

Aluminium oxide wafers

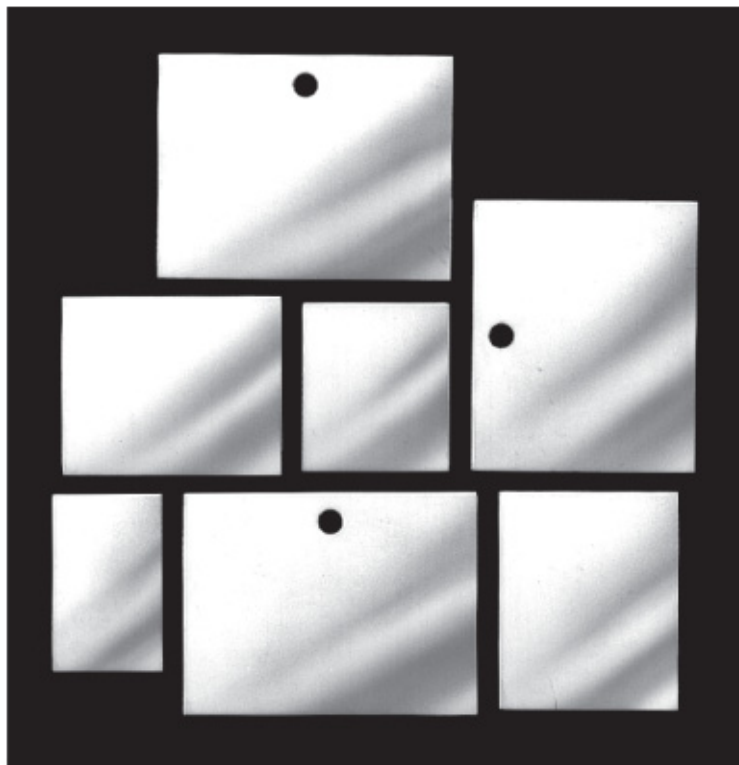
– other thicknesses and versions on request; $\frac{\pm}{\text{mm}}$ = thickness; \square = flatness

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



material thickness [mm]	outer dimensions [mm]
2.000	114 x 114
2.540	114 x 114
1.500	114 x 114
1.270	114 x 114
1.000	114 x 114/ 165 x 115/ 160 x 113
0.800	114 x 114/ 165 x 115/ 160 x 113
0.635	106.5 x 106.5/ 114 x 114/ 165 x 115/ 160 x 113
0.500	106.5 x 106.5/ 114 x 114
0.400	106.5 x 106.5/ 114 x 114
0.300	106.5 x 106.5/ 114 x 114
0.250	106.5 x 106.5/ 114 x 114