

# Aeroquip® Brand

## Low Profile, Self-Sealing Hydraulic “B” Nuts



Eaton's Aeroquip brand 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)	

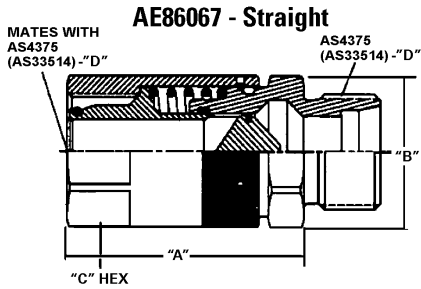
<b>Pressure Rating:</b>	<b>Class 1000</b> psi (bar)	<b>Class 4000</b> psi (bar)
<b>Operating</b>	1,000 (62.96)	4,000 (251.84)
<b>Proof</b>	1,500 (94.44)	6,000 (377.76)
<b>Burst</b>	2,500 (157.40)	10,000 (429.60)



Powering Business Worldwide

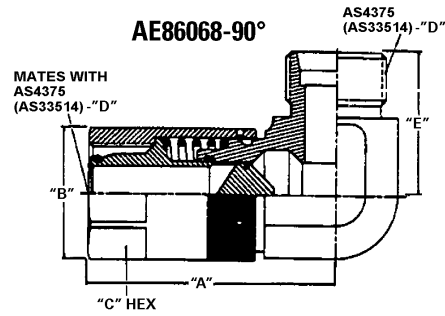
# Design Data

## Class 1000 - Aluminum



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

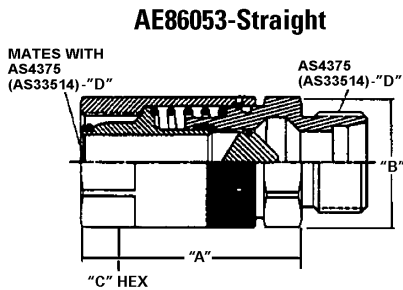
Dimensions shown in inches (mm)



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

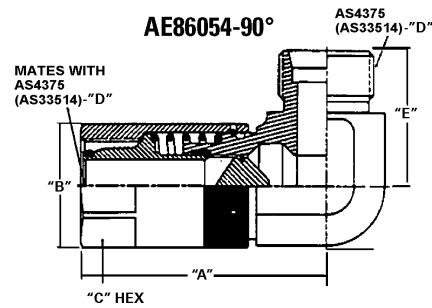
Dimensions shown in inches (mm)

## Class 4000 - Titanium



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

Dimensions shown in inches (mm)



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

Dimensions shown in inches (mm)