

Aluminium oxide wafers

– other thicknesses and versions on request

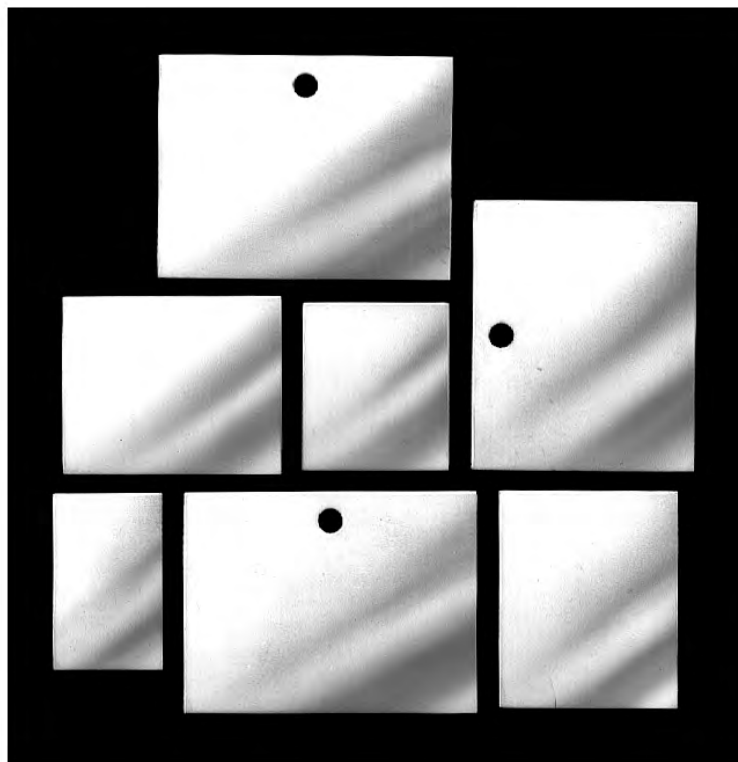
\pm = thickness; \square = flatness

art. no. AOS 247 \pm 1 mm \square 0.02 mm	art. no. AOS 218 247 \pm 3 mm \square 0.15 mm	art. no. AOS 218 247 1 \pm 1.5 mm \square 0.02 mm	art. no. AOS 3 P 2 \pm 1 mm \square 0.15 mm	art. no. AOS 3 P SL \pm 1.5 mm \square 0.15 mm
art. no. AOS 220 3 \pm 1.6 mm \square 0.11 mm	art. no. AOS 220 SL \pm 4.5 mm \square 0.054 mm	art. no. AOS 220 4 \pm 1.5 mm \square 0.054 mm	art. no. AOS 220 \pm 1.5 mm \square 0.054 mm	art. no. AOS 32 \pm 1.5 mm \square 0.033 mm
art. no. AOS 127 \pm 3 mm \square 0.076 mm	art. no. AOS 3 P \pm 1.5 mm \square 0.061 mm	art. no. AOS 5 \pm 1.5 mm \square 0.032 mm	art. no. AOS 93 \pm 2.3 mm \square 0.03 mm	art. no. AOS 18 \pm 1.5 mm \square 0.023 mm
art. no. AOS 3 \pm 2.9 mm \square 0.123 mm	art. no. AOS 66 \pm 2.5 mm \square 0.10 mm			

AOS	
material	Al ₂ O ₃ - ceramics
thermal resistance	0.3 K/W [at 1 inch ² ; = 6.45 cm ² ; = TO 3 (AOS 3 G)]
specific electrical resistance	>10 ¹⁴ Ω/cm
thermal conductivity	25 W/m·K
dielectric constant	9
linear expansion coefficient	~8·10 ⁻⁶ /K
snap through stability	10 kV/mm

Aluminium oxide wafers according to customer's instructions

- laser-cut versions with outer dimensions and cutouts according to customer's requirements
- other plate dimensions upon request
- max. plate dimension 180 x 180 mm



material thickness [mm]	outer dimensions [mm]
2.000	114x114
2.540	114x114
1.500	114x114
1.270	114x114
1.000	114x114/ 165x115/ 160x113
0.800	114x114/ 165x115/ 160x113
0.635	106.5x106.5/ 114x114/ 165x115/ 160x113
0.500	106.5x106.5/ 114x114
0.400	106.5x106.5/ 114x114
0.300	106.5x106.5/ 114x114
0.250	106.5x106.5/ 114x114