

# XL-Crucibles

high capacity isostatically pressed crucibles

## Introduction

XL - Crucibles are premium quality, high capacity, clay graphite crucibles with a high silicon carbide and graphite content that is manufactured through an advanced iso-static pressing process.

Morgan Molten Metal Systems uses a proprietary processing technology that results in a product with a very homogenous and high density structure. This allows the crucible to obtain superior thermal conductivity over its entire operating temperature range, high mechanical strength and erosion resistance along with good thermal shock resistance. These properties translate into a durable and robust crucible with excellent performance characteristics.



## Applications

XL - Crucibles are designed to perform exceptionally well to melt and hold aluminium and aluminium alloys in electric resistance furnaces.

## Typical Metal Casting Temperature

**VALuStar Grade:** 700°C - 1000°C (1292°F - 1832°F)

**Z2e<sup>2</sup> Grade:** 400°C - 1100°C (752°F - 2012°F)

## Performance Characteristics

- High capacity
- Very good thermal conductivity
- Very good resistance to chemical attack
- Good thermal shock resistance
- High mechanical strength and good erosion resistance

## Identification

XL - Crucibles are finished with a grey (Z2e<sup>2</sup>)/ blue (VALuStar) Low Temperature Protection (LTP) coating.

## Pattern Range

Size	B SF ISO			SYL SYNCARB		
	H (mm)	D (mm)	d (mm)	H (mm)	D (mm)	d (mm)
1525	1050	1525	650			
1450 x 1270				1450	1270	1160

## Quality

XL - Crucibles are manufactured from premium grade raw materials under an ISO 9001:2015 quality management system.

For more information, contact us today.