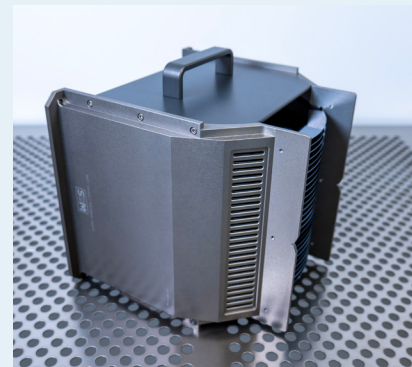
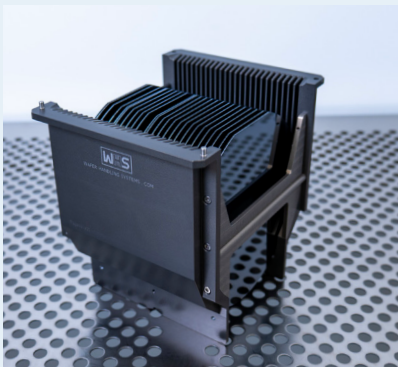
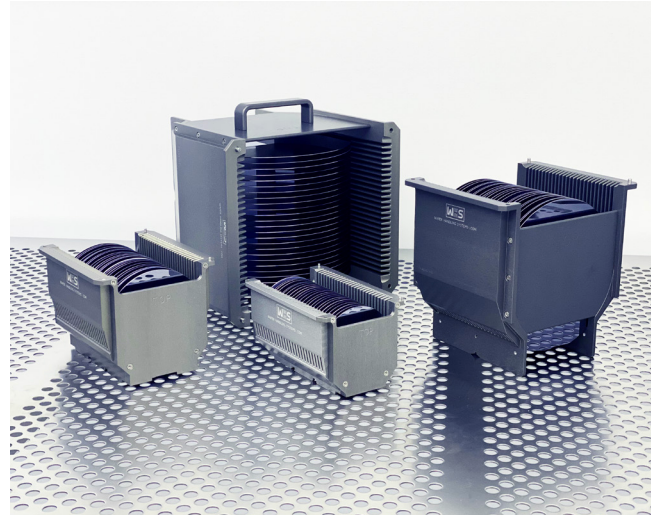


ALUMINUM METAL CASSETTE

WHS-M1 Aluminum Metal Cassette

The WHS-M1 series is a precision-engineered, all-aluminum cassette designed for processing semiconductor wafers in high-temperature environments, up to 350°C. Built to meet SEMI standards, this metal cassette offers enhanced durability and thermal performance, ideal for processes like chemical vapor deposition (CVD), rapid thermal processing (RTP), and wafer annealing.

With outside dimensions matching industry-standard plastic cassettes, the WHS-M1 integrates seamlessly into existing stage and transfer automation systems. It is available in 25-slot (8° slot profile) for automated applications and 13-slot (0° slot profile) for thin wafer handling. The cassette's all-aluminum construction, with hard clear (HC) anodized surfaces, ensures long-



lasting abrasion resistance, making it suitable for ISO 3 (FS209E Class 1) cleanroom environments.

Available in 76mm, 100mm, 150mm, and 200mm models, the WHS-M1 is offered with short lead times and at an economical price. For custom applications, the cassette can be ordered with electroless nickel plating (EN) for vacuum environments, double H-bar for flipping and inverting operations, alternative slot profiles for thicker substrates, and options for with or without end-wall handles. A small minimum order quantity is required for custom configurations.

The WHS-M1 excels in high-temperature environments where plastic cassettes fail, making it ideal for bake processes, precision handling of thin and thick wafers, and high wafer insertion temperatures.

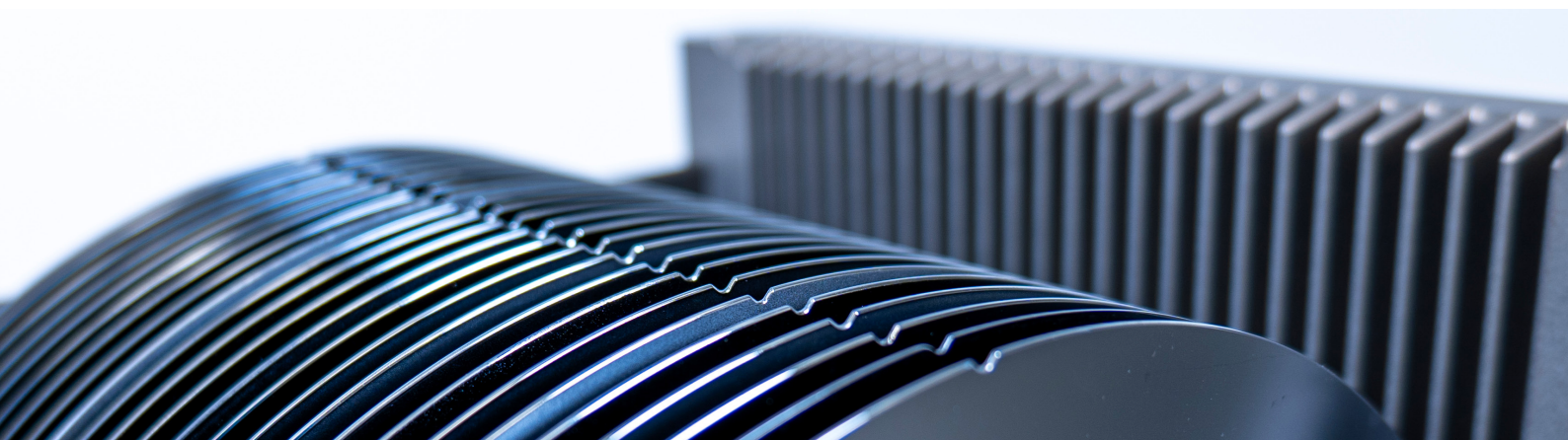
Manufactured in an ISO9001 certified facility and CE certified, the WHS-M1 meets global standards for quality and reliability, offering a high-performance solution for wafer handling in semiconductor process environments.

FEATURES AND ADVANTAGES

- Handles high-temperature processing up to 350°C
- Available in 76, 100, 150, and 200 mm sizes
- Hard anodized aluminum for durability in ISO 3 cleanrooms
- Custom options: nickel plating, double H-bar, and slot profiles
- Short lead times, economical pricing, and low MOQ for custom orders

ALUMINUM METAL CASSETTE

ITEM	SPECIFICATIONS
Wafer sizes	76, 100, 150, 200 mm
Material	T6061 aluminum alloy
Surface finish	(HC) hard clear anodization
Max temperature	350°C
Cleanliness	ISO 3 (Class 1 FS209E)
Custom configurations available (may incur minimum order quantity amounts): EN-electroless nickel plating on aluminum types for high-vacuum applications; flat profile slotting for thin or thick wafers; end-wall fixed handles; dual h-bar configurations for backside wafer processing. Please send your requests to sales@waferhandlingsystems.com	

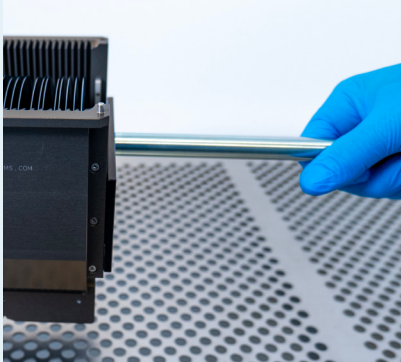
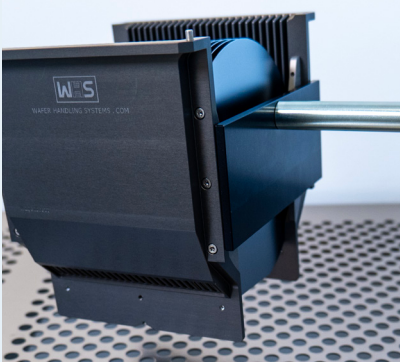
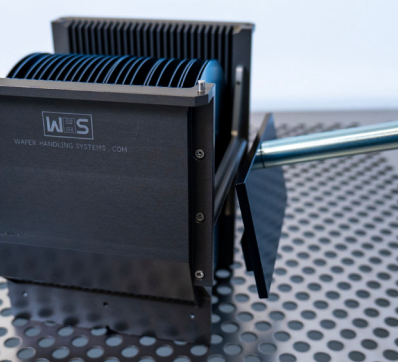
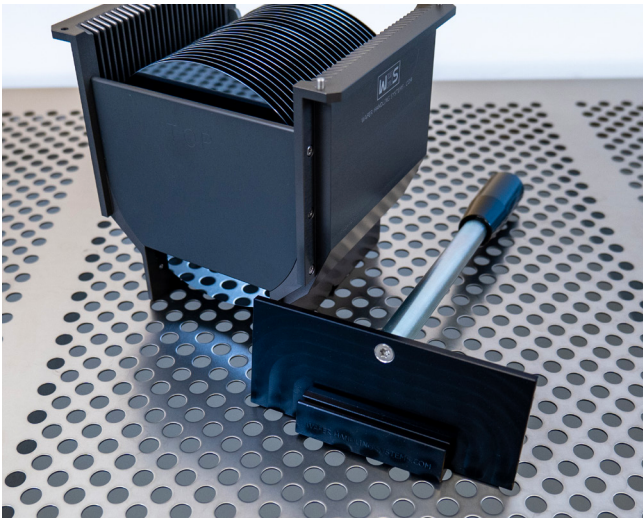


ORDERING INFORMATION

WHS-M1 -	1807750
CODE	MODEL
1807750	Process Aluminum Cassette, (Al, HC) 3" - 25 slot, slot-shape angular, cover-plate (top), H-bar (bottom)
1807762	Process Aluminum Cassette, (Al, HC) 4" - 25 slot, slot-shape angular, cover-plate (top), H-bar (bottom)
1807774	Process Aluminum Cassette, (Al, HC) 6" - 25 slot, slot-shape angular, cover-plate (top), H-bar (bottom)
1807787	Process Aluminum Cassette, (Al, HC) 8" - 25 slot, slot-shape angular, cover-plate (top), H-bar (bottom) with handle

ALUMINUM CASSETTE HANDLES STAINLESS STEEL

WHS - Wafer Handling Systems has developed advanced detachable cassette handles specifically for WHS-M1 style metal cassettes, enhancing operator safety and efficiency in high-temperature environments like ovens and process chambers. Designed for use on operator workstations or cool down acclimation work surfaces immediately post-bake, these handles can safely manage hot cassettes in a wafer vertical position. These handles feature ergonomic plastic pistol grips, available in single or dual designs, providing a convenient and secure method for handling aluminum process cassettes. The stainless-steel plate includes an interface channel, ensuring a secure connection with the cassette to prevent accidental drops. Constructed from advanced cleanroom materials, they are engineered to withstand thermal heat and minimize particle shedding.

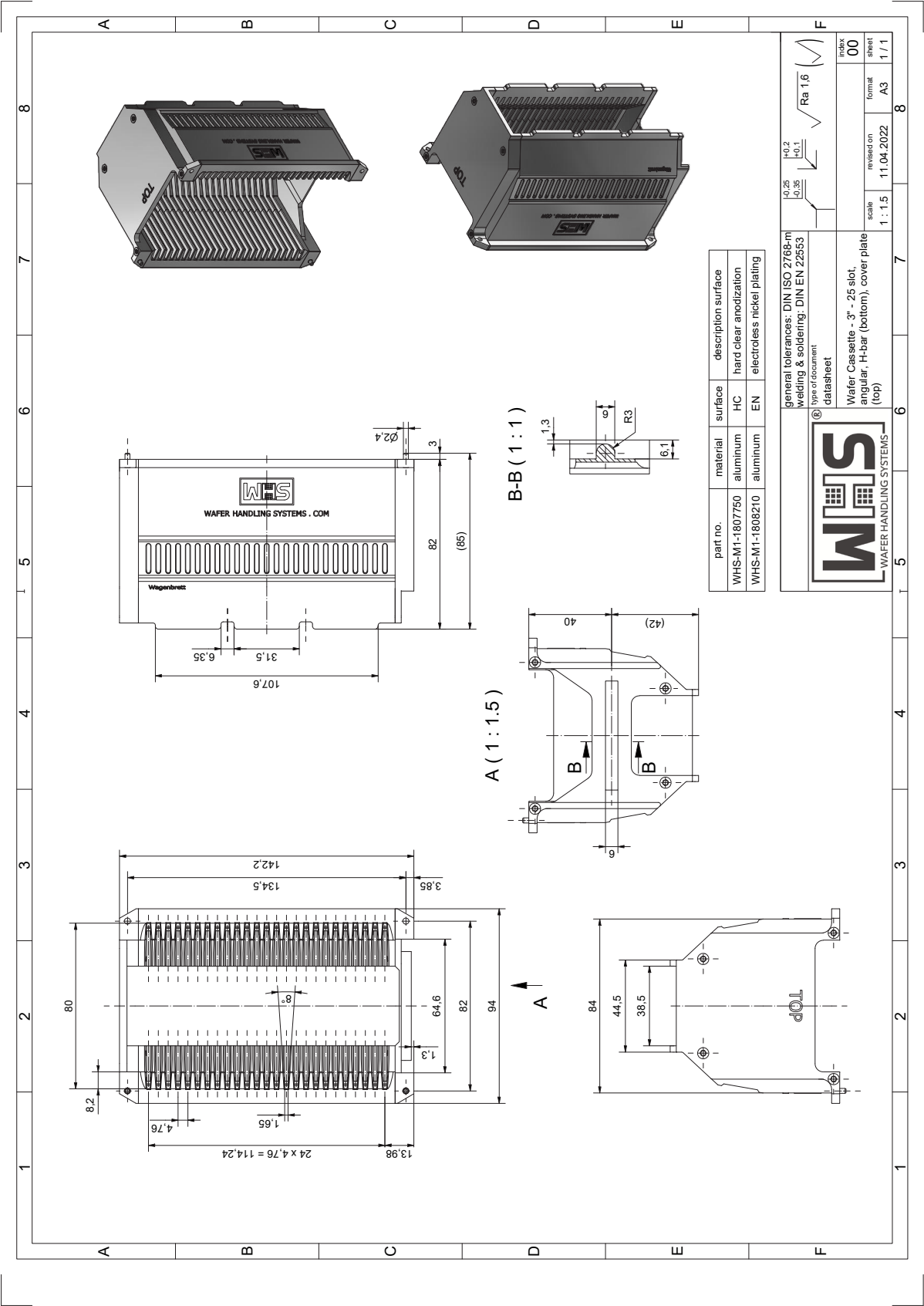


FEATURES AND ADVANTAGES

- Advanced safety handles for WHS-M1 cassettes
- Ergonomic pistol grip designs
- Interface channel for secure handling
- Cleanroom materials resist heat and minimize particles

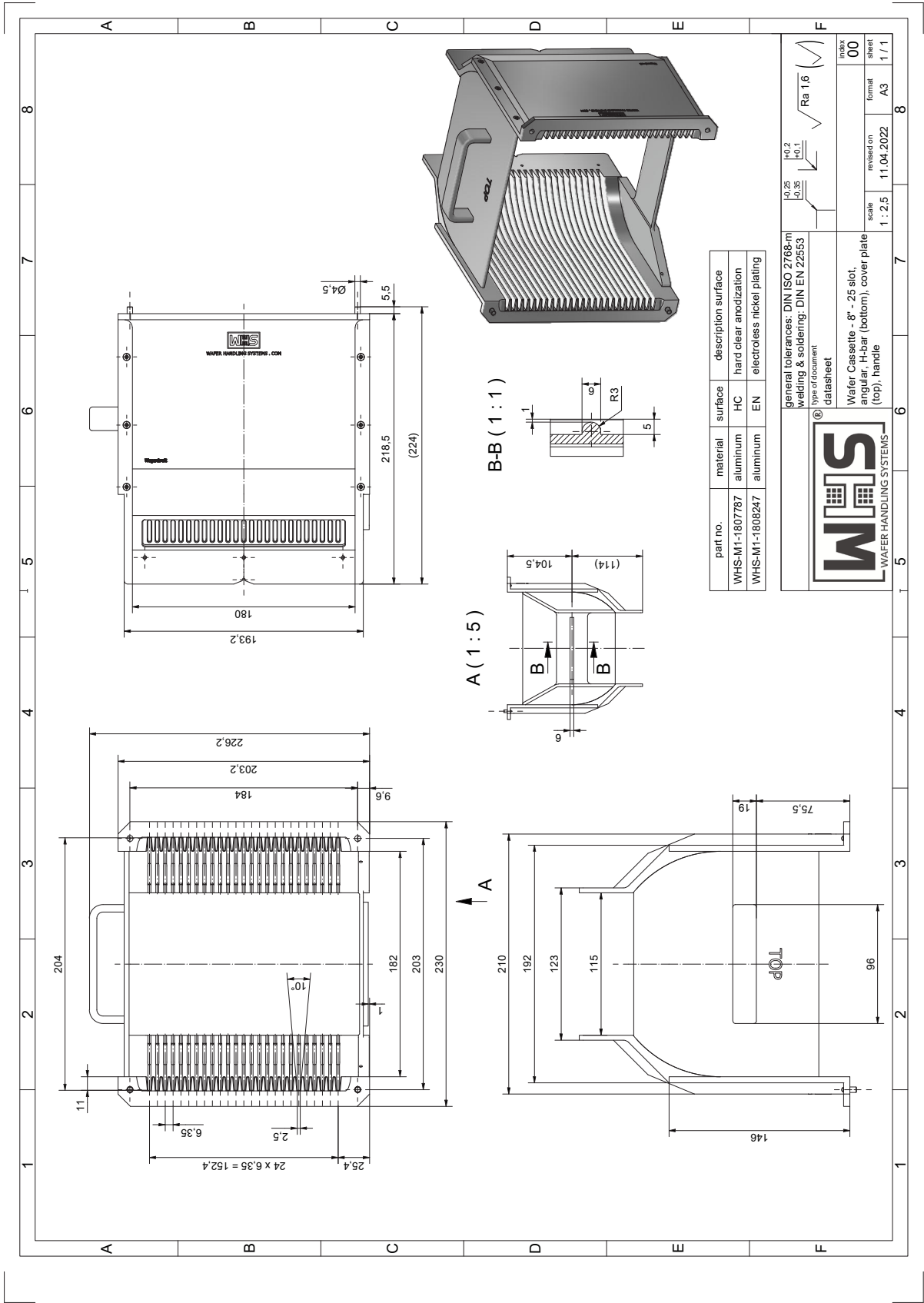
ORDERING INFORMATION

WHS-M1 -	H-6
CODE	MODEL
H-6	Aluminum cassette M1 style metal cassette handles 6" Stainless steel SST

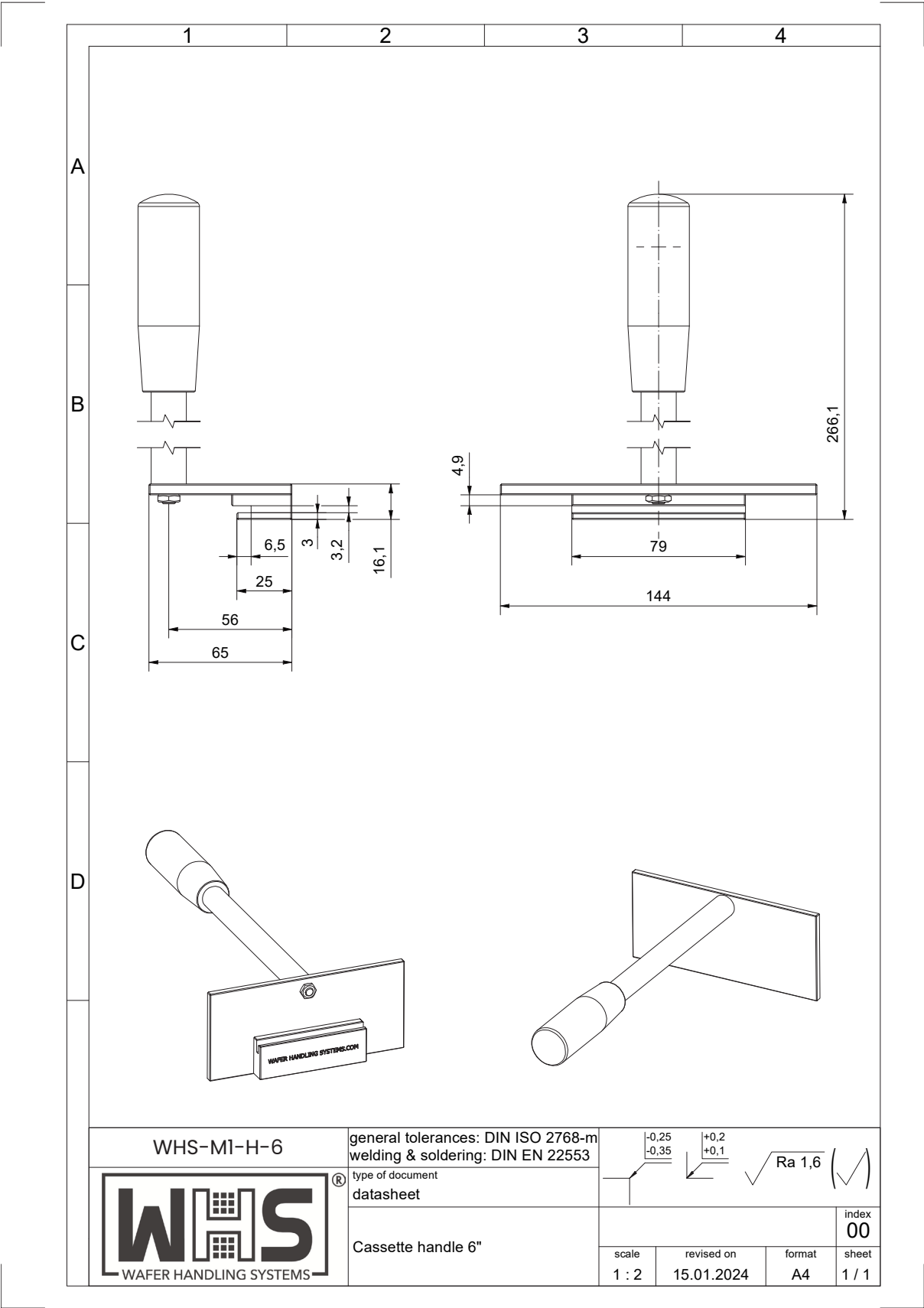








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