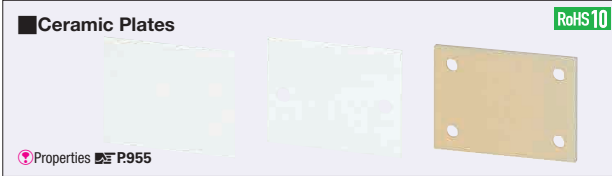


Ceramic Plates

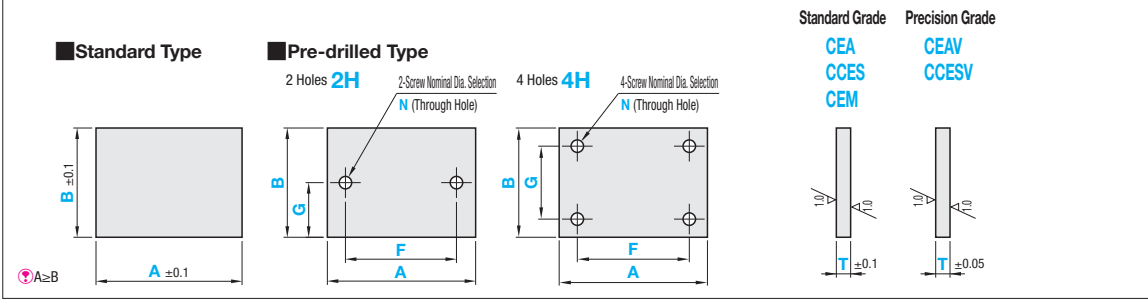
Alumina 96, Steatite, Machinable Ceramics

- Alumina 96: Excels in abrasion resistance, insulation and heat resistance.
- Steatite: Excels in insulation and high frequency characteristic.
- Machinable Ceramics: Excels in insulation, heat insulation and machinability. Can be machined into complex shapes or finished with precision.



Part Number	Material	Finish Precision	Color	Operating Ambient Temperature
CEA	Alumina 96	Standard Grade	White	Ambient Temperature-1,300°C
CEAV	Alumina 96	Precision Grade		
CCES	Steatite	Standard Grade	White	Ambient Temperature-1,000°C
CCESV	Steatite	Precision Grade		
CEM	Machinable Ceramics	Standard Grade	Natural Color	Ambient Temperature-1,000°C

Material is alumina 99.5 for Pre-Drilled Types T = 2 or 2.5 and T = 1.



Standard Type			
Part Number	1mm Increment		Selection T
Type	A	B	T
CEA CEM	10~200	10~100	1 2
CEAV	10~100	10~100	2.5
CCES CCESV	10~70	10~70	3 5

Accuracy Standards			
Item	CEA, CCES, CEM	CEAV, CCESV	
Thickness Parallelism (per 100mm)	0.1	0.05	
Flatness	T=1	0.1	0.05
(per 100mm)	T=2-5	0.1	0.05

Hole Machining Details	
N (Through Hole)	
Screw Nominal Dia.	3 4 5 6 8 10
d	3.5 4.5 5.5 6.5 9 11

Pre-drilled Type								
Part Number	Type	Number of Holes	1mm Increment		Selection T	0.5mm Increment		Screw Nominal Dia. Selection N (Through)
			A	B		F	G	
CEA CEM	2H	2	20~200	10~100	1 2	9~191	5~95 (2H)	3 4 5 6 8 10
CEAV			20~100	10~100	2.5	9~91	9~91 (4H)	
CCES CCESV	4H	4	20~70	10~70	3 5	9~61	5~65 (2H) 9~61 (4H)	

For F dimension, $d+5 \leq F \leq A-d-5$ is required.
 G Dimension: For 2H, $d/2+2.5 \leq G \leq B-d/2-2.5$; for 4H, $d+5 \leq G \leq B-d-5$.

Ordering Example

Standard Type
 Part Number - A - B - T
 CEA - 60 - 55 - 2

Pre-drilled Type
 Part Number - A - B - T - F - G - Screw Nominal Dia.
 CEA4H - 80 - 80 - 1 - F55 - G55 - N6

Alterations

Part Number - A - B - T - F - G - Screw Nominal Dia. - (XC, YC)
 CEA2H - 80 - 80 - 1 - F30 - G40 - N6 - XC15

Part Number	T	A	Unit Price			
			CEA		CEM	
			B10-50	B51-100	B10-50	B51-100
CEA	1	10-50				
		51-100				
		101-150				
		151-200				
CEAV	2	10-50				
		51-100				
		101-150				
		151-200				
CEM	2.5	10-50				
		51-100				
		101-150				
		151-200				

Alterations	Hole Position from Left	Hole Position from Bottom
	Code	XC
Spec.	XC = 1mm Increment 5 ≤ XC ≤ 186 (CEA, CEM) 5 ≤ XC ≤ 86 (CEAV) 5 ≤ XC ≤ 56 (CCES, CCESV) d(d+1)/2 + 2.5 ≤ XC ≤ A - F - d(d+1)/2 - 2.5	YC = 1mm Increment (Not available for 2H). 5 ≤ YC ≤ 86 (CEA, CEAV, CEM) 5 ≤ YC ≤ 56 (CCES, CCESV) d(d+1)/2 + 2.5 ≤ YC ≤ B - G - d(d+1)/2 - 2.5

Part Number	T	A	Unit Price			
			CCES		CCESV	
			B10-35	B36-70	B10-35	B36-70
CCES	3	10-35				
		36-70				
CCESV	5	10-35				
		36-70				

Hole Machining Charge

Pre-drilled Type Screw Nominal N (Through) (Ex.) Part Number - A - B - T - F - G - Screw Nominal Dia. >>
 CEA2H - 90 - 60 - 1 - F60 - G30 - N6 >>

(Standard Type Unit Price) + (Hole Machining Charge) = Pre-drilled Type Price

Pre-drilled Type Price = Standard Type Unit Price + Hole Machining Charge