



The Leading Manufacturer of Premium Detention Hardware & Accessories

NW 645FM

STAINLESS STEEL HINGE

Size: 4 1/2" x 4 1/2" x 3/16" Thick
Material: Stainless Steel, Investment Cast
Style: Full Mortise, Hospital Tip
Finish: US32D
Pin: Stainless Steel,
Concealed & Non-Removable
Bearings: Anti-Friction Bearings,
Maintenance-Free
Capacity: 300lb Door (3 Hinges)
Mounting Screws: Security Flat Hd,
1/4-20 x 1/2"
Template: ANSI/BHMA A156.7



Northwest Specialty Hardware, Inc.

15865 SE 114th Avenue, Suite C

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NW 645FMST STAINLESS STEEL HINGE W/ SECURITY STUD

Size:	4 1/2" x 4 1/2" x 3/16" Thick
Material:	Stainless Steel, Investment Cast
Style:	Full Mortise, Hospital Tip w/ Security Stud
Finish:	US32D
Pin:	Stainless Steel, Concealed & Non-Removable
Bearings:	Anti-Friction Bearings, Maintenance-Free
Capacity:	300lb Door (3 Hinges)
Mounting Screws:	Security Flat Hd, 1/4-20 x 1/2"
Template:	ANSI/BHMA A156.7



Note: NW 645FMST meets and surpasses ASTM F1758-03 Grade 1 criteria. Test results from an independent testing laboratory are available upon request.



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NW 645ETH

ELECTRIC TRANSFER HINGE

Size:	4 1/2" x 4 1/2" x 3/16" Thick
Material:	Stainless Steel, Investment Cast
Style:	Electric Transfer Hinge Full Mortise, Hospital Tip
Finish:	US32D
Wiring:	Color Coded Wires (5) 18 ga, UL Recognized
Capacity:	Non-Load Bearing
Mounting Screws:	Security Flat Hd, 1/4-20 x 1/2"
Handing:	Non-Handed, Reversible
Template:	ANSI/BHMA A156.7

Note: 6 coded wires are available upon request.



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NW 645ETHUL

ELECTRIC TRANSFER HINGE, UL RATING

Size:	4 1/2" x 4 1/2" x 3/16" Thick
Material:	Stainless Steel, Investment Cast
Style:	Electric Transfer Hinge Full Mortise, Hospital Tip
Finish:	US32D
Wiring:	Color Coded Wires (5) 18 AWG, Mil16878/4
Wire Rating:	Mil-W-16878/4 UL 1213
Mounting Screws:	Security Flat Hd, 1/4-20 x 1/2"
Template:	ANSI/BHMA A156.7

Features: The UL Listed Type wire has passed UL VW-1 Flame Test. This Hinge has excellent resistance to thermal aging, flame and moisture

Note: 6 coded wires are available upon request.



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NW 646HD

316 STAINLESS STEEL HEAVY-DUTY HINGE

NW 646 HD 316 Stainless Steel Heavy-Duty Hinge with Security Studs is designed and manufactured based on the feedback and requirements of the US Department of State. NW 646 HD Hinge has been installed on the doors of the United States Embassies around the world since 2012.

Both hinge leaf and pin of NW 646 HD Hinge are made of 316 stainless steel, which is considerably more resistant to corrosion and oxidation than the 304 family of alloys. NW 646 HD Hinge is the only security hinge on the market today with the custom-made 316 stainless steel pin. This is an important advantage for conditions that require resistance to extreme environmental conditions, such as moist conditions when exposed to moist salty air near the ocean or extreme temperature changes.

The bearing of NW 646 HD Hinge is custom-made in Germany and is exclusive to Northwest Specialty Hardware Inc.. This bearing has superior properties of heavy-duty, anti-friction and maintenance-free.

The load capacity of NW 646 HD Hinge is 600 lb. with three hinges, twice the load capacity of any other 4-1/2 inch hinge in the detention industry, as measured by an independent laboratory.

NW 646 HD Hinge offers a higher level of physical security and force protection. NW 646 HD Hinge has proven excellent performance in highly-secured environments and extreme climate conditions.

NW 646 HD Hinge has the same installation template as NW 645 FMST Hinge which is the best selling hinge in the detention industry. NW 646 HD Hinge is the ideal replacement or substitute for any other brand hinges in order to meet higher security standards and withstand extreme climate conditions.



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The Leading Manufacturer of Premium Detention Hardware & Accessories


NW 646HD

316 STAINLESS STEEL HEAVY-DUTY HINGE

Size:	4 1/2" x 4 1/2" x 3/16" Thick
Material:	316 Stainless Steel, Investment Cast
Style:	Full Mortise, Hospital Tip w/ Security Stud
Finish:	US32D
Pin:	316 Stainless Steel, Concealed & Non-Removable
Bearings:	Heavy-Duty Bearings, Custom-Made in Germany, Anti-Friction, Maintenance-Free
Capacity:	600lb Door (3 Hinges)
Mounting Screws:	Security Flat Hd, 1/4-20 x 1/2"
Template:	ANSI/BHMA A156.7



Note: NW 646 HD is made of grade 316 stainless steel and heavy-duty bearings for maximum strength and corrosion resistance. NW 646 HD provides a high level of physical security and force protection. NW 646 HD is applied to the United States Embassies around the World.



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NW 845HW HEAVY WEIGHT HINGE W/ HOSPITAL TIP

Size:	4 1/2" x 4 1/2" x 0.18" Thick
Material:	304 Stainless Steel (SS)
Style:	Full Mortise, Square Corner
Finish:	US32D
Bearing Type:	Heavy Weight Ball Bearing (HB) Minimum 2,500,000 Cycles
Pin Type:	Hospital Tip, Stainless Steel Non-Removable Pin (NRP)
Load Capacity:	250lb Door (3 Hinges)
Mounting Screws:	Machine Screw, 1/2 x 12-24 FH Wood Screw, 1 1/4 x 12 FH
Standard:	ANSI/BHMA A156.1



Features: Hospital Tip (HT) prevents hanging any objects on the tip of the hinge. HT hinges with Non-Removable Pin (NRP) are used in medical or security areas and psychiatric facilities to prevent tampering or injury.

Application: Heavy Weight Stainless Steel hinges are permitted for use on wide and heavy doors or doors with heavy use or unusual stress. They can also be used on listed fire rated or labeled door openings.



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The Leading Manufacturer of Premium Detention Hardware & Accessories


NW 845HWSC HEAVY WEIGHT SWING CLEAR HINGE W/ HOSPITAL TIP

Size:	4 1/2" x 4 1/2" x 0.18" Thick
Material:	304 Stainless Steel (SS)
Style:	Swing Clear, Full Mortise
Finish:	US32D
Bearing Type:	Heavy Weight Ball Bearing (HB) Minimum 2,500,000 Cycles
Pin Type:	Hospital Tip, Stainless Steel Non-Removable Pin (NRP)
Load Capacity:	250lb Door (3 Hinges)
Mounting Screws:	Machine Screw, 1/2 x 12-24 Wood Screw, 1 1/4 x 12
Standard:	ANSI/BHMA A156.1



Features: (1) Hospital Tip (HT) prevents hanging any objects on the tip of the hinge. HT hinges with Non-Removable Pin (NRP) are used in medical or security areas and psychiatric facilities to prevent tampering or injury. (2) Swing Clear (SC) hinges are designed to swing the door completely clear of opening when door is opened 95 degree. Swing Clear hinges allows maximum clearance for passage of beds, tables, wheelchairs, or other equipment through door openings.

Application: Heavy Weight Swing Clear hinges are recommended for use on high frequency and/or heavy wood or metal doors in schools, hospitals or other public buildings where heavy traffic is experienced.



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