



SERIES Gas-Mate



Gas-Mate couplings are one-way shut-off safety couplings designed for the connection of gas cooking appliances and other gas-fired devices. Body sizes are 3/8", 1/2", 3/4", 1" and 1 1/4".

FEATURES

- Connect and disconnect without using wrenches
- Automatic shut-off when plug is removed from socket
- In case of fire, heat-sensitive plug allows socket valve to close, stopping gas flow
- Push-to-connect (1 1/4" only)

APPLICATIONS & MARKETS

- Industrial
- Fuel Gas Systems
- Food & Beverage



Interchangeability

- 3/8" ANSI Z 21.41;
- Other sizes proprietary



Materials

- Brass construction
- Stainless steel locking balls
- Fluorocarbon (FKM) socket o-ring
- Valve actuator soldered to plug with low melting temperature alloy



3/8" to 1 1/4" nominal
(9.525 mm to 31.75 mm)



-40° F to 250° F
-40° C to 121° C

Capacities

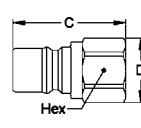
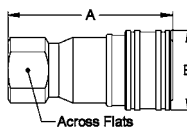
Body Size	Socket Part No.	Plug Part No.	Capacity*	Socket O-Ring Part No.
3/8"	100-006	100-506	60,000	914-3-143M
1/2"	100-008	100-508	90,000	902-14-143M
3/4"	100-010	100-510	245,000	902-18-143M
1"	100-012	100-512	310,000	902-23-143M
1 1/4"	GMS1250FH	GMP1250F	500,000	914-26-143M

* Capacity is based on natural gas having a specific gravity of 0.64 and a heat capacity of 1,000 BTU per cubic foot. Inlet pressure is 12 inches water column and the pressure drop is 0.3 inch water column.

SOCKETS

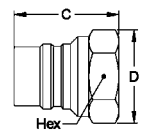
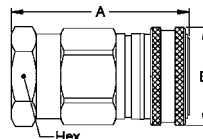
PLUGS

Body Size	Part No.	Thread Size NPTF	Dimensions		
			A	B	Across Flats
3/8"	100-006	3/8-18	2.44	1.13	1.00
1/2"	100-008	1/2-14	2.84	1.38	1.13
3/4"	100-010	3/4-14	3.17	1.75	1.50
1"	100-012	1-11 1/2	3.94	2.13	1.75



Body Size	Part No.	Thread Size NPTF	Dimensions		
			C	D	HEX
3/8"	100-506	3/8-18	1.59	0.94	0.81
1/2"	100-508	1/2-14	1.94	1.16	1.00
3/4"	100-510	3/4-14	2.06	1.52	1.31
1"	100-512	1-11 1/2	2.47	1.73	1.50

Body Size	Part No.	Thread Size NPTF	Dimensions		
			A	B	HEX
1 1/4"	GMS1250FH	1 1/4-11 1/2	4.15	2.28	2.00



Body Size	Part No.	Thread Size NPTF	Dimensions		
			C	D	HEX
1 1/4"	GMP1250F	1 1/4-11 1/2	2.44	2.16	1.88

Dust Caps and Dust Plugs Accessories:

Body Size	Plug Dust Cap Part No.		Socket Dust Plug Part No.	
	Metal	Vinyl	Metal	Vinyl
3/8"	PDC-2-HK*	P-PDC-2-HK	SDC-2-HK*	P-SDC-2-HK
1/2"	PDC-3-HK*	P-PDC-3-HK	SDC-3-HK*	P-SDC-3-HK
3/4"	PDC-4-HK**	P-PDC-4-HK	SDC-4-HK**	P-SDC-4-HK
1"	PDC-6-HK**	P-PDC-6-HK	SDC-6-HK**	P-SDC-6-HK

*Brass **Aluminum



CANADIAN STANDARDS ASSOCIATION*

Complies with the requirements of ANSI Z21.41 & CSA 6.9.

* CSA design certified, in both the United States and Canada, for natural gas, manufactured gas, liquefied petroleum and LP gas-air mixtures at pressures not in excess of 1/2 psig (3.5 kPa).