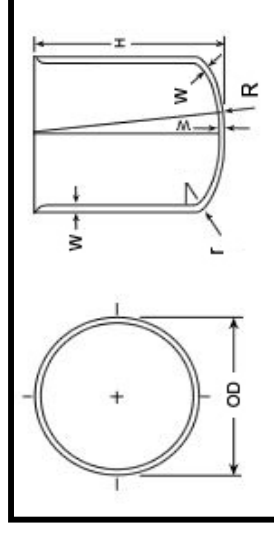


2. Typical Size

O-Diameter (mm)	OD Tolerance (mm)	Wall (mm)	W Tolerance (mm)	Height (mm)	H Tolerance (mm)	Radius R (mm)	Radius r (mm)	N. W. (kg)	G.W. (kg)	Package(L×W×H) (mm)
455 (18")	± 3.0	10.0	± 2.0	323	± 2.0	500	120	10.2	12.3	520×520×410
503 (20")	± 3.0	10.0	+3-1	353	+2-3	510	90	14.5	16.6	600×600×500
558 (22")	+2-4	12.0	+2-2.5	387	+3-2	558	90			
608 (24")	+2-4	12.0	+3-2	387	+3-2	610	120			

3. Crucible OD vs. Wafer Diameter

Crucible OD	Wafer Diameter
12-14"	4"-5"
15-18"	5"-6"
20"-24"	6"-8"
28"-32"	8"-12"



Remarks:

18" Crucible, the size of R=450mm + r=90mm is also available

Appearance

Appearance of Specification are shown as follows.

Appearance is inspected under over 1500 lux light.

- | | |
|---------------|---|
| a) Crack | no crack |
| b) Chipping | no chipping |
| c) Scratch | no scratch; for dia 20" and 22" no scratch which is over 50mm length and over 0.25 mm width |
| d) Adhesions | no adhesions without gloze, no adhesions of silica particle |
| e) Depression | no depression which is over 20mm diameter and 1mm depth |
| f) White spot | no crystobalite particle at inner surface(Devitrification) |
| | no white spot over φ6mm, limit number is 13pcs under φ6mm |

- g) Black spot no black spot in transparent layer
 no black spot exposed at inner surface
 the limit number of black spot is shown in Table.
- h) Bubble no opening bubble at inner surface
 the limit number of bubble is shown in Table.
 (opaque and transparent layer)
- i) stain no stain

	$0.5 < X \leq 1.0 \text{mm}$	$1.0 < X \leq 1.5 \text{mm}$	$1.5 < X \leq 2.0 \text{mm}$	$2.1 < X < 2.5 \text{mm}$
Black spot	55	17	5	1
Bubble	30	18	2	0

GVB GmbH – Solutions in Glass
 Nordstern-Park 2
 52134 Herzogenrath, Germany
 Phone 0049-2406-665588-0
 Fax 0049-2406-665588-10
 E-Mail: info@g-v-b.de
 Internet: www.g-v-b.de

SR