INTERLOK™ SEGMENTED CRUCIBLE SYSTEM

The Blasch InterLok Segmented Crucible System utilizes an engineered design and the precise dimensional tolerance of the Blasch ceramic process to control the stresses from thermal expansion in large induction furnace lining systems. The unique, highly effective InterLok tongue and groove modular tile concept is designed for large crucible lining systems in vacuum or air induction melting furnaces.

The system is available in sizes for melts ranging from 650 lbs to 15,000 lbs. The InterLok Segmented Crucible System provides unparalleled ease of installation and tear out, combined with the outstanding performance of the Blasch ProCaster™ line of ceramic materials.

Customize Your System

Blasch offers complete customization of the InterLok system including pre-cast integrated spouts and spout extensions, bottom and side through holes for bottom pour systems, and varied height and clearance considerations.

Improve Your Process

The InterLok lining system has been engineered to offer several advantages to users:

- Improved metal quality with fewer impurities
- Reduced spalling and erosion, providing longer crucible life
- More predictable performance due to consistent, reproducible crucible characteristics
- Simple modular construction of coded tiles for quick assembly
- Dramatically lower labor costs and time for installation and disassembly

580 Broadway | Albany, NY 12204 | 518-436-1263 | 800-550-5768 | blaschceramics.com

BLASCH PRECISION CERAMICS

Our Blasch InterLok Segmented Crucible Lining System is used for large refractory linings in coreless induction melting furnaces operating in air or vacuum. This system is designed for furnace sizes from 650 lbs up to 15,000 lbs with many options available to adapt to your exact furnace.

BLASCH INTERLOK™ SEGMENTED CRUCIBLES

Working Capacity (lbs) (Steel)	*Working Capacity (kgs) (Steel)*	Outside Diameter O.D. (in)	*Outside Diameter O.D.(mm)*	Inside Diameter I.D. (in)	*Inside Diameter I.D. (mm)*	Bottom Thickness B.T. (in)	*Bottom Thickness B.T. (mm)*	Wall Thickness W.T. (in)	*Wall Thickness W.T. (mm)*	Overall Height O.H. (in)	*Overall Height O.H. (mm)*
650	*295*	16	*406*	13.5	*343*	1.75	*44*	1.25	*32*	27.25	*692*
1,000	*454*	18	*457*	15.5	*394*	2	*51*	1.25	*32*	33.2	*843*
1,500	*680*	22.5	*572*	19.5	*495*	2.5	*64*	1.5	*38*	32.5	*826*
2000	*907*	24	*610*	21	*533*	2.5	*64*	1.5	*38*	48	*1219*
2,500	*1,134*	26	*660*	22.5	*572*	3	*76*	1.75	*44*	31.8	*808*
3,200	*1,450*	26	*660*	22.5	*572*	3	*76*	1.75	*44*	44.75	*1137*
3,600	*1,636*	27.75	*705*	24.25	*616*	3	*76*	1.75	*44*	51	*1295*
4,000	*1,818*	28.5	*724*	25	*635*	3	*76*	1.75	*44*	49.625	*1260*
5,000	*2,268*	31.5	*800*	27.75	*705*	3.5	*89*	1.875	*48*	57.75	*1467*
7,000	*3,175*	32.5	*826*	28.25	*718*	3.5	*89*	2.125	*54*	53	*1346*
10,000	*4,536*	37.5	*953*	33	*838*	4	*102*	2.25	*57*	72	*1829*
12,000	*5,454*	37.5	*953*	33	*838*	4	*102*	2.25	*57*	83.8	*2129*
15,000	*6,804*	41	*1041*	36.5	*927*	6	*152*	2.25	*57*	83.8	*2129*
20,000	*9,071*	44	*1118*	39.5	*1003*	4.5	*114*	2.25	*57*	73.75	*1873*
43,000	*19,504*	56	*1422*	51.5	*1308*	6	*152*	2.25	*57*	115	*2921*

NOTE: Crucible assembly heights (H) can be changed to suit furnace sizing by adjusting side brick height and/or course count.

Integral spout bricks and spout extensions available.