

Special High Grade Zinc (SHG) 99.995%

Technical Datasheet

Uses

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

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

Chemical specification

Chemical specification	Guaranteed analysis	Typical SHG analysis
Pb	≤ 0.003%	0.0018%
Cd	≤ 0.003%	0.0002%
Fe	≤ 0.002%	0.0002%
Sn	≤ 0.001%	0.0002%
Cu	≤ 0.001%	0.0002%
Al	≤ 0.001%	0.0001%
Total of 6 elements above Zn, min.	≤ 0.005%	0.0027%
	99.995%	

Standards

Standard	Grade
European EN1179:2003 International ISO752:2004 Japanese JIS H2107-1957 American ASTM B6:07 (UNS)	Z1 ZN-1 Highest Pure Zinc Metal LME (Z12002)

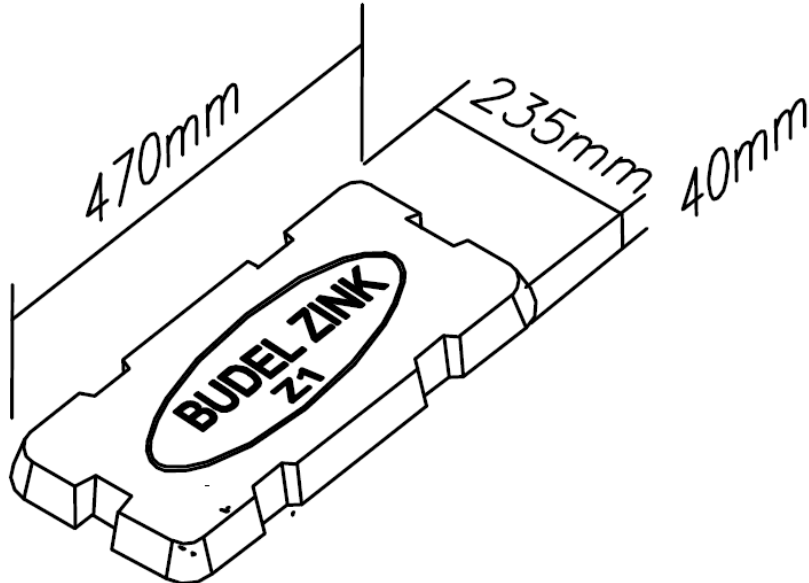
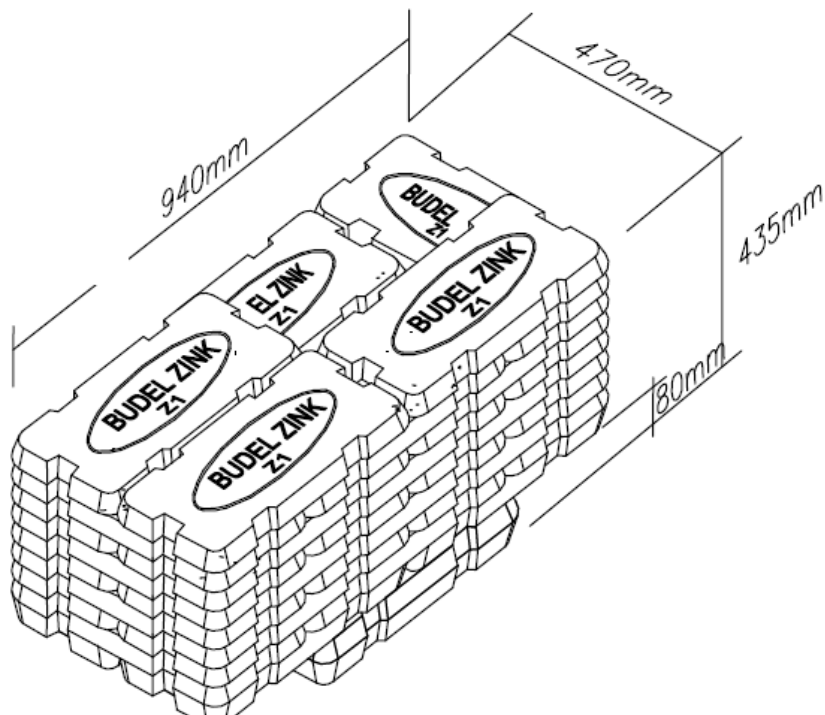
Physical data

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

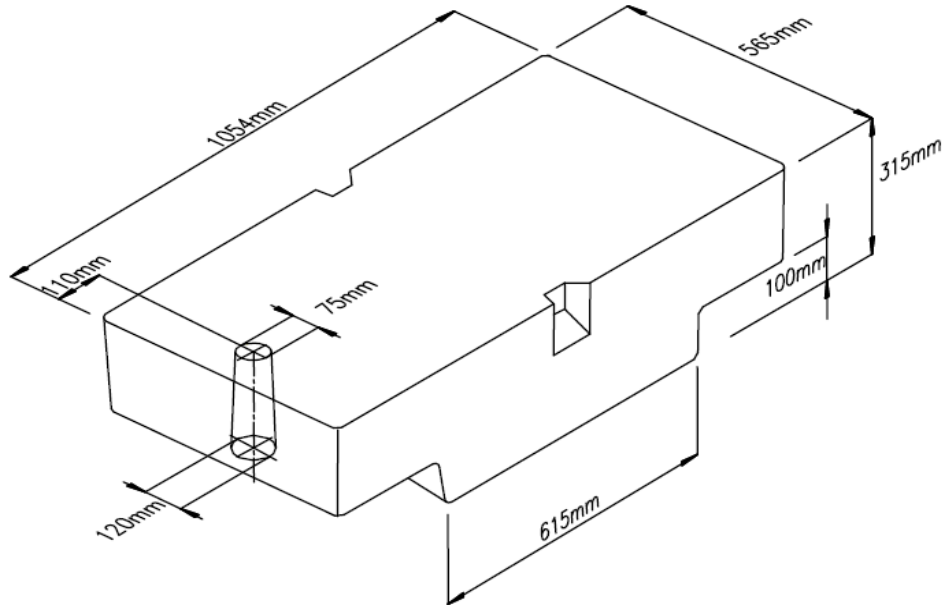
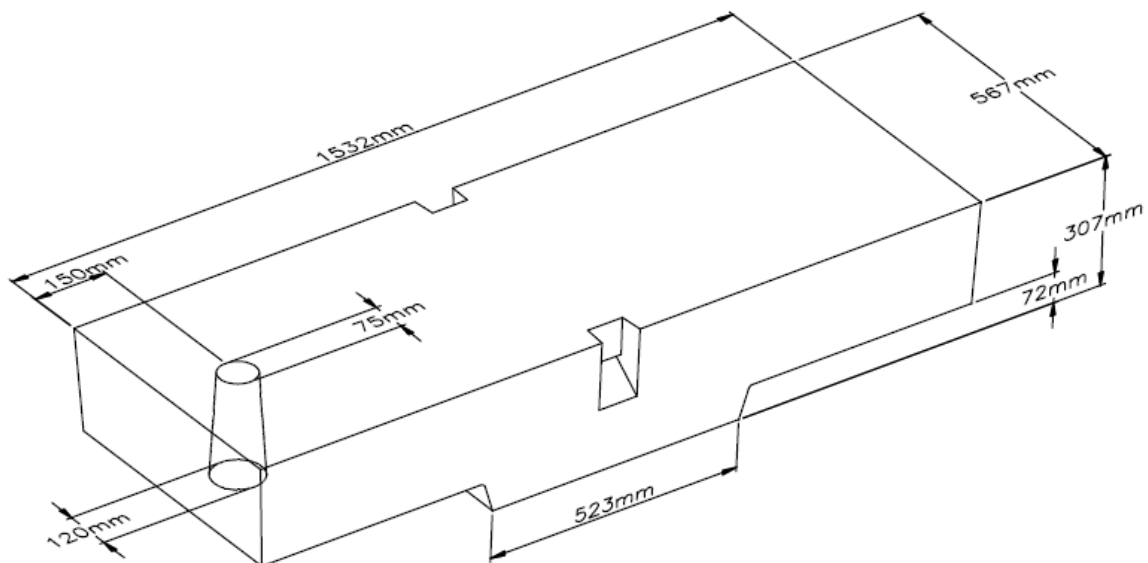
Available shapes/package

Shape/package	Nominal weight (in kg)	Dimensions (in mm)
Slab	25	470 x 235 x 40
Slab bundle (40 slabs per bundle)	1000 ± 100	940 x 470 x 435
Block Jumbo 1000 kg	1000 ± 50	1054 x 565 x 315
Block Jumbo 1450 kg	1400 ± 100	1532 x 567 x 307
Block Jumbo 1950 kg	1950 ± 50	2135 x 490 x 370
Block Jumbo 4050 kg	4050 ± 250	2380 x 615 x 505

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Slab**Nominal mass 25 kg**
Dimensions 470 x 235 x 40**Slab bundle (40 slabs per bundle)****Nominal mass 1000 ± 100 kg**
Dimensions 940 x 470 x 435

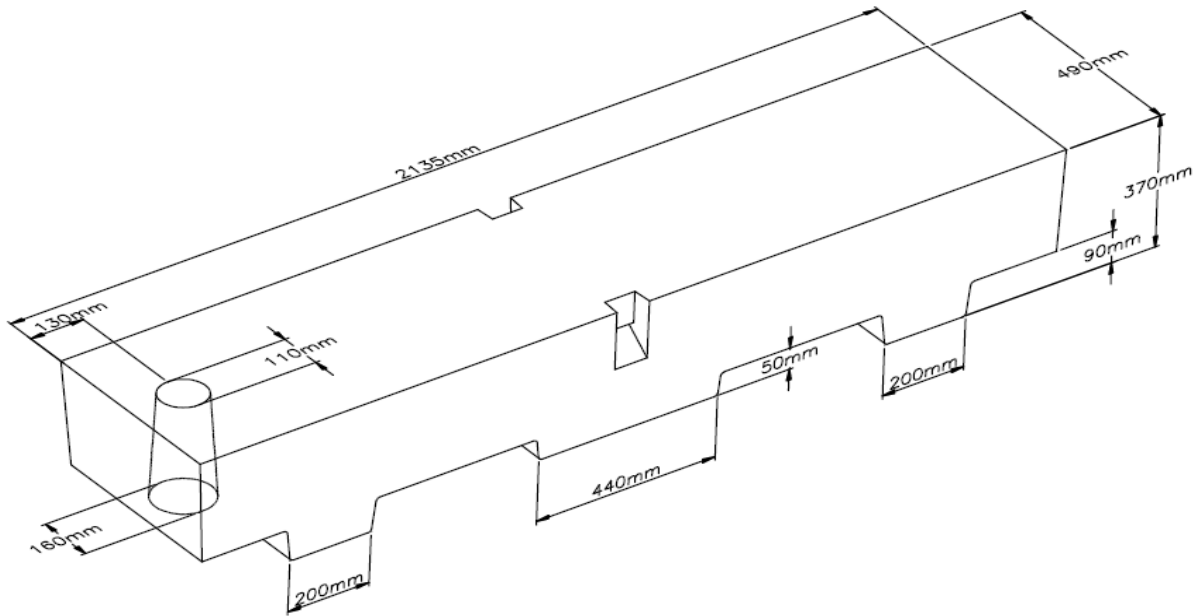
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Block (Jumbo) 1000 kg**Nominal mass 1000 ± 50 kg**
Dimensions 1054 x 565 x 315**Block (Jumbo) 1450 kg****Nominal mass 1400 ± 100 kg**
Dimensions 1532 x 567 x 307

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Block (Jumbo) 1950 kg

Nominal mass 1950 ± 50 kg
Dimensions 2135 x 490 x 370



Block (Jumbo) 4000 kg

Nominal mass 4050 ± 250 kg
Dimensions 2380 x 615 x 505

