

DSD SERIES

Security & Detention Doors and Windows

DSD – Series doors are part of our Hi-Security production line. Designed & manufactured according to HMMA – 863 (98 & 04), and ASTM F1450-05 (Standard Test Methods for Hollow Metal Swinging Door Assemblies for Detention and correctional facilities, this series covers the whole line of doors specially designed for detention centers and prisons, all tested and certified by Intertek – Warnock Hersey – USA.

Above Series includes:

- Detention Inmate Cell Doors with all possible options as food pass, speaker grill, vision panel, and preparation details of all types detention hardware.
- Security Grilled Doors, swinging or sliding, manually or automatically operated.
- Security Garage Doors.

According to the security grade, the steel facing thickness varies between 1.5mm for commercial security doors, 2.0mm for grade 3 & 4 Detention Doors and 2.5 mm for grade 1 & 2 Detention Doors.

FIRE RATING

Fire labeling available as listed and labeled by Intertek – Warnock Hersey according to UL 10C, UL 10B, UBC 7-2-1997, NFPA 252 – 1995, ASTM E 152-81a, CAN4 – 1980 , and BS 476 Part 20.

FEATURES – CORE

- Spaces between stiffeners are insulated with fiberglass to the full height of the door.
- Standard infill nominal density 24 kg/m³
- Thermal Conductance (50 mm); U = 0.123 Btu/hr.ft °F (ASTM C177).

LEAF CONSTRUCTION

- Formed of heavy gauge steel face sheets constructed around a custom engineered steel rib core with interior construction as required to protect against specified security levels.
- Factory applied epoxy prime base coat.
- All other construction details, as skin & frame sheet thickness, reinforcement details, and frame anchoring details, depends on the security grading required and thus solely on HMMA - 863 (98 & 04), and ASTM F1450 recommendations.



- Thermal Resistance: R- Factor = 8.11 hr.ft² – °F/Btu (ASTM C518-63T)
- Combustibility: None / IMO Resolution – ASTM E 136 – 82, BS 476 part 4, ISO R 1182

HARDWARE

- DSD – Series Swing door hardware includes modified builders hardware of factory manufactured locks and hinges as required by security rating. Sliding door hardware includes low friction tracks and rollers, low voltage control circuitry for electrical operators, and a variety of operator actuation devices.

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DSW-DETENTION SECURITY WINDOWS

DSW-Series windows are part of our Hi-Security line. Designed and manufactured according to HMMA-863. Tested and certified in accordance with ASTM F 1592-05 (Standard Test Methods For Detention Hollow Metal Vision Systems) at Intertek-Warnock Hersey-USA.

Available in grades 1 & 2. Tested for side light with door frame and a borrowed light with four glazing panes.

Window frames are made of 2mm thick steel sheets and glazing stops of 3mm thick steel angles.

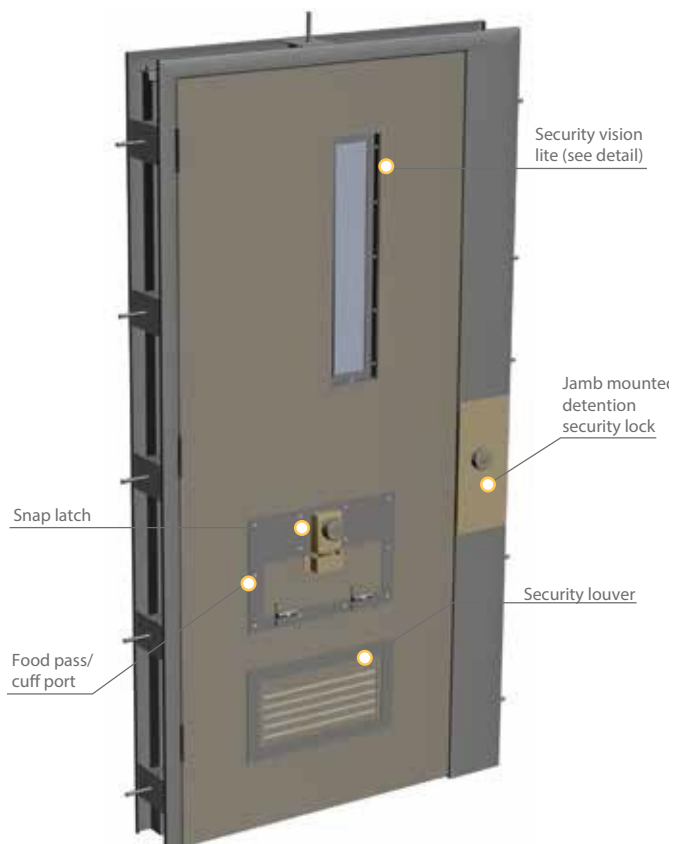
DSD-SERIES GENERAL OPTIONS

- Alkyd or polyurethane RAL color paint finish (factory applied).
- Supplied with or without hardware.
- Sliding assemblies are available manual or power operated.
- Can be manufactured for multiple performance requirements including acoustical, bullet resistance, blast resistance, thermal protection, radio frequency shielding or any combination thereof.

DSD-Series doors are offered with standard frame designs and special frame profiles can be engineered to complement wall construction and architectural style.

Doors and Frames are available in mild or galvanized steel. Stainless steel cladding is also possible.

Available with all possible options of food pass, speaker grill, vision panel, single and double leaf custom made frames and preparation details of all types of detention or security hardware.



Typical Inmate Cell Door