



CASTINGS &
INFRASTRUCTURE
PRODUCTS

5 SL Valve Box Parts Catalog 2025

NEK Castings and Infrastructure Products

About Us

We believe in maintaining the highest standards of quality in everything we do. Our commitment to integrity ensures that we deliver on our promises and build lasting relationships with our clients.

Our customers are at the heart of our business. We prioritize their needs and work closely with them to provide tailored solutions that meet their specific requirements.

We are dedicated to promoting sustainable practices in our operations and products. Our goal is to contribute to the creation of long-lasting, environmentally responsible infrastructure.

Our Mission

NEK Castings & Infrastructure Products is your trusted partner for high-quality castings. Our mission is to provide reliable and innovative products that support the growth and maintenance of essential infrastructure.

ASTM A48 CLASS 30 B

At NEK, we prioritize quality and durability, which is why we use cast iron per ASTM A48 Class 30B for our castings.

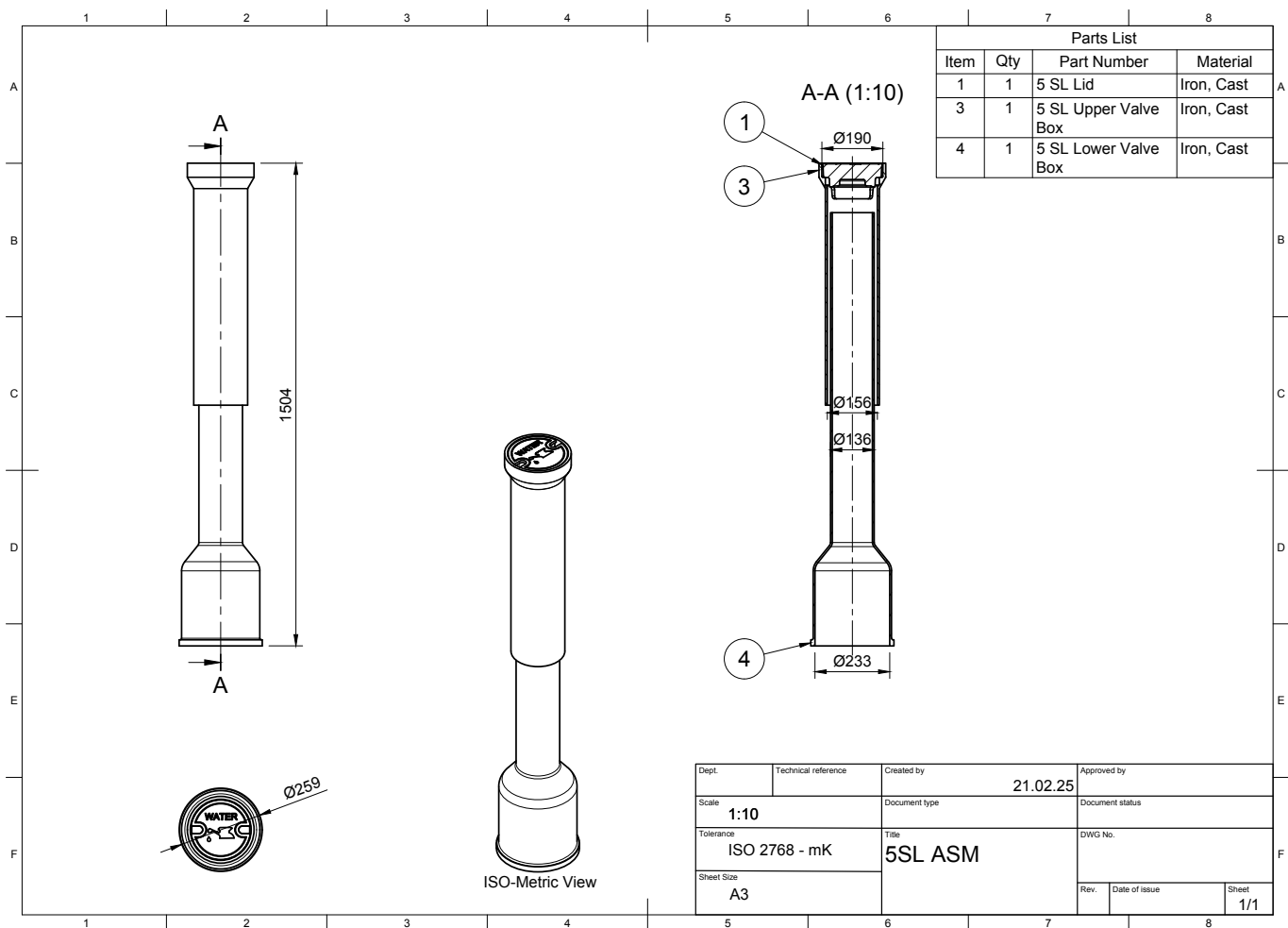
ASTM A48 Class 30B provides a tensile strength of 30,000 psi (207 MPa), ensuring robust performance in demanding applications.

With a Brinell hardness range of 174 to 210 BHN, this material is resistant to wear and tear, making it ideal for high-stress environments.

The thermal conductivity of ASTM A48 Class 30B ensures efficient heat dissipation, which is crucial for maintaining stability under temperature variations.

We serve a variety of industries including municipal sewer systems, industrial wastewater management, and large-scale infrastructure projects.





Contains

- 1 Valve Box Lid
- 2 Upper Valve Box
- 3 Upper Valve Box Extension
- 4 Lower Valve Box
- 5 Guide Plate

5 SL Valve Boxes

The 5 SL Valve Box System from NEK Castings & Infrastructure Products is a durable and adaptable solution designed to protect and provide access to underground valve assemblies.

This system includes a heavy-duty lid, upper valve box, upper valve box extension, lower valve box, and guide plate, all constructed from high-quality cast iron per ASTM A48 Class 30B. Engineered for strength and long-term reliability, these components seamlessly integrate to create a secure, stable, and easy-to-maintain enclosure for critical water and sewer infrastructure.

Designed for installations requiring increased depth and structural reinforcement, the 5 SL Valve Box System ensures valves remain accessible while protected from external pressures, debris, and environmental conditions. The tapered design of the valve boxes allows for precise stacking, while the guide plate ensures proper alignment and support. Whether used in municipal, industrial, or commercial applications, this system delivers superior durability, efficient maintenance access, and long-lasting performance for underground valve protection.

5 SL

+ Valve Box Lid



VIEW 3D MODEL

The 5 SL Lid from NEK Castings & Infrastructure Products offers a reliable and durable solution for covering and securing valve boxes in water management systems.

Crafted from high-quality cast iron per ASTM A48 Class 30B, this lid ensures exceptional strength, durability, and resistance to harsh conditions.

Clear Identification: Marked with "WATER" and an icon for quick and easy recognition during inspections and maintenance.

Standards: Complies with ASTM A48 Class 30B specifications, ensuring high quality and performance.

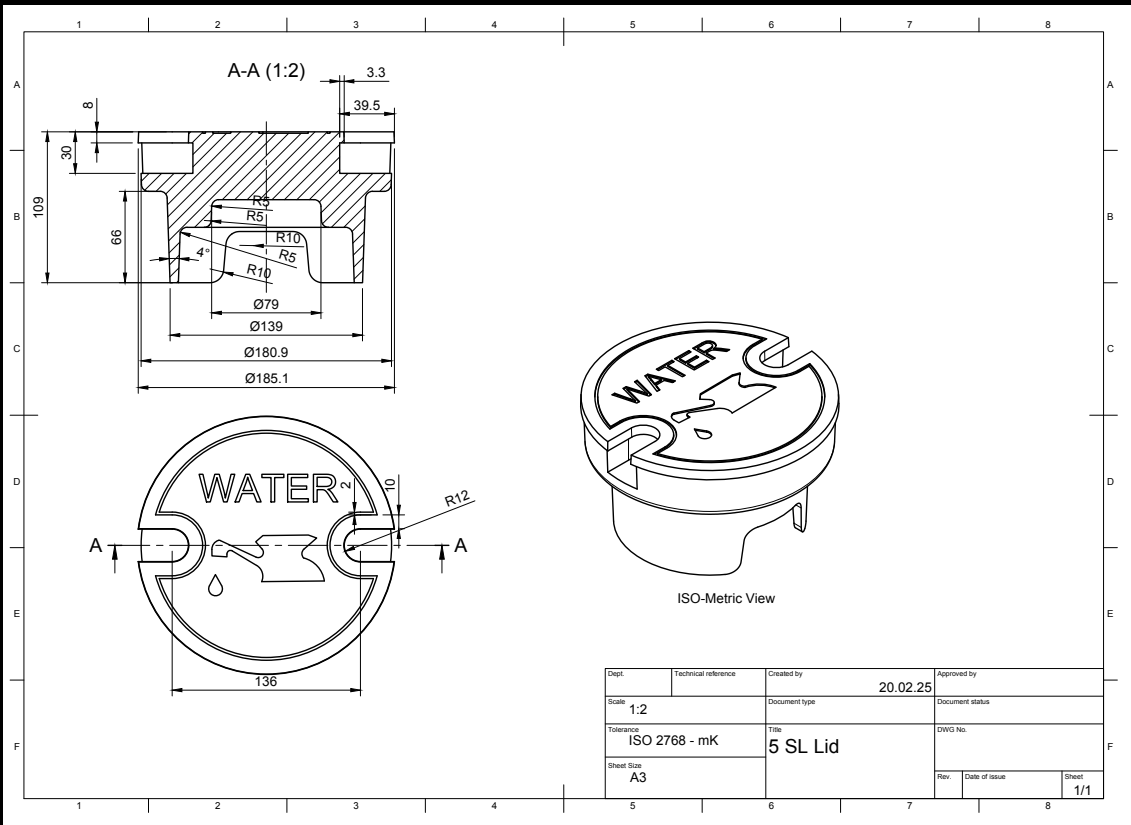
Quality Control: Rigorous testing for tensile strength, hardness (174-210 BHN), and structural integrity.

Outer Diameter 152 mm

Total Height 83 mm

Lid Thickness 16 mm

Base Width 139 mm



5 SL

+ Upper Valve Box


[VIEW 3D MODEL](#)

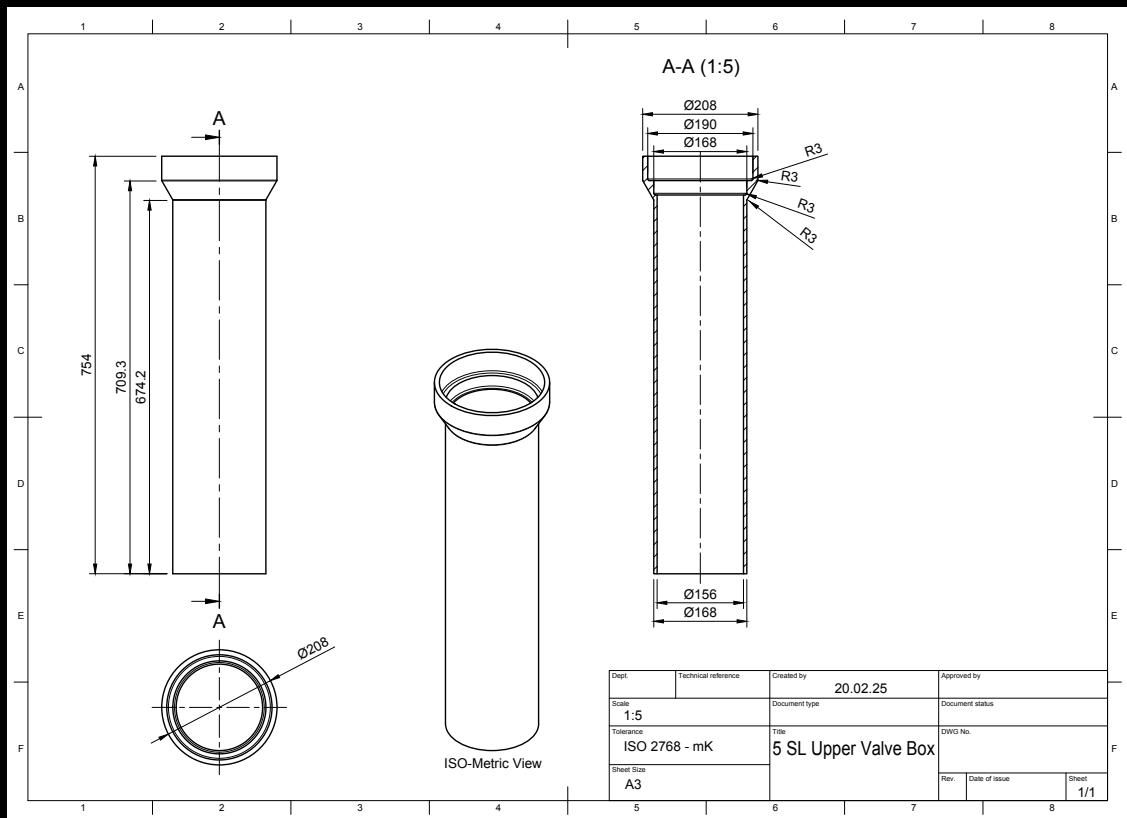
The 5 SL Upper Valve Box from NEK Castings & Infrastructure Products is a robust and reliable solution for housing and protecting critical valve components.

Made from cast iron with a tensile strength of 30,000 psi (207 MPa), the upper valve box can withstand heavy loads and external pressures.

Corrosion Resistance: Designed to resist rust and degradation, ensuring a long service life even in harsh environmental conditions.

Precision Fit: Engineered for compatibility with 5 SL Lower Valve Boxes, ensuring seamless integration into existing systems.

Outer Diameter (Top)	208 mm
Inner Diameter (Top)	190 mm
Inner Diameter (Base)	156 mm
Outer Section (Height)	89 mm
Total Height	754 mm
Wall Thickness	6 mm
Flange Thickness	12 mm
Weight	19 kg



5 SL

+ Upper Valve Box Extension



VIEW 3D MODEL

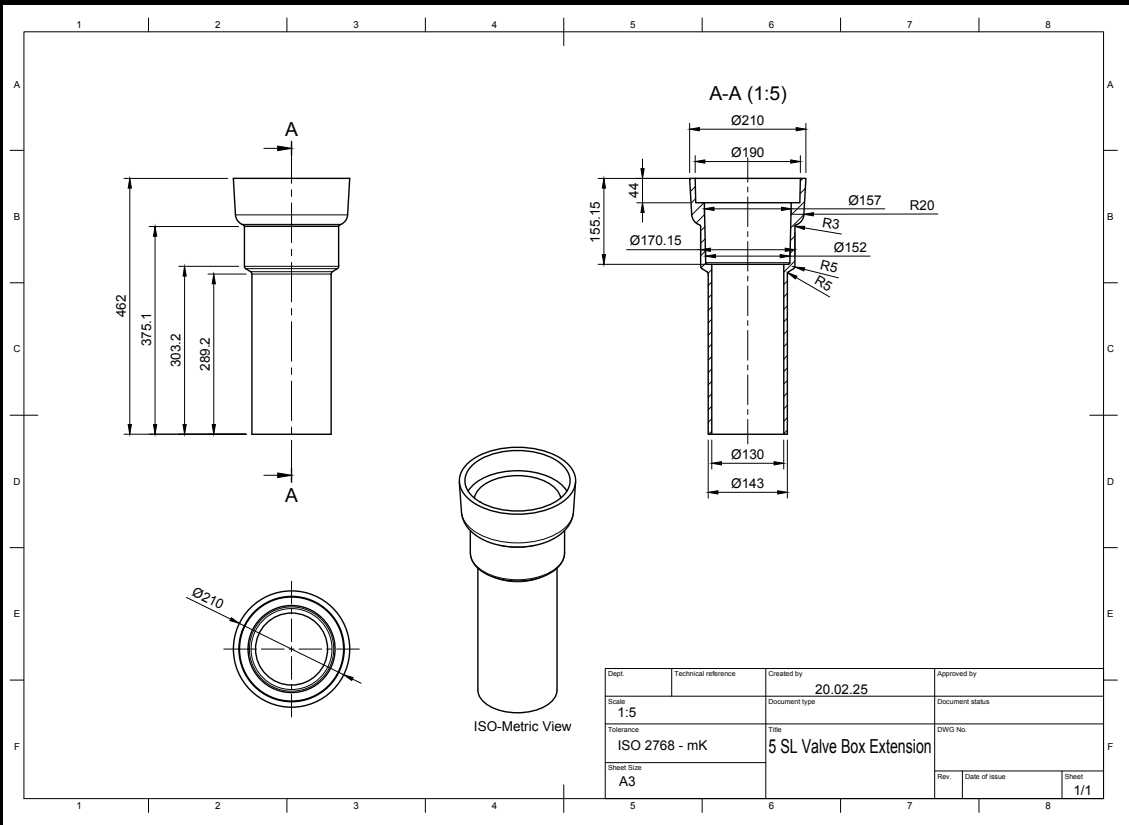
The 5 SL Valve Box Extension from NEK Castings & Infrastructure Products is a critical addition to your valve box system, providing flexibility and adaptability for deeper installations. Built from premium cast iron per ASTM A48 Class 30B, this extension ensures a secure fit, durability, and long-lasting performance in demanding environments.

Adjustable Depth: Extends the valve box system to accommodate deeper installations, ensuring easy ground-level access to critical valves.

Durability and Stability: Manufactured from high-strength cast iron, the extension is built to endure external pressures and environmental conditions.

Seamless Integration: Precision design ensures compatibility with 5 SL Upper and Lower Valve Boxes, maintaining structural integrity and reliability.

Outer Diameter (Top)	210 mm
Inner Diameter (Top)	190 mm
Inner Diameter (Base)	130 mm
Outer Diameter (Base)	143 mm
Total Height	462 mm
Wall Thickness	6 mm
Extension Height	170 mm
Weight	14 kg



5 SL

+ Lower Valve Box



VIEW 3D MODEL

The 5 SL Lower Valve Box from NEK Imports & Trading is designed to provide robust and reliable housing for valve systems in sewer infrastructures. Crafted from high-quality cast iron per ASTM A48 Class 30B, this valve box ensures durability, strength, and long-lasting performance.

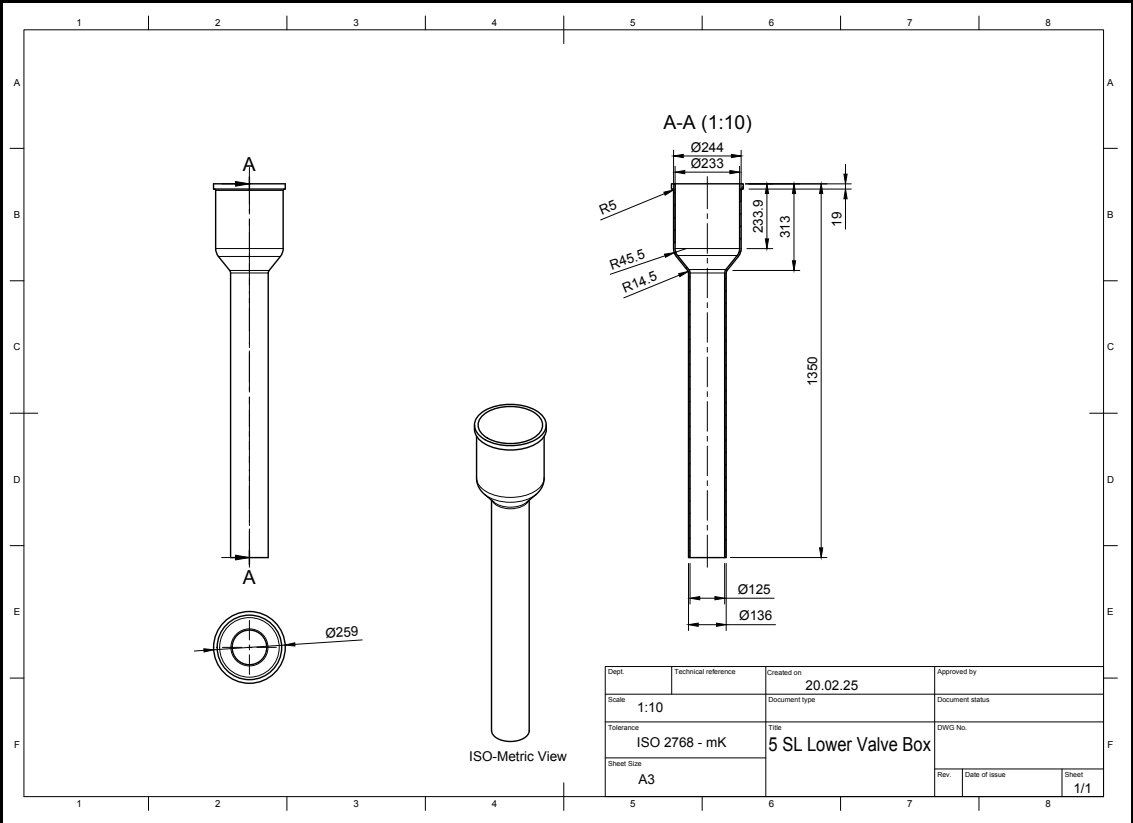
Features radii of R50, R35, and R20 for enhanced structural integrity.

A tapered design for stability and ease of installation.

Standards: Complies with ASTM A48 Class 30B specifications, ensuring high quality and performance.

Quality Control: Rigorous testing for tensile strength, hardness (174-210 BHN), and structural integrity.

Top Outer Diameter	259 mm
Top Inner Diameter	233 mm
Middle Diameter	246 mm
Lower Inner Diameter	125 mm
Lower Outer Diameter	136 mm
Total Height	1350 mm
Thickness	5.5 mm
Length	914 mm
Weight	30 kg



5 SL

+ Guide Plate


[VIEW 3D MODEL](#)

The Guide Plates from NEK are meticulously engineered to provide secure and stable support for various piping systems. Crafted from high-quality cast iron per ASTM A48 Class 30B, these guide plates ensure durability and long-lasting performance in demanding environments.

Durability and Strength: Made from cast iron with a tensile strength of 30,000 psi (207 MPa), ensuring it can withstand high pressure and harsh conditions.

Corrosion Resistance: Excellent resistance to corrosion, making it suitable for use in various environmental conditions.

Precision Engineering: Detailed design and accurate dimensions ensure perfect fit and stability, enhancing the overall performance of your piping systems.

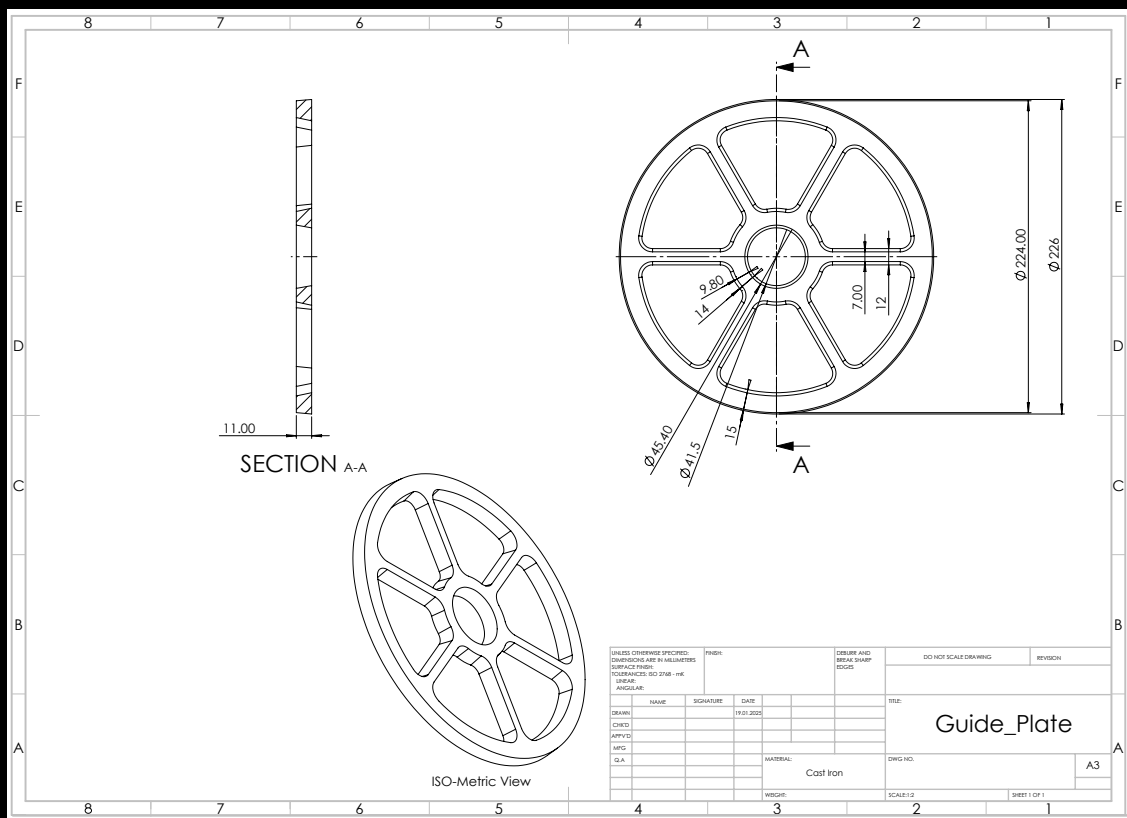
Outer Diameter 224 mm

Inner Diameter 41.5 mm

Thickness 11 mm

Total Height 92 mm

Various radii and thickness





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