

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	Typical SHG analysis (2016)
Pb	≤ 0.003%	0.0021%
Cd	≤ 0.003%	0.0005%
Fe	≤ 0.002%	0.0003%
Sn	≤ 0.001%	<0.0004%
Cu	≤ 0.001%	0.0002%
Al	≤ 0.001%	0.0002%
Total of 6 elements above Zn, min.	≤ 0.005%	<0.0038%
	99.995%	

Standards

Standard	Grade
International ISO752:2004 China GB/T 470:2008 European EN1179:2003 Japanese JIS H2107-1957 American ASTM B6:07 (UNS)	ZN-1 Zn99.995 Z1 Highest Pure Zinc Metal LME (Z12002)

Physical data

Physical property	Unit	Value
Density solid	kg/dm ³	7.14
liquid (@ 419 °C)	kg/dm ³	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

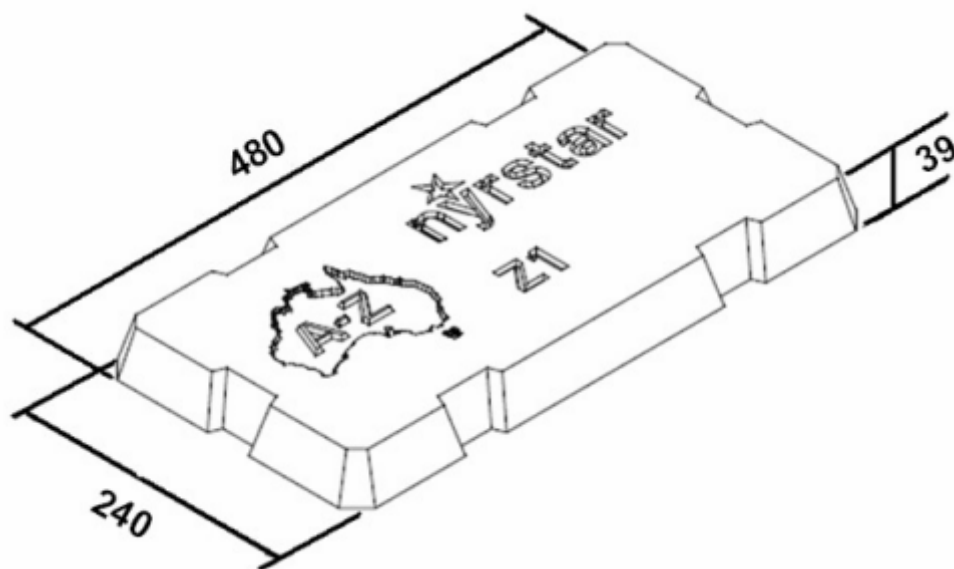
Shape/package	Nominal weight (in kg)	Dimensions (in mm)
Slab	26	480 x 240 x 39
Slab bundle (40 slabs per bundle)	1040	960 x 480 x 430
L block	1135 ± 45	1820 x 455 x 260
G block	1089 ± 30	1410 x 460 x 290

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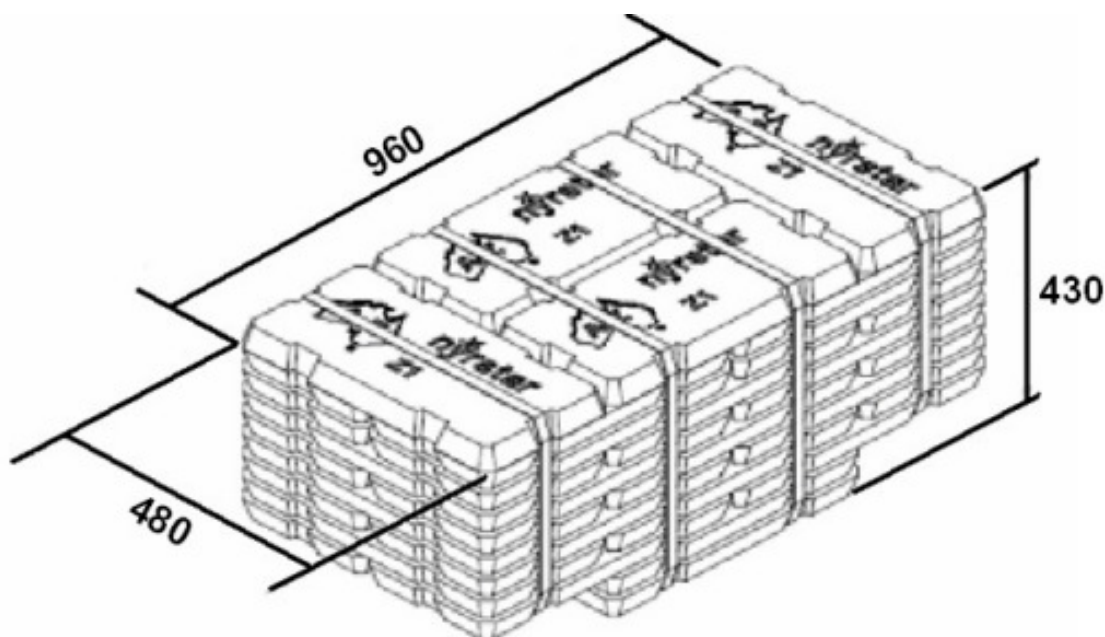
Slab (Ingot)

Nominal mass 26 kg
Dimensions 480 x 240 x 39



Slab bundle (40 slabs per bundle)

Nominal mass 1040kg
Dimensions 960 x 480 x 430

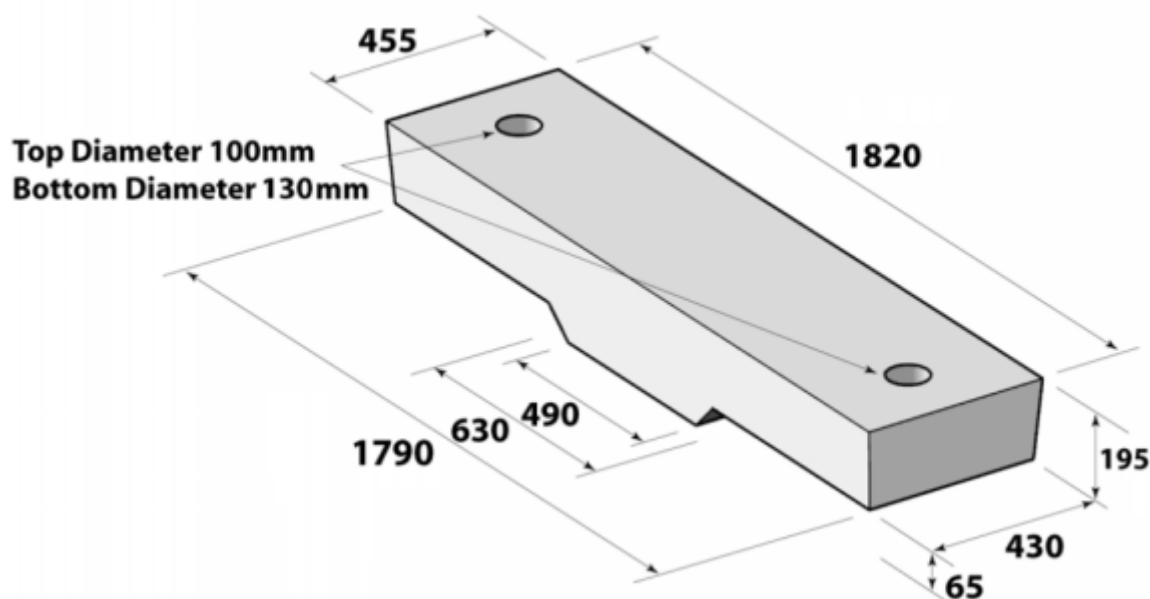


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L block (jumbo)

Nominal mass $1135 \pm 45\text{kg}$
Dimensions $1820 \times 455 \times 260$

**G block (jumbo)**

Nominal mass $1089 \pm 30\text{kg}$
Dimensions $1410 \times 460 \times 290$

