

# Special High Grade Zinc (SHG) 99.995%

## Technical Datasheet

### Uses

Zinc ingots of high purity for tube, wire, sheet or general galvanizing.

Nyrstar A-Z Z1 (99.995%) is an LME- and SHFE-approved brand, conforming to the specifications covering quality, shape and weight as defined by the special contract rules of the LME and SHFE Standards.

### Chemical specification

Chemical specification	Guaranteed analysis
Pb	≤ 0.003%
Cd	≤ 0.002%
Fe	≤ 0.001%
Sn	≤ 0.001%
Cu	≤ 0.001%
Al	≤ 0.001%
Total of 6 elements above Zn, min.	≤ 0.005%
	99.995%

### Standards

Standard	Grade (slabs only)
International ISO752:2004 China GB/T 470:2008 European EN1179:2003 Japanese JIS H2107-2015 American ASTM B6:18 (UNS)	ZN-1 Zn99.995 Z1 Highest Pure Zinc Metal LME (Z12002)

### Physical data

Physical property	Unit	Value
Density solid	kg/dm <sup>3</sup>	7.14
liquid (@ 419°C)	kg/dm <sup>3</sup>	6.62
Melting point	°C	419
Superficial tension (@ 450°C)	N/m	0.78
Melting enthalpy	kJ/kg	100
Thermal capacity solid	J/kg K	460
liquid	J/kg K	628

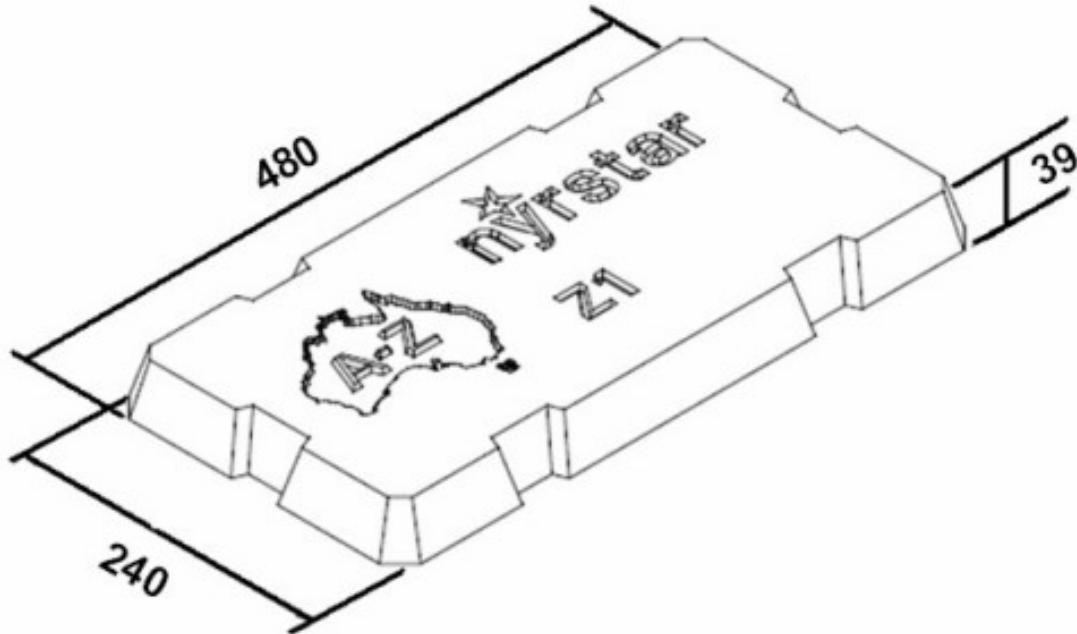
### Available shapes/package

Shape/package	Nominal weight (in kg)	Dimensions (in mm)
Slab	26	480 x 240 x 39
Slab bundle (40 slabs per bundle)	1040±70	960 x 480 x 430
L block	1135±45	1820 x 455 x 260
D block/ ASTM Jumbo Ingot	1089±45	1240 x 500 x 330

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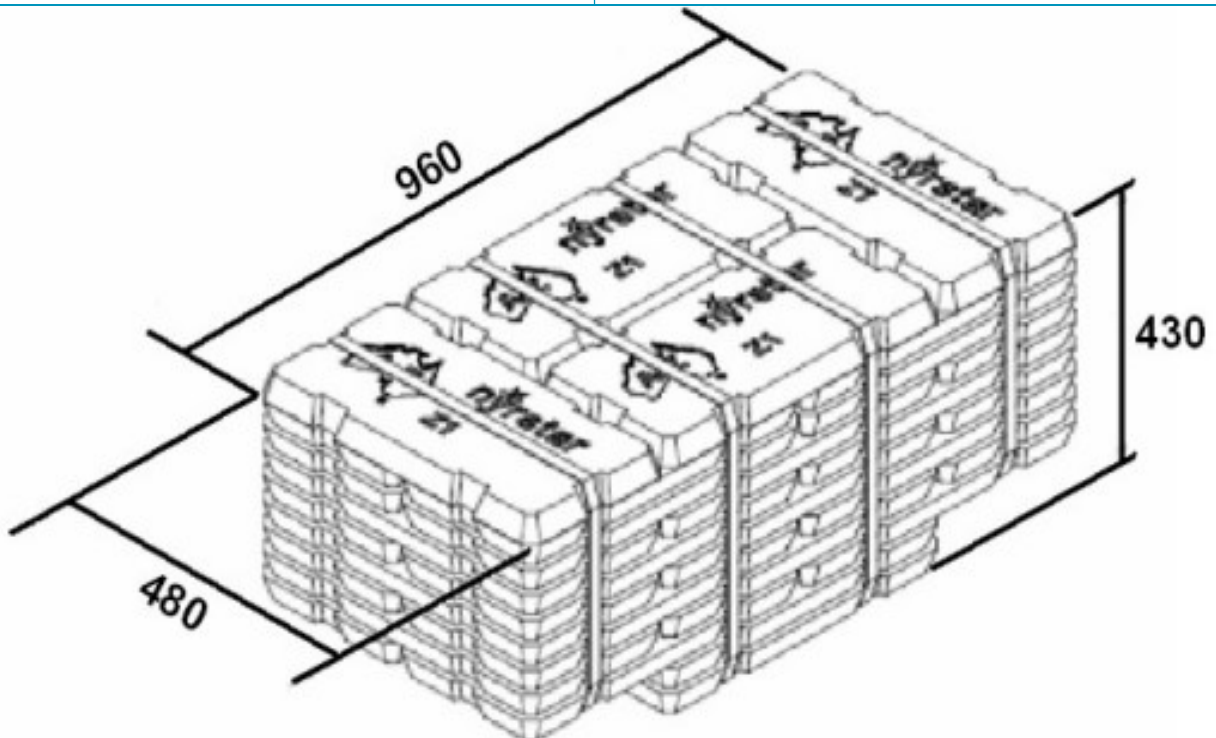
Slab

Nominal mass 26kg  
Dimensions 480 x 240 x 39



Slab bundle (40 slabs per bundle)

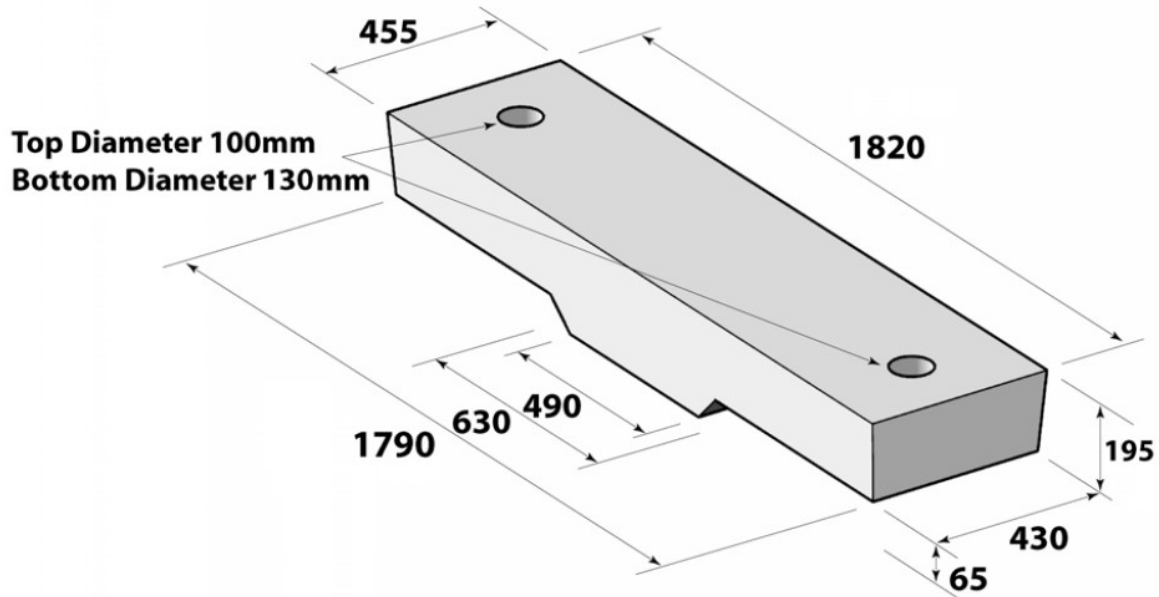
Nominal mass 1040kg±70kg  
Dimensions 960 x 480 x 430



# Special High Grade Zinc (SHG) 99.995% Technical Datasheet

L block (Jumbo), 2 holes  
Australia

Nominal mass 1135±45kg  
Dimensions 1820 x 455 x 260



D block/ ASTM Jumbo Ingot  
Australia

Nominal mass 1089±45kg  
Dimensions 1240 x 500 x 330

