Zinc-Aluminium alloys (Zn-Al)
Technical Datasheet

Uses

Pre-alloyed (lead free) Zinc-Aluminium alloy is suitable for continuous galvanizing of iron and steel products.

Chemical specification

Chemical specification	Guaranteed analysis	Tolerance
Al	0.25-0.80%	± 0.05%
Pb	≤ 0.003%	
Cd	≤ 0.002%	
Fe	≤ 0.002%	
Sn	≤ 0.001%	
Cu	≤ 0.001%	
Zn	balance	

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

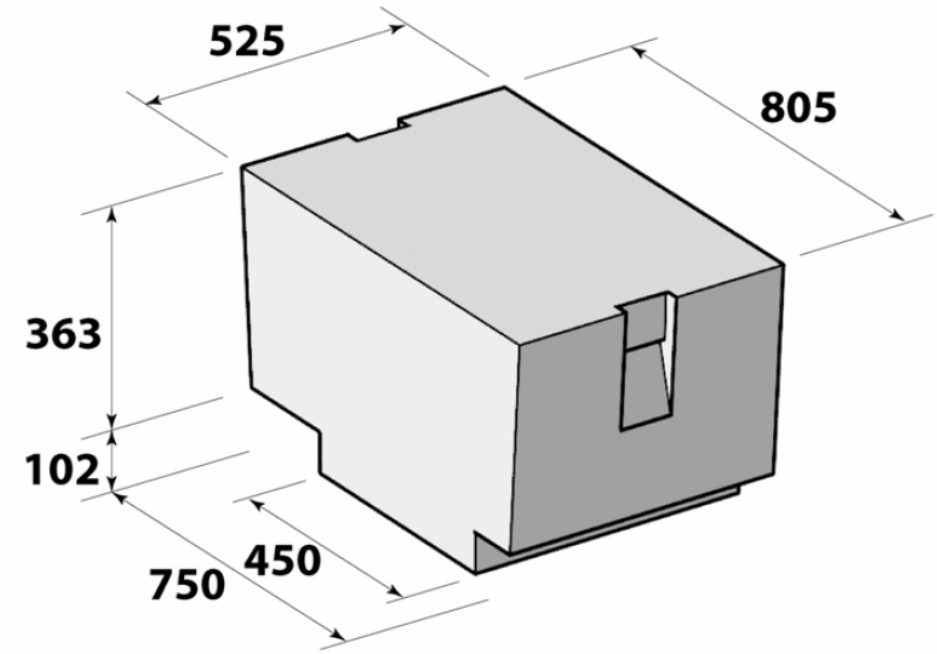
Available shapes/package

Shape/package	Nominal weight (in kg)	Dimensions (in mm)
K block	1100 ± 50	805 x 525 x 465
L block	1135 ± 45	1820 x 455 x 260
G block	1089 ± 30	1410 x 460 x 290

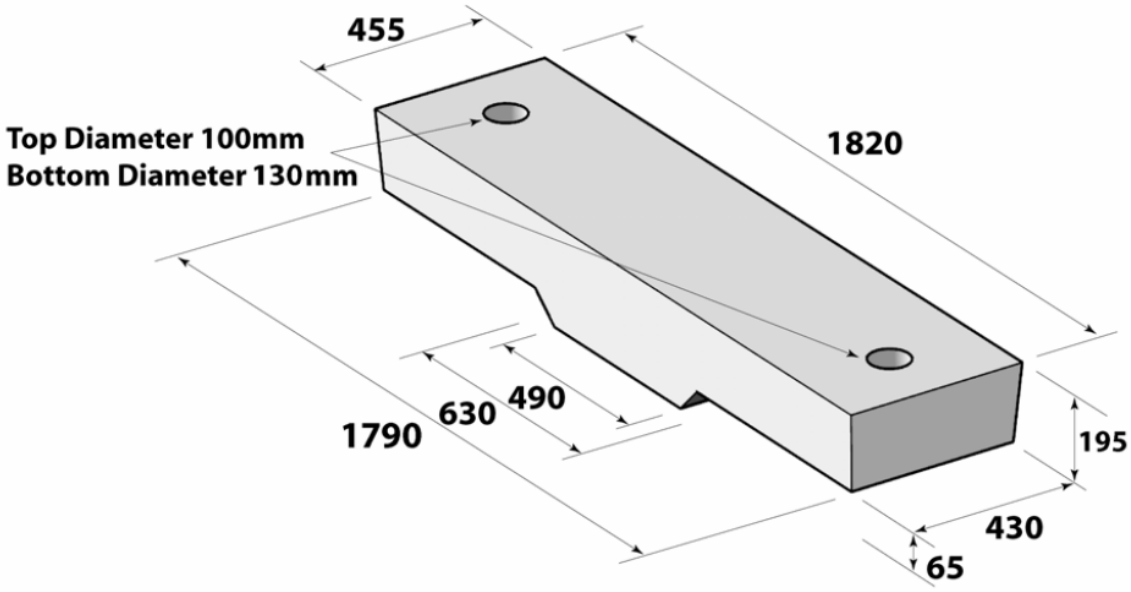
Nyrstar • Riverside Quay Level 2, 1 Southbank Boulevard • Southbank (Vic) 3006 – Australia
T +61 3 8699 0600 • F +61 3 8699 0601 • info@nyrstar.com • www.nyrstar.com

Zinc-Aluminium alloys (Zn-Al)
Technical Datasheet

K block (jumbo)	Nominal mass 1100 ± 50kg Dimensions 805 x 525 x 465



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



Zinc-Aluminium alloys (Zn-Al)
Technical Datasheet

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