

pvCal Halcon 12 Glass

Halcon 12 compatible calibration targets for accurate & precise measurements



Chrome pattern (dark brown) printed on flat glass, ideal for backlight applications

Soda lime glass 3.0 mm thick

- surface roughness <math><0.025\ \mu\text{m}</math>
- surface flatness: 5-10 μm
- transmission (420~700nm) >85%

Standard coating: low reflective dark brown chrome

- reflectivity <math><25\%</math>@550 nm
- optical density: >3
- no pinhole bigger than 0.001 mm

Overall accuracy: +/-1 μm

Dot diameter tolerance: +/-0.001 mm

Dot spacing tolerance: +/-0.001 mm center to center

Thermal expansion coefficient: <math><100 \times 10^{-7}</math> / °C

Accuracy from target edge to pattern: +/-0.05 mm

Dimension & thickness tolerance: +/-0.1 mm

Beveled edges: +/-1° angle

Pattern size mm	8.3x6.2	17x12	33x25	50x37	66x50	83x62	100x75	115x86	132x98
Dot diameter mm	0.25	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
Dot array	13x15	13x15	13x15	13x15	13x15	13x15	13x15	13x15	13x15
Dot spacing mm	0.5	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
Dimensions mm	10.3x8.2	19x15	40x30	55x45	68x55	92x72	105x80	125x96	140x110

Larger dimensions / patterns available on request.