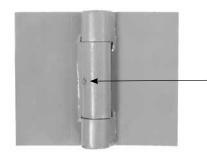# Detention Hardware

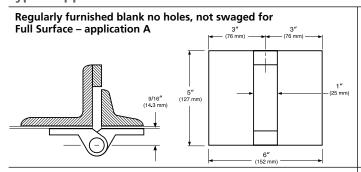## Double Weight Concealed Ball Bearing Prison Hinges

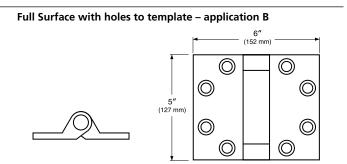**BB855** – (ANSI A8381) – steel with welded pin. Phosphated and prime coated for painting

- For lead-lined doors to x-ray rooms and other exceptionally heavy doors
- Made of double weight steel capable of carrying doors weighing up to 800 lbs. (363 Kg) (Based on a 3' x 7' door with 3 hinges)
- Each of the 2 concealed hardened steel races contains sixteen 1/8" (3.2 mm) hardened and ground steel balls which are assembled within a jacket
- Concealed bearings are well lubricated insuring smooth, long lasting operation
- Rolled knuckles are welded and machined
- Typically made not swaged, no holes (application A) for full surface applications, or for full mortise (applications C) application. All other configurations are made to order
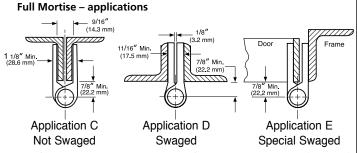

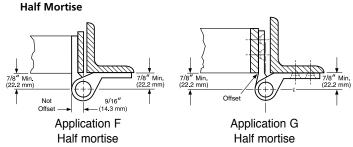**Provision has been made in the barrel of hinge for forced lubrication if further lubrication is necessary**

Typical applications of BB855

Regularly furnished blank no holes, not swaged for Full Surface – application A

Full Surface with holes to template – application B

Full Mortise – applications

Application C	Application D	Application E
Not Swaged	Swaged	Special Swaged

For all full mortise applications the center of barrel should be set 7/8" (22.2 mm) from door and frame so welded joints will clear. Leaves can be swaged apart any distance between 1/16" (1.6 mm) to 9/16" (14.3 mm)

Half Mortise

Application F	Application G
Half mortise	Half mortise

Variations of half mortise or half surface types can be obtained by further bumping or swaging of mortise leaf to accommodate any required construction. Specify hand when ordering

* Furnished on order with holes and with machine screws, at additional cost. When screw holes are required they are accurately punched to template. If above details do not show your particular construction submit details and specifications.

**Application H available as made to order

No holes, not swaged for applications "A" or "C"	Catalog Number	USP/EDP Number	Length of Joint		Length of Joint		Gauge of Metal		Diameter of Pin		Quantity Per Carton	Carton Weight	
			Inches	(mm)	Inches	(mm)	Inches	(mm)	Inches	(mm)		Lbs.	(Kg)
	BB855	02 9468	5	(127)	6	(152)	281	(7.1)	1/2	(12.7)	2 Ea.	7	(3.2)