



A coupling assembly general purpose is used to connect a low-pressure fluid joint by enclosing a sleeve installed over and constraining fixed cavity ferrules to create a pressure seal and electrical continuity path across the ferrules.

Eaton's Gamah Series CA37200 coupler is based on the dimensional requirements set forth in the Aerospace Standard (AS) 5830 for a Coupling Assembly: threadless, flexible, fixed cavity, current carrying, and self-bonding. Eaton's Gamah Series CA37200 includes multiple design features that make the coupler compliant to FAA Federal Aviation Regulation (FAR) 25.981 for Fuel Tank Ignition prevention.

This coupler in sizes from 0.5" to 4.0" in diameter is used extensively on the Boeing 787 aircraft platform in the tubing system for the wing fuel boxes.

FEATURES

- Ideal lightweight flexible coupling for aerospace fuel systems
- Allows four degrees of angulation per joint
- One-handed assembly and removal
- Tested and qualified under "on-aircraft" conditions at maximum restrained angulation

MATERIAL

- Aluminum

Specifications

MODEL	OPERATING PRESSURE (psi/kPa)	BURST PRESSURE (psi/kPa)	PROOF PRESSURE (psi/kPa)	OPERATING TEMPERATURE
Series 372 Aluminum	60/413.6	360/2482.1	240/1654.7	Air -65°F to 220°F (-53.8°C to 104.4°C) Fluid -65°F to 265°F (-53.8°C to 129.4°C)

The coupling assembly has been qualified to and meets the requirements of MIL-C-22263B and Boeing 787 fuel system performance requirements.

Compliant to FAA Federal Regulation (FAR) 25.981.

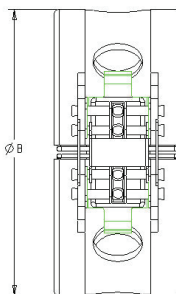
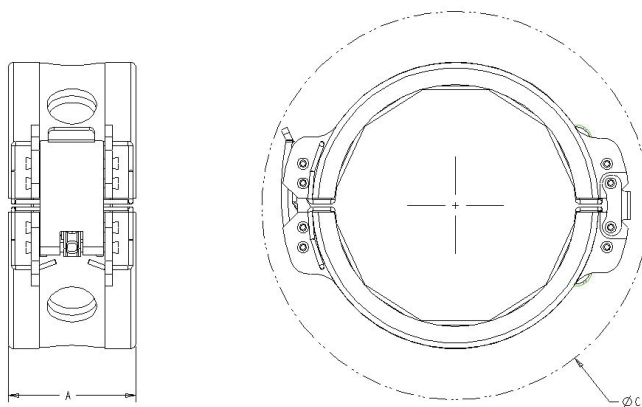
Self Bonding: Electrical Bonding to class "S" of MIL-B-5087B is automatically provided when the coupling is assembled.

ORDERING INFORMATION

Tube O.D. (in/mm)	Eaton Part Number	787 SCD S781Z004 Part Number	Sleeve Part Number	O-Ring Size Per AS568	A Max (in/mm)	ØB Max (in/mm)	ØC Max (Closed Latch) (in/mm)	Weight (lb/kg)
.500/12.7	CA37205A	S781Z004-08	G37005A	-015	.895/22.7	1.170/29.7	1.85/46.9	.045/.020
.750/19.0	CA37207A	S781Z004-12	G37007A	-117	1.019/25.8	1.480/37.5	2.16/54.8	.057/.025
1.000/25.4	CA37210A	S781Z004-16	G37010A	-215	1.107/28.1	1.770/44.9	2.45/62.2	.071/.032
1.250/31.7	CA37212A	S781Z004-20	G37012A	-218	1.107/28.1	2.020/51.3	2.70/68.5	.079/.035
1.500/38.0	CA37215A	S781Z004-24	G37015A	-222	1.107/28.1	2.300/58.4	2.98/75.6	.093/.042
1.750/44.4	CA37217A	S781Z004-28	G37017A	-224	1.107/28.1	2.560/65.0	3.24/82.2	.109/.049
2.000/50.8	CA37220A	S781Z004-32	G37020A	-226	1.161/29.4	2.840/72.1	3.52/89.4	.126/.057
2.500/63.5	CA37225A	S781Z004-40	G37025A	-230	1.171/29.7	3.350/85.0	4.03/102.3	.150/.068
3.000/76.1	CA37230A	S781Z004-48	G37030A	-234	1.211/30.7	3.870/98.2	4.55/115.5	.200/.090
3.500/88.8	CA37235A	S781Z004-56	G37035A	-238	1.301/33.0	4.410/112.0	5.09/129.2	.245/.111
4.000/101.6	CA37240A	S781Z004-64	G37040A	-242	1.330/33.7	4.930/125.2	5.61/142.4	.279/.126

Coupling assembly consists of: CA372 (size) (matl) clamshell assembly.

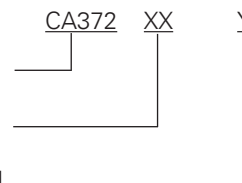
The following items need to be ordered separately: FS37000 (swaged) or FWM37000 (welded) flange, O-ring seals (2 required), G37000 sleeve (1 required).



Series

XX = Size in 10ths

A = AL 2024, Anodized



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