



## Luoyang Penghao Ceramic Technology Co.,Ltd

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## 2017 Catalogue Of PH Dental Crucible Series

### *About our Company*

We are a professional manufacturer and exporter of dental lab products Series In China.

- 90% products is for exporting.

- Focus on Dental Lab field.

### **Our Mission :**

To supply you perfect quality , high level service .

To contribute to dental health of people whole the world through research , design, manufacture, and sale of dental lab using products.

Focus on the service for dental labs & studios



We are specialized in the manufacturing and marketing of dental lab crucibles series ,located in Luoyang of China ,a beautiful tourist city . Welome all friends to come here ,and greatly hope to cooperate with you .

Now our dental crucible product mainly have :

- 1. Crucibles for flame melting;  
(Crucibles for centriugal casting machine)**
- 2. Crucibles for induction casting machine;**
- 3. Graphite inserts & carrier crucibles;**



Adopting advanced ceramic technology ,throughout professional manufacturing process, we assure our crucibles' quality,from the selection of raw materials to their finishing.

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#### **Our advantage:**

- 1.High purity fused quartz as raw material , ensure high purity & good erosion resistance.
2. Having high strength.
3. Good Thermal shock resistance ,economical & long lasting.

#### **Useage:**

Our crucibles are mainly used for melting of dental alloy ,platinum ,gold and other high temperature alloys. Dental crucible may be suitable for the need of most dental casting machine : **KERR, UGIN, DEGUSSA, BEGO,etc.**

*Our exporting packing , ensure safe shipping .*



## *A Brief of quartz raw material for crucible.*

Stomatology & relevant repair technique is a important part of human medical science. We are so glad to do something in this field.

All of our dental crucible are made with fused silica ,which is quartz sand fused at 2200 °C with an high purity .

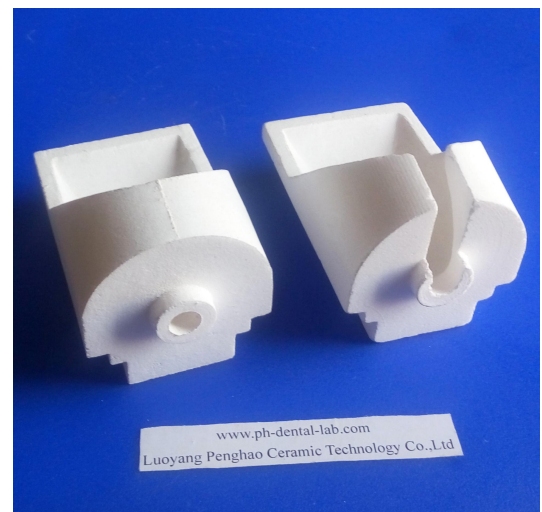
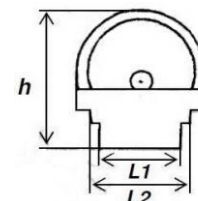
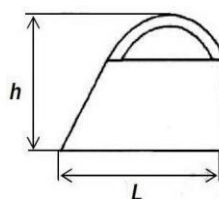
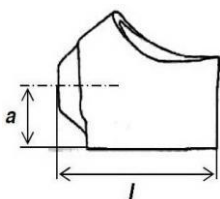


Fused silica has many useful physical characteristics which justify its use in the manufacture of dental crucibles:



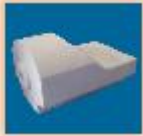
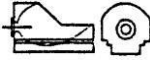
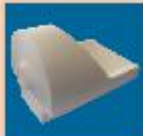



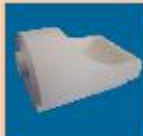
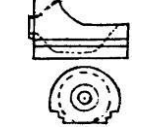

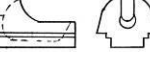



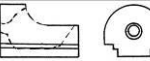




1. Very low thermal expansion ,which give our crucibles a very good thermal shock resistance.
2. Low sensibility to metallic oxides ,which assure a long term resistance against corrosion by dental alloys.

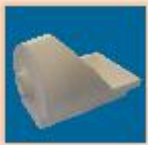











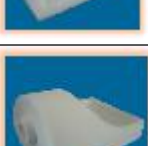


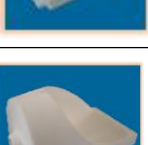
## *Our Crucibles Product Series.*

### **1.Horizontal Crucibles for flame melting .**

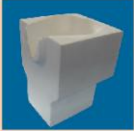

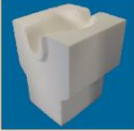
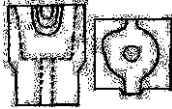


Unit:mm

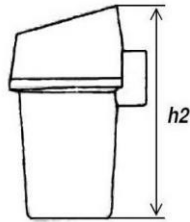
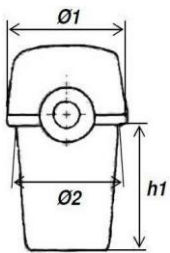
Type	Picutre	Drawing	a	h	l	L	L1	L2
PH-4A			22	45	72	46	27	34
PH-4B			18	47	66	45	27	35
PH-4C			22	54	69	46	28	34
PH-4D			27.5	54	65	47	**	**
PH-4E			22	64	67	48	28	34
PH-4F			22	42	65	48	25	34
PH-4G			20	49	70	45	27	34
PH-4H			22	42	61	47	27	33
PH-4I			20	49	70	45	26.5	34.4
PH-4J kerr small			11	45	49	35	**	**


<b>PH-4K</b>			<b>20</b>	<b>49</b>	<b>67</b>	<b>45</b>	<b>28</b>	<b>35</b>
<b>PH-4L</b> (kerr type)			<b>20</b>	<b>52</b>	<b>70</b>	<b>48.5</b>	<b>27.5</b>	<b>35</b>
<b>PH-4M</b> Degussa type			<b>20</b>	<b>46</b>	<b>63.5</b>	<b>57</b>	<b>**</b>	<b>**</b>
<b>PH-4N</b>			<b>25.5</b>	<b>61</b>	<b>55.5</b>	<b>61</b>	<b>36</b>	<b>36</b>
<b>PH-4O</b>			<b>22</b>	<b>50</b>	<b>59</b>	<b>49</b>	<b>**</b>	<b>**</b>
<b>PH-4P</b> Bego type			<b>33.6</b>	<b>70</b>	<b>52.5</b>	<b>49</b>	<b>21</b>	<b>34.5</b>
<b>PH-4Q</b>			<b>20.7</b>	<b>50</b>	<b>62.5</b>	<b>44</b>	<b>26</b>	<b>33</b>
<b>PH-4R</b>			<b>22</b>	<b>46.5</b>	<b>67.5</b>	<b>45.5</b>	<b>26.8</b>	<b>33</b>
<b>PH-4S</b>			<b>22</b>	<b>42</b>	<b>62.5</b>	<b>48</b>	<b>27.5</b>	<b>34.5</b>
<b>PH-4T</b>			<b>20.6</b>	<b>50</b>	<b>68</b>	<b>47.5</b>	<b>27</b>	<b>35</b>
<b>PH-G50</b>			<b>19</b>	<b>53</b>	<b>72</b>	<b>50</b>	<b>28.5</b>	<b>35</b>



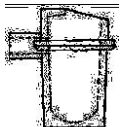
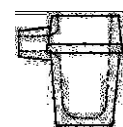

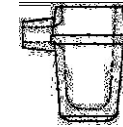

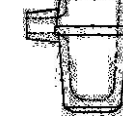

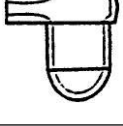



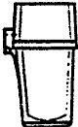

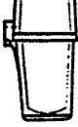


















PH-004			48	65	48	47.5	34	34
PH-005			56.6	67.5	54	53	38.5	38.5

## 2. Vertical Crucibles for induction casting machine

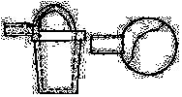





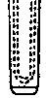
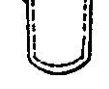


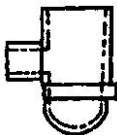


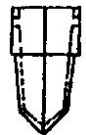
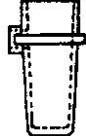
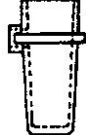

Type	Picture	Drawing	$\Phi 1$	$\Phi 2$	h1	h2		
PH-1			43	35	41	68		
PH-1A			47	36	42	61		
PH-1B								
PH-2			41	35	48	70		
PH-2L			41	35	48	69.5		

PH-2A			40	36	41	61		
PH-2B			45	37	50.5	74		
PH-2C			41	35	48	70		
PH-2D			42	34.5	40	64		
PH-2E			44	37	45	68		
PH-2F			42	35	50	72.7		
PH-2G			47	37	47	71		
YK-2Ga			43	35	46	72		
PH-3			43	37	43	50		
PH-5			42	35	41	63		
PH-6 Bego type			46	41	52	82		

PH-6GR			46	41	52	82		
PH-6A			46	41	52	82		
PH-6B			44	40	53	73		
PH-6C			45.5	40	53	80		
PH-6D			46	41	52	82		
PH-7			46	38	48	66		
PH-7A			46.5	38.5	48	72		
PH-7B			49.5	37.5	48	69		
PH7GR			46	38	48	66		
PH-8			41	35	40	68		
PH-8A			45	38	40	71		



PH-8C			41.5	35	40	70		
PH-8D			40.5	35	38	69		
PH-8E			40.5	35	38	69		
PH-8F			46.5	38	41	72.5		
PH-9 UGIN			46	38	49	75		
PH-9A			46	38	49	75		
PH-9B			46	38	40	65		
PH-11			40	34	100	110		
PH-12A			45	36	40	60		
PH-12B			42.5	36.5	41	67.5		
PH-13			53	40	47	69		

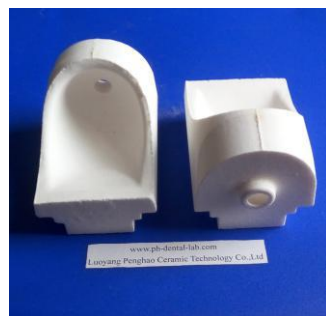
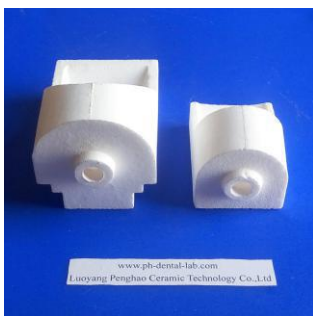
PH-14			47	36	36	76		
PH-15			44	35	47	68		
PH-16			45.7	32	58	63		
PH-17			46	41	52	82		
PH-18			51	41	60.5	66		
PH-18GR			51	41	60.5	66		
PH-19			43	36	54	80		
PH-19A			**	**	55	82		
PH-001			52.5	43.5	9	16		
PH-001a			48	39.5	9	16		

### 3. Graphite inserts & carrier crucibles .

For the casting of the precious alloys ,we propose a range of graphite and vitreous graphite inserts ,which can be used for other alloys.



Graphite inserts must be used with a carrier crucibles.we propose a range of carrier crucibles for the most of induction casting machines.



### Contact US

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To know more about us : [www.ph-dental-lab.com](http://www.ph-dental-lab.com)