



**UNIVERSE**

## **CONCRETE: PAD CAPS AND RETAINER RINGS**

### **AZA1162**

The AZA-LAB Concrete Pad Caps & Retainer Rings Set (AZA1162) is a high-precision system designed for accurate and repeatable compressive strength testing of concrete cylinders. Serving as a superior alternative to traditional sulfur capping, this system enables clean, safe, and efficient unbonded capping using neoprene pad inserts.

Engineered in compliance with ASTM C1231 and AASHTO T22, the system ensures uniform load distribution across specimen surfaces, improving test consistency and reliability. The precision-machined retainer rings and durable neoprene pads work together to compensate for minor surface irregularities, eliminating the need for time-consuming surface preparation.



#### **Key Applications**

- Concrete testing laboratories (QA/QC)
- Construction site quality assurance programs
- Precast and ready-mix concrete plants
- Government and third-party testing agencies
- Academic and research institutions

#### **Compliance & Standards**

- ASTM C1231 – Use of Unbonded Caps in Determination of Compressive Strength
- AASHTO T22 – Compressive Strength of Cylindrical Concrete Specimens



**UNIVERSE**

**TECHNICAL SPECIFICATIONS**

<b>Parameter</b>	<b>Specification</b>
Model No.	AZA1162
Product Type	Pad Caps & Retainer Rings Set
Standards Compliance	ASTM C1231, AASHTO T22
Retainer Ring Material	Plated high-alloy steel
Pad Material	Neoprene elastomer
Pad Durometer Options	50 / 60 / 70
Machining Tolerance	≤ 0.002" flatness
Compatibility	4" × 8" and 6" × 12" cylinders
Reusability	Rings reusable; pads replaceable
Package Contents	2 Retainer Rings + 2 Neoprene Pads
Application	Concrete compressive strength testing

UNIVERSE