Special High Grade Zinc (SHG) 99.995%
Technical Datasheet

Uses

Zinc ingots of high purity (99.995%) for tube, wire, sheet or general galvanizing.
AZ-SHG Zn 99995 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%	0.0023%
Cd	≤ 0.002%	0.0005%
Fe	≤ 0.002%	0.0003%
Sn	≤ 0.001%	0.0003%
Cu	≤ 0.001%	0.0002%
Al	≤ 0.001%	0.0001%
Total of 6 elements above	≤ 0.005%	0.0041%

Standards

Standard	Grade
International ISO752-2004 European EN1179:2003 Japanese JIS H2107-1957 American ASTM B6:07	Zn 99.995 Z1 Highest Pure Zinc Metal SHG

Physical data

Physical property	Unit	Value
Density solid	kg/dm³	7.14
liquid (@ 419°C)	kg/dm³	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	481 x 240 x 39
Slab bundle (40 slabs per bundle)	1040	963 x 481 x 429
L block	1135 ± 45	1820 x 455 x 260
G block	1089 ± 30	1410 x 460 x 290

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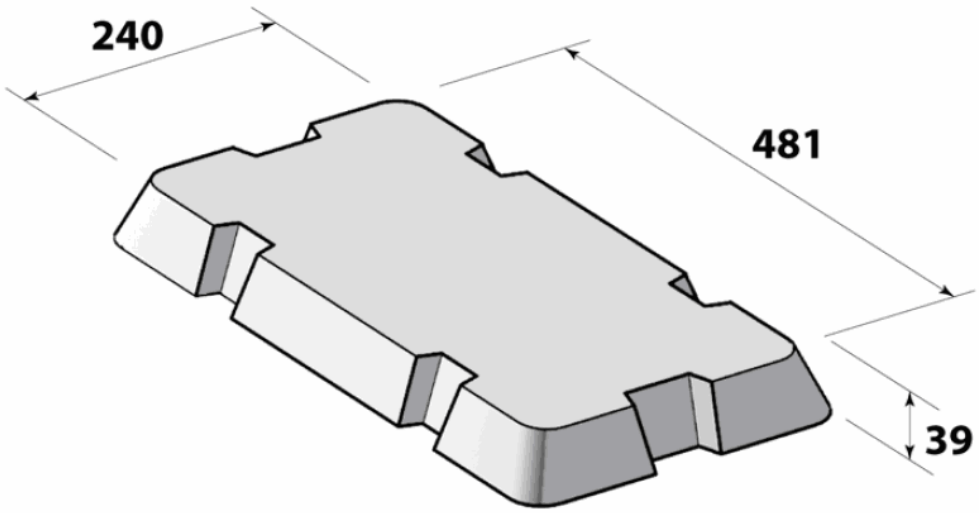
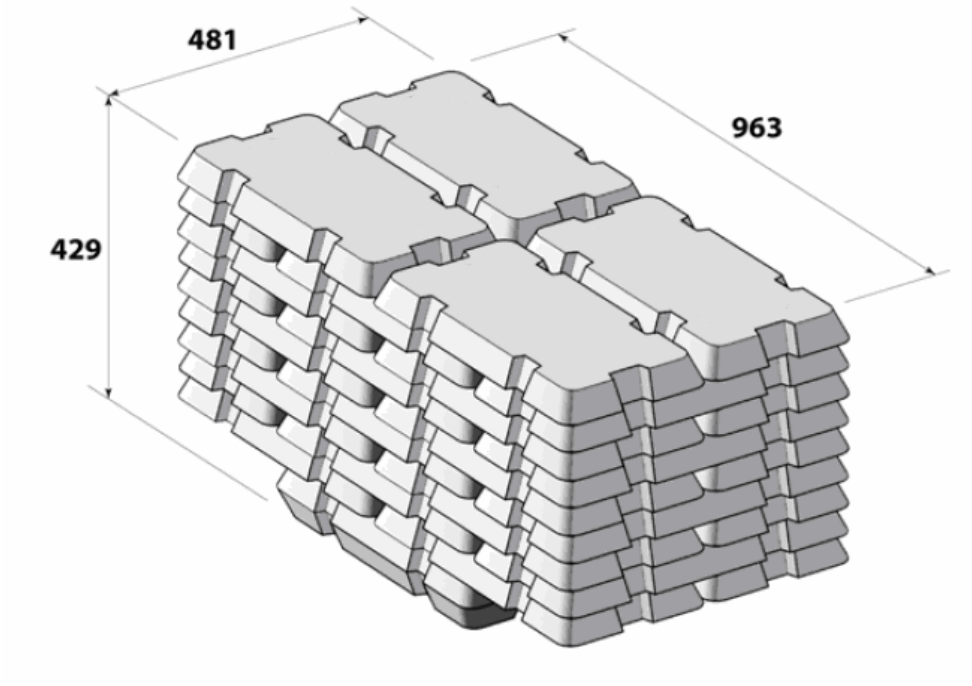
Slab	Nominal mass 26 kg Dimensions 481 x 240 x 39



Slab bundle (40 slabs per bundle)	Nominal mass 1040 kg Dimensions 963 x 481 x 429



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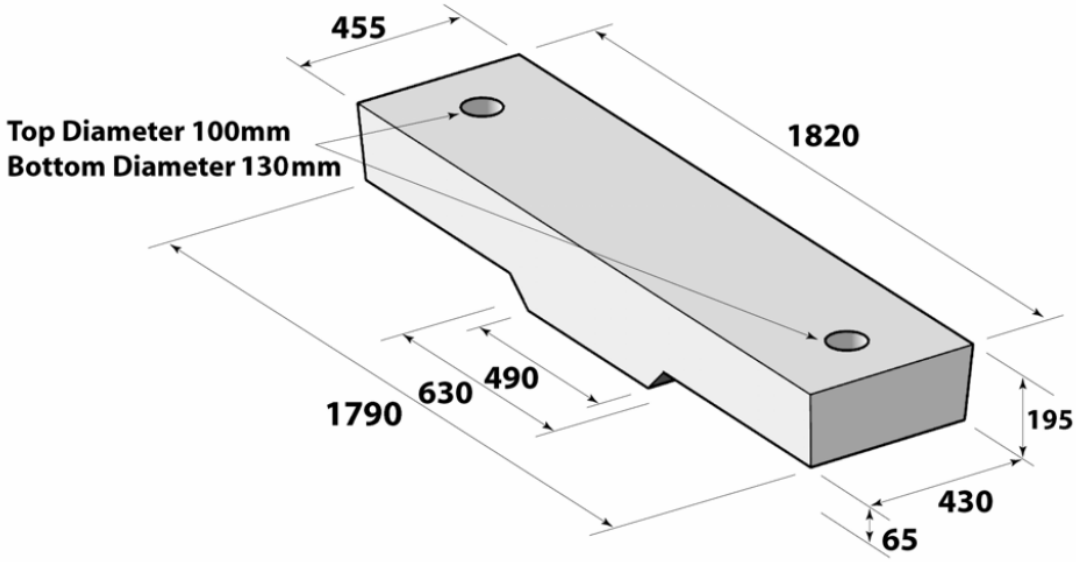
L block (jumbo)	Nominal mass 1135 ± 45kg Dimensions 1820 x 455 x 260



G block (jumbo)	Nominal mass 1089 ± 30kg Dimensions 1410 x 460 x 290