

Salamander Plumbago Ladle Bowls

INTRODUCTION

Clay graphite ladle bowls are the best means of taking molten metal samples and for skimming slag and dirt from Induction Furnaces and ladles. Supplied in a range of sizes from 90cc to 4000cc capacity. Ideal for taking samples for spectrographic analysis, test bars and thermal analysis samples.

They provide a cost efficient means of obtaining a molten metal sample, free from contamination or dirt, which is close to the temperature of the bulk metal being sampled (important for thermal analysis).

When supplied with a drain hole they are the ideal means of removing slag and dirt from induction furnaces and casting ladles without resorting to the excessive use of slag coagulants.

LADLE BOWL TYPES AND CAPACITIES

	DRAIN	APPROXIMATE	APPROXIMATE	
TYPE	HOLES	CAPACITY(cc)	CAPACITY(kgs)	MAIN USES
NB10	0	275cc	1.8kg iron	Taking molten metal samples for analysis
NB20	0	1100cc	7.5kg iron	Casting test bars and small castings
NB30	0	2000cc	14.0kg iron	Molten metal transfer and small castings
NB31	1 x 25mm	2000cc	N/A	Removing slag from ladles and Induction furnaces
NB32/1	1 x 32mm	Spoon shape	N/A	Removing slag from ladles and Induction furnaces
NB32/4	4 x 24mm	Spoon shape	N/A	Removing slag from ladles and Induction furnaces
NB28/5	5 x 20mm	Spoon shape	N/A	Removing slag from ladles and induction furnaces
NB28/5A	5 x 20mm	Spoon shape	n/A	removing dross from aluminium / cleaning crucibles
VB18A	0	260cc	1.8kg iron	Taking molten metal samples for analysis
VB18/2A	1 x 20mm	260cc	N/A	Removing dross and slag from small casting ladles
VB18/3A	3 x 15mm	260cc	N/A	Removing dross and slag from small casting ladles
VB4A	0	295cc	2.0kg iron	Taking molten metal samples for analysis
VB5A	0	510cc	3.6kg iron	Casting test bars and small castings
VB8/2A	6 x 24mm	1800cc	N/A	Removing slag from ladles and Induction furnaces
VB8A	0	1800cc	13.75kg iron	Metal transfer and small castings
VB8/4A	1 x 40mm	1800cc	N/A	Removing slag from ladles and Induction furnaces
VB8/6A	1 X 40mm	1899cc	N/A	Removing slag from ladles and Induction furnaces
VB25A	0	3170cc	22.0kg iron	Molten Metal transfer
VB271A	0	4000cc	28.0kg iron	Molten Metal transfer

APPLICATIONS

NB10 (VB18A, VB4A)

NB10 ladle bowls are widely used in the Ferrous and Non-Ferrous foundry industry for taking samples for thermal and spectrographic analysis. Its light weight and small capacity make it easy to handle and the thermal properties of clay graphite from which it is manufactured ensure that samples are cast at the correct temperature to give consistent, reproducible results.

VB18/3A

This ladle bowl is in use at a large automotive foundry for the removal of slag and dross from ductile iron treatment ladles. It is supplied with 3 drain holes to allow the molten metal to drain from the slag and dross removed. Its small size facilitates its ease of use and allows the small diameter treatment ladles to be cleaned quickly and efficiently with little or no loss of iron into the waste bins. The removal of slag and dross in this way means that metal transferred into autopours is clean and the resultant castings are likely to be free from dirt and inclusions.

NB31

The NB31 ladle bowl is in use at many foundries for the removal of slag from large casting ladles and Induction furnaces. It is a machine pressed ladle bowl that is very light for its capacity. It provides an ideal method of slag removal where large quantities of material have to be removed over an extended period of time

VB8/4A (VB/2A,VB8/6A)

This is a hand built ladle bowl ideally suited for the removal of aggressive slags from Induction furnaces. The large drain hole ensures that a minimum of molten iron is removed with the slag. Its construction offers a very hard wearing ladle bowl which gives a cost effective means of ensuring dirt and slag free iron is supplied to all types of moulding lines.

NB32/1 & NB32/4

These are spoon shaped ladle bowls which have been specifically designed for use in the removal of slags from all sizes of electric induction furnaces. The shape ensures complete removal of all slag from the surface of the molten metal easily and quickly. They are supplied with a drain hole so that only dirt and slag is removed from the furnace.



NB10 LADLE BOWL
BOWL DIAMETER 100mm



VB18A LADLE BOWL
BOWL DIAMETER 100mm



NB28/5 SKIMMER
BOWL DIAMETER 175mm



NB32/1 SKIMMER
BOWL DIAMETER 240mm



VB8/4A LADLE BOWL
BOWL DIAMETER 190mm



NB30 LADLE BOWL
BOWL DIAMETER 195mm



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