

HIGH-TEMPERATURE LABORATORY CERAMICS



Institut
"Jožef Stefan"
Ljubljana, Slovenija

BOATS



Lenght (mm)	Width (mm)	Height (mm)	Volume (cm ³)	Product No.
44	17	8	2	BO-01
60	23	10	5	BO-02
68	22	12	8	BO-03
71	27	14	12	BO-04
65	25	17	15	BO-05
104	24	13	17	BO-06
117	23	14	17	BO-07
117	28	16	23	BO-08
78	46	25	48	BO-09
162	50	30	150	BO-10
190	55	30	200	BO-11

CRUCIBLES

conical



$d_{(outer)} \text{ top}$ (mm)	$d_{(outer)} \text{ bottom}$ (mm)	$d_{(inner)} \text{ top}$ (mm)	Height (mm)	Volume (cm ³)	Product No.
42	23	37	38	25	CRU-con-01
70	33	64	50	80	CRU-con-02
73	33	67	64	110	CRU-con-03
84	45	77	100	320	CRU-con-04

CRUCIBLES

cylindrical



d _(outer) (mm)	d _(inner) (mm)	Height (mm)	Volume (cm ³)	Product No.
9	7,6	10	0,3	CRU-cyl-01
10	8	3,5	1,8	CRU-cyl-02
14	11	20	2	CRU-cyl-03
15	12	54	6	CRU-cyl-04
26	23	20	6	CRU-cyl-05
30	27	15	7	CRU-cyl-06
22	18	33	8	CRU-cyl-07
26	23	26	9	CRU-cyl-08
22	19	48	10	CRU-cyl-09
32	28	48	24	CRU-cyl-10
40	37	35	30	CRU-cyl-11
45	40	35	40	CRU-cyl-12
39	34	58	50	CRU-cyl-13
56	52	45	80	CRU-cyl-14
56	52	75	140	CRU-cyl-15
76	70	52	140	CRU-cyl-16
76	70	92	300	CRU-cyl-17
95	85	150	750	CRU-cyl-18

COMBUSTION TRAYS

rectangular



Lenght (mm)	Width (mm)	Height (mm)	Volume (cm ³)	Product No.
57	47	12	17	TR-rect-01
87	53	12	35	TR-rect-02
155	55	14	80	TR-rect-03
79	79	40	120	TR-rect-04
118	92	28	160	TR-rect-05
123	108	20	160	TR-rect-06
205	110	17	220	TR-rect-07
164	130	20	240	TR-rect-08
150	116	28	330	TR-rect-09
158	130	34	530	TR-rect-10
152	118	55	700	TR-rect-11

COMBUSTION TRAYS

cylindrical



d _(outer) (mm)	d _(inner) (mm)	Height (mm)	Volume (cm ³)	Product No.
88	82	25	110	TR-cyl-01
98	91	32	200	TR-cyl-02
132	123	47	400	TR-cyl-03

LIDS FOR TRAYS

cylindrical



d _(outer) (mm)	d _(inner) (mm)	Height (mm)	Volume (cm ³)	Product No.
28	24	6	2	LID-01
33	29	7	3	LID-02
38	34	8	4	LID-03
41	37	8	5	LID-04
45	40	9	9	LID-05
50	46	11	12	LID-06
64	59	10	17	LID-07
55	50	13	18	LID-08
88	78	10	38	LID-09
98	93	12	60	LID-10
110	103	10	70	LID-11
81	81	6	39	LID-12
162	50	8	65	LID-13
190	55	10	105	LID-14
68	21	5	7	LID-15

PLATES

rectangular



Lenght (mm)	Width (mm)	Height (mm)	Volume (cm ³)	Product No.
15	5	2	0,5	PL-rect-01
10	10	1,5	0,6	PL-rect-02
12	10	1,5	0,62	PL-rect-03
13	9	2	0,75	PL-rect-04
30	30	3	13	PL-rect-05
60	60	4	50	PL-rect-06
145	145	10	600	PL-rect-07

PLATES

cylindircal



d _(outer) (mm)	Height (mm)	Weight (g)	Product No.
15	5	2	0,5
10	10	1,5	0,6
12	10	1,5	0,62
13	9	2	0,75
30	30	3	13
60	60	4	50
145	145	10	600

CERAMIC LABORATORY ACCESSORIES FOR HIGH-TEMPERATURE APPLICATIONS

Numerous types of boats, crucibles, boxes, and plates made of carefully designed, slip-casted and densely sintered, **high-quality Al_2O_3 ceramics** are aimed at **high-temperature laboratory applications**. A suitable combination of thermal conductivity, thermal expansion and mechanical properties of Al_2O_3 ceramics results in good thermal shock resistance, making our products suitable for furnace use at temperatures as high as 1700 °C. Besides their suitability for repeated high-temperature annealing, calcination and sintering processes, their high corrosion resistance at high temperatures makes them appropriate for melting processes as well, especially when aggressive melts are employed. The plate can be used as the lids for boats, crucibles and boxes or as combustion trays.

In addition to more than **70 geometrical variations**, **custom-made products** with a range of dimensions can be manufactured on demand. Products containing minor or major amount of **zirconia** and/or **mullite** can also be prepared for special needs and applications.

ORDER / CONTACT INFORMATION

Eterovič Darko

darko.eterovic@ijs.si

+386 1 477 38 10

Jožef Stefan Institute
Jamova 39
1000 Ljubljana
Slovenia