198/192 Series 200 mm Wafer Transport Carriers

High performance in an open side wall configuration

Trends in wafer processing technology have mandated advancements in wafer carrier technology to support today's advanced semiconductor processing facilities. Our 198/192 Series 200 mm wafer transport carriers address automation, contamination control, and productivity requirements for today's 200 mm fabs. These open-side wall wafer carriers, designed for advanced wafer transport, offer dramatic performance benefits over traditional low- and midrange wafer carriers, including precise wafer access, reliable equipment operation, and secure wafer protection.

Open-side wall carriers designed for advanced wafer transport.

APPLICATIONS

198/192 series 200 mm wafer transport carriers are ideal for:

- In-fab transport
- Process tool interface
- Storage of fab wafers

FEATURES & BENEFITS

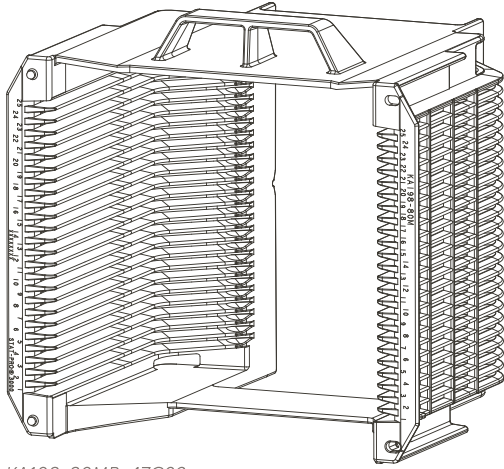|	
Predictable wafer location	Enables precise wafer access
Automated handling	Enables reliable equipment operation on process tools and automated materials handling systems
Advanced wafer carrier design and materials of construction	Secures and protects wafer against contamination and damage

Entegris

SPECIFICATIONS

Wafer capacity	25
Pins and holes	on top rail
Locating track notches	at center of the 13th pocket
Side walls	Open
Compatible storage boxes	E99, E210, HA200

Material Specifications

STAT-PRO 9000	Next Generation advanced wafer transport carrier material	
	Static dissipative blend of Carbon Nanotube (CNT) enhanced polyetheretherketone (PEEK™) carbon compound	
	Temperature limits:	120°C (248°F) continuous use
		340°C (644°F) wafer insertion
STAT-PRO 3000	Advanced wafer transport carrier material	
	Static dissipative blend of PEEK and carbon fiber	
	Temperature limits:	120°C (248°F) continuous use
		340°C (644°F) wafer insertion
STAT-PRO 100	Wafer transport carrier material	
	Static dissipative blend of polypropylene (PP) and carbon powder	
	Temperature limits:	55°C (131°F) continuous use
		70°C (158°F) wafer insertion
FluoroSentry®	Wafer transport carrier material	
	Advanced blend of polybutyleneterephthalate (PBT) and carbon fiber	
	Temperature limits:	55°C (131°F) continuous use
		95°C (203°F) wafer insertion
Blue Polypropylene	Wafer transport carrier material	
	PP with added colorant	
	Temperature limits:	55°C (131°F) continuous use
		70°C (158°F) wafer insertion

DRAWINGS

KA198-80MB-47C02

D1 dimension	25.4 mm (1.00"), dependent on cassette
Pocket spacing	6.4 mm (0.25"), dependent on cassette
Pocket flat	1.7 mm (0.07") dependent on cassette

ORDERING INFORMATION

PART NUMBER	END WALL HANDLE TYPE	COLOR	RFID	MATERIALS	"H" BAR END FLANGE
FA192-80MNS-7902	Standard, high position	Black	No	FluoroSentry® carbon fiber PBT	No
FA192-80MNSM-7902	Standard, high position	Black	Yes	FluoroSentry® carbon fiber PBT	No
K198-80M-97C02	Standard, high position	Black	No	STAT-PRO® 9000 CNT PEEK	No
K198-80MB-97C02	Standard, high position	Black	No	STAT-PRO® 9000 CNT PEEK	Yes
KA198-80M-47C02	Standard, high position	Black	No	STAT-PRO® 3000 carbon fiber PEEK	No
KA198-80M-47C05	Standard, high position	Green	No	STAT-PRO® 3000 carbon fiber PEEK	No
KA198-80MB-47C02	Standard, high position	Black	No	STAT-PRO® 3000 carbon fiber PEEK	Yes
KA198-80MNH-47C02	N/A	Black	No	STAT-PRO® 3000 carbon fiber PEEK	Yes
KA198-80MRM-47C02	Standard, high position	Black	Yes	STAT-PRO® 3000 carbon fiber PEEK	No

ORDERING INFORMATION

PART NUMBER	END WALL HANDLE TYPE	COLOR	RFID	MATERIALS	"H" BAR END FLANGE
PA192-80M-0603	Standard, high position	Blue	No	Polypropylene	No
PA192-80M-0604	Standard, high position	Red	No	Polypropylene	No
PA192-80M-0605	Standard, high position	Green	No	Polypropylene	No
PA192-80M-0607	Standard, high position	Yellow	No	Polypropylene	No
PA192-80M-0609	Standard, high position	Orange	No	Polypropylene	No
PA192-80M-0612	Standard, high position	White	No	Polypropylene	No
PA192-80M-0615	Standard, high position	Natural	No	Polypropylene	No
PA192-80MNH-0603	N/A	Blue	No	Polypropylene	No

FOR MORE INFORMATION

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