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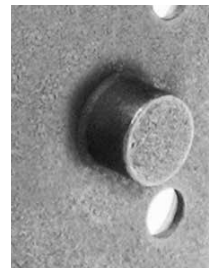
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Detention Hardware

Heavy Weight Concealed Bearing Prison Hinges

IHTCB1995R – (ANSI A8111) – 3 knuckle – full mortise – steel – phosphated and painted
IHTCB1995R – (ANSI A5111) – 3 knuckle – full mortise – stainless steel – satin finish (32D)

- Specially designed for detention facilities
- Investment cast 304 stainless steel
- Available with or without shear resistant stud (SRS)
- Limited lifetime warranty
- Concealed bearing for trouble free, long life – no oil, no grease, no maintenance
- Heavy weight gauges increase available bearing surface area for maximum friction reduction
- Stainless steel, hardened, free turning, completely concealed pin
- Hinges can be furnished as follows:
 - with concealed switch (CS)
 - with shear resistant studs (SRS)



Shear Resistant Stud

Size Open		Gauge of Metal		Number of Flat Head Security Machine Screws Per Hinge		Quantity Per Box	Quantity Per Carton	Carton Weight	
Inches	(mm)	Inches	(mm)					Lbs.	(Kg)
4 1/2" x 4 1/2"	(114 x 114)	.188	(4.8)	8 - 1/4-20 x 1/2	8-9 x 1	3 ea.	30 ea.	46	(20.9)

Suggested Specifications

Institutional type hinges should be fabricated from investment cast stainless steel. All dimensions as to size, thickness, and screw holes shall conform to ANSI-A156.7 "Standard for Template Hinge Dimensions". Both lateral and vertical loads will be accommodated by bearings which include anti-friction, self-lubricating materials. Pins shall be non-removable. The top and bottom ends of the hinge barrel shall be contoured to a uniform slope.

Hinges shall be tested to cycle a 300 lbs. (136 Kg) door a minimum of 2,500,000 times, (0°-90°-0°), installed in accordance with ANSI-156.1 type test fixtures. Vertical wear shall not exceed .030" (.76mm) and lateral wear shall not exceed .060" (1.5mm).

All hinges shall be subjected to a Door Impact Test in accordance with ASTM F1758-96 Standard Test Method for Detention Hinges Used on Detention-Grade Swinging Doors. They shall be capable of withstanding 200 repetitive blows of 200 foot pounds. (271.2-J) of force delivered on the door within 6" (152mm) of each hinge.