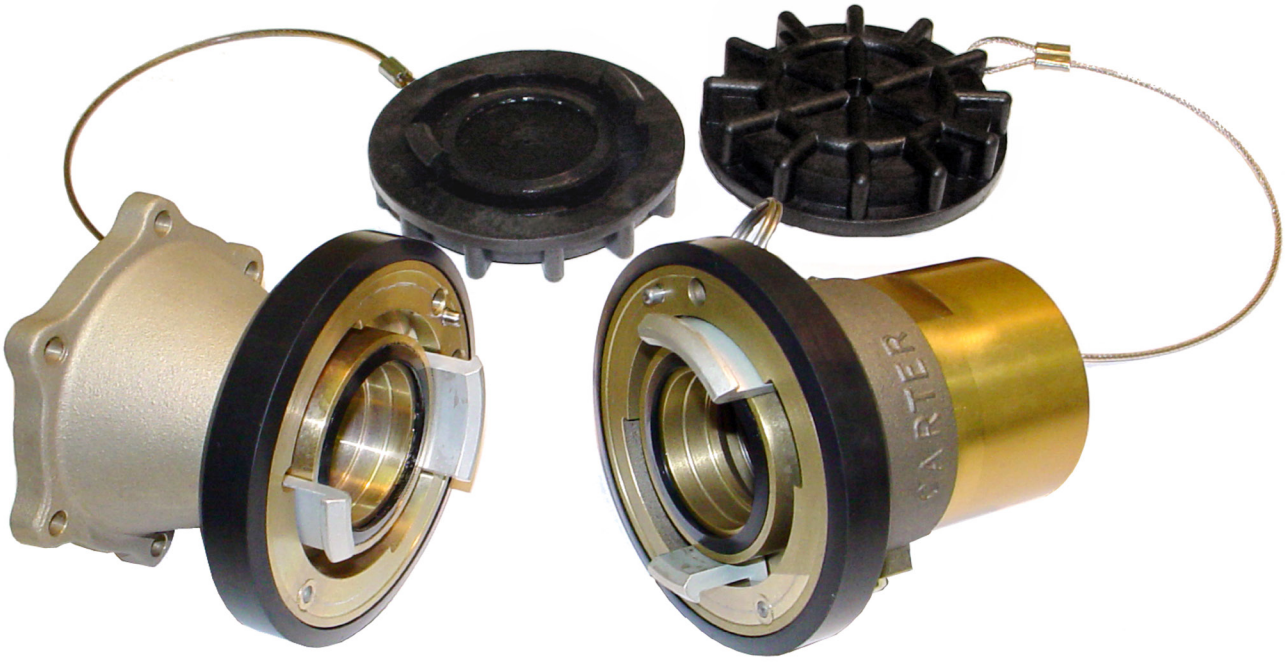
Carter® Brand

Unisex Couplings, 2 Inch Non-Valved

Model 64319



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Design Concepts

Eaton's Carter brand unisex couplings are designed in accordance with A-A-59377 (supersedes MIL-C-53071) and are completely interchangeable with similar 2 inch couplings made by Eaton's Aeroquip brand. Unisex couplings, as the name implies, are designed to mate with each other allowing for the connection of hose assemblies, regardless of the end fitting. The basic Model 64319 non-valved coupling has various accessories and inlet options, as described under "Ordering Data".

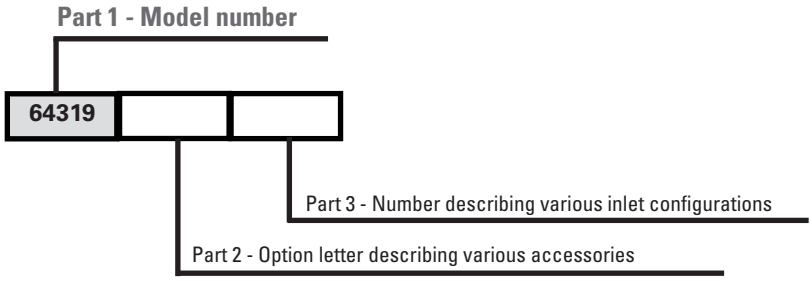
Features

- Unisex connection allows indiscriminate mating
- Interlock feature prevents disconnection of unit
- Pressure tight dust cap included on all units
- Dust seal incorporated between connected units — protects mating surfaces
- Units are easily repairable
- Variety of inlet fittings options to suit system needs
- Tan color standard, green optional

Technical Information

- Qualified in accordance with A-A-59377
- Pressure drop — 3 psi (.206 bar) max at 200 USgpm (757 l/min)
- Operating pressure — 100 psi (6.895 bar)
- Burst pressure — 300 psi (20.684 bar)
- Hose swivel torque — 240 in-lb max at 100 psi (6.894 bar)
- Operating temperatures — -25°F to +155°F (-31.66°C to +65.55°C)
- Inlets to mate male or female NPT or BSPP camlocks, D-1/D-2/D-3 nozzle, hose barbs available. Special inlets available on request.
- Hose swivel integral to part, except when options 1-5 are specified

Ordering Data



Part 2

The basic model may be ordered with various accessories by adding one, or more of the letters listed in the table, right.

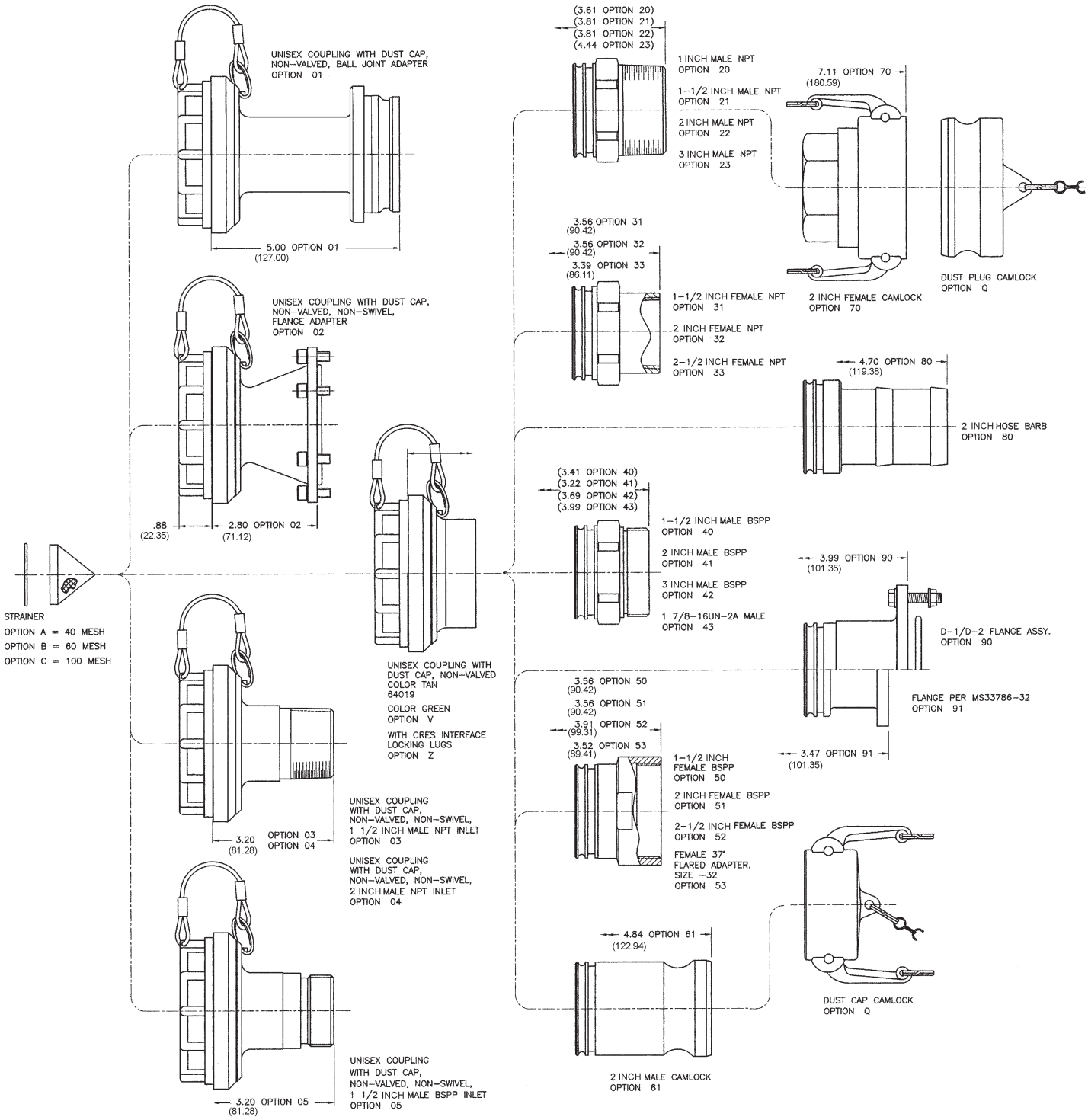
Option Letter	Description	Option Letter	Description
A	Adds 40-mesh strainer	Q	Adds dust cap/plug, camlock type
B	Adds 60-mesh strainer	V	Changes exterior color to green
C	Adds 100-mesh strainer	Z	CRES interface locking lugs (not available with options 1-5)

Part 3

The basic model may be ordered with various options by adding one or more of the numbers listed in the table, right. The basic unit has no inlet fitting and meets the tan color requirement, hence an option letter and/or number must be specified to achieve a complete unit.

Option No.	Description	Option No.	Description
1	With ball joint adapter	41	Adds 2 inch BSPP male adapter
2	With flange inlet, non-swivel	42	Adds 3 inch BSPP male adapter
3	With 1-½ inch NPT male inlet, non-swivel	43	Adds 1-7/8–16UN–2A male adapter (adapts to GFA nozzle)
4	With 2 inch NPT male inlet, non-swivel	50	Adds 1-½ inch BSPP female adapter
5	With 1-½ inch BSPP male inlet, non-swivel	51	Adds 2 inch BSPP female adapter
20	Adds 1 inch NPT male adapter	52	Adds 2-½ inch BSPP female adapter
21	Adds 1-½ inch NPT male adapter	53	Adds female 37° flared adapter, size -32
22	Adds 2 inch NPT male adapter	61	Adds 2 inch camlock, male
23	Adds 3 inch NPT male adapter	70	Adds 2 inch camlock, female
31	Adds 1-½ inch NPT female adapter	80	Adds 2 inch hose barb
32	Adds 2 inch NPT female adapter	90	Adds D-1/D-2/D-3 flange inlet
33	Adds 2-½ inch NPT female adapter	91	Adds flange adapter per MS33786-32
40	Adds 1-½ inch BSPP male adapter		

Illustrated Options & Envelope Dimensions



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