



Eaton's Aeroquip Low Profile, Self-Sealing Hydraulic "B" Nut Fittings combine a small envelope size with minimal weight for high and low pressure hydraulic systems.

Developed for use on the C-17 program, these\* Hydraulic "B" Nut Fittings are qualified to the applicable classes of AS1896.

\* Other materials and configurations are available. Please contact Eaton's Technical Support in Jackson, Michigan.

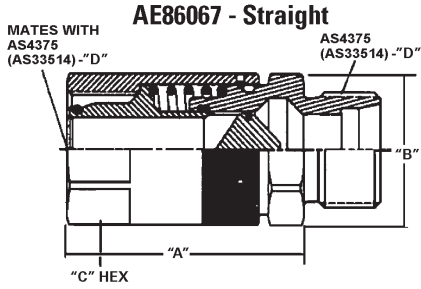
### Design Data

<b>Part Numbers:</b>	(Class 1000):	AE86067 (straight) AE86068 (90°)
	(Class 4000):	AE86053 (straight) AE86054 (90°)
<b>Material:</b>	(Class 1000):	Aluminum
	(Class 4000):	Titanium
<b>Application:</b>	MIL-H-83282	
<b>Temperature:</b>	-40°F to +275°F (-40°C to +135°C)	

<b>Pressure Rating:</b>	<b>Class 1000</b>		<b>Class 4000</b>	
	<b>psi</b>	<b>(bar)</b>	<b>psi</b>	<b>(bar)</b>
<b>Operating</b>	1,000	(62.96)	4,000	(251.84)
<b>Proof</b>	1,500	(94.44)	6,000	(377.76)
<b>Burst</b>	2,500	(157.40)	10,000	(429.60)

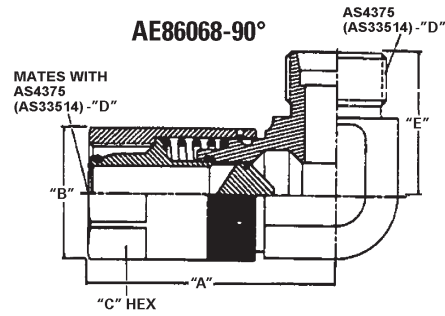
# Design Data

## Class 1000 - Aluminum



Part Number	A Ref.	B Dia.	C Hex	D
AE86067G	1.54 (39.12)	0.90 (22.86)	0.69 (17.53)	-6
AE86067H	1.89 (48.01)	1.10 (27.94)	0.88 (22.35)	-8
AE86067J	2.10 (53.34)	1.24 (31.5)	1.00 (25.4)	-10
AE86067K	2.18 (55.37)	1.39 (35.31)	1.25 (31.75)	-12
AE86067M	2.40 (60.96)	1.79 (45.47)	1.50 (38.10)	-16
AE86067N	2.96 (75.18)	2.06 (52.32)	1.88 (47.75)	-20

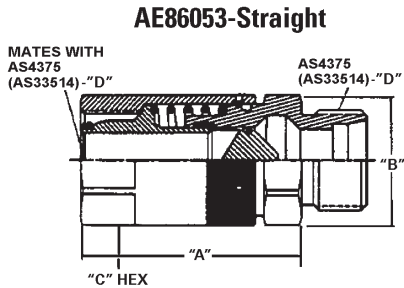
Dimensions shown in inches (mm)



Part Number	A Ref.	B Dia.	C Hex	D	E Max.
AE86068G	1.66 (42.16)	0.85 (21.59)	0.69 (17.53)	-6	1.086 (27.584)
AE86068H	2.16 (54.86)	1.10 (27.94)	0.88 (22.35)	-8	1.220 (30.99)
AE86068J	2.48 (62.99)	1.24 (31.5)	1.00 (25.40)	-10	1.370 (34.8)
AE86068K	2.59 (65.79)	1.39 (35.31)	1.25 (31.75)	-12	1.520 (38.61)
AE86068M	2.90 (73.66)	1.65 (41.97)	1.50 (38.10)	-16	1.700 (43.18)
AE86068N	2.99 (75.95)	2.06 (52.32)	1.88 (47.75)	-20	1.901 (48.285)

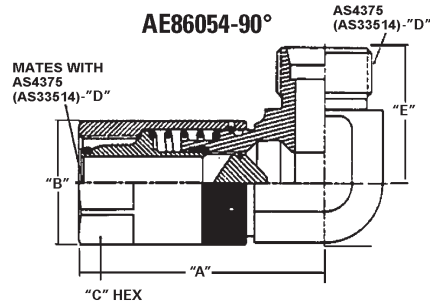
Dimensions shown in inches (mm)

## Class 4000 - Titanium



Part Number	A Ref.	B Dia.	C Hex	D
AE86053G	1.66 (42.16)	0.90 (22.86)	0.69 (17.53)	-6
AE86053H	1.99 (50.55)	1.10 (27.94)	0.88 (22.35)	-8
AE86053J	2.27 (57.66)	1.24 (31.5)	1.00 (25.4)	-10
AE86053K	2.34 (59.44)	1.39 (35.31)	1.25 (31.75)	-12
AE86053M	2.49 (63.25)	1.79 (45.47)	1.50 (38.10)	-16
AE86053N	2.68 (68.07)	2.06 (52.32)	1.88 (47.75)	-20

Dimensions shown in inches (mm)



Part Number	A Ref.	B Dia.	C Hex	D	E Max.
AE86054G	1.74 (44.20)	0.85 (21.59)	0.69 (17.53)	-6	1.080 (17.43)
AE86054H	2.20 (55.88)	1.10 (27.94)	0.88 (22.35)	-8	1.220 (30.99)
AE86054J	2.55 (64.77)	1.24 (31.50)	1.00 (25.40)	-10	1.370 (34.8)
AE86054K	2.72 (69.14)	1.39 (35.31)	1.25 (31.75)	-12	1.520 (38.61)
AE86054M	3.05 (77.47)	1.65 (41.91)	1.50 (38.10)	-16	1.700 (43.18)
AE86054N	3.14 (79.77)	2.06 (52.32)	1.88 (47.75)	-20	1.880 (47.75)

Dimensions shown in inches (mm)

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