

# Metallic Systems

## Accessories - Lock Nuts



### Technical Characteristics

Conforms to	Metric Threads EN60423 & BS3643 PG Threads DIN 40430 NPT Threads ANSI ASME B1.20.1
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### Approvals and Standards

Degree of mechanical protection	High
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Degree of protection	N/A
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UV protection	Very High
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Fitting characteristics	Female threaded locknut
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Application	For securing threaded fittings into knockouts and fixing holes
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Normal operating temperature range	Application	Min Temp	Max Temp
	Static	- 50°C	+350°C
	Dynamic	- 45°C	+250°C

For use with - Fittings	All Metallic fittings in the Adaptaflex range
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Fire performance	<b>Test Standard</b>	<b>Performance Rating</b>
	Not Rated	Not Rated

Testing data	N/A
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Type of material	Nickel Plated Brass (LNB) or Galvanised Steel (LNS)
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Image



# Metallic Systems

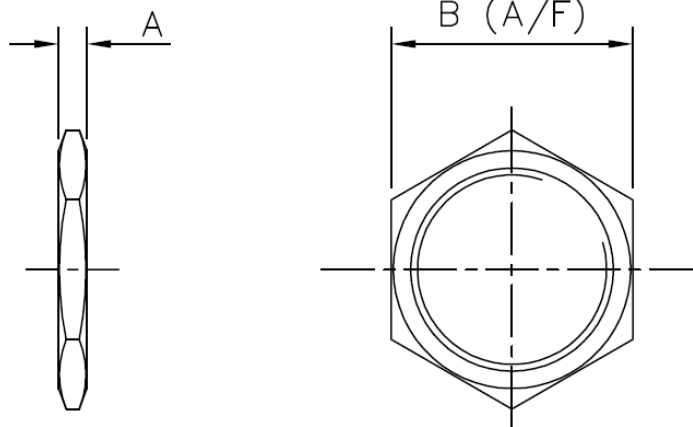
## Accessories - Lock Nuts



### Dimensional & Thread Data

Part No	Thread Size	Nominal Dimensions (mm)	
		A	B
LNB/M12x1	M10 x 1.0	3.0	17.0
LNB/M12	M12 x 1.5	3.0	17.0
LNB/M16	M16 x 1.5	3.0	20.0
LNB/M20	M20 x 1.5	3.0	24.0
LNB/M25	M25 x 1.5	3.5	30.0
LNB/M32	M32 x 1.5	5.0	38.0
LNB/M40	M40 x 1.5	5.0	50.0
LNB/M50	M50 x 1.5	6.0	60.0
LNB/M63	M63 x 1.5	7.5	70.0
LNB/M75	M75 x 1.5	7.5	84.0

Metric	Standard thread conforming to EN60423 & BS3643			
	Thread Size mm	Ext Thread Outside Diameter	Int Thread Inside Diameter	Pitch
M12	12.0	10.4	1.5	
M16	16.0	14.4	1.5	
M20	20.0	18.4	1.5	
M25	25.0	23.4	1.5	
M32	32.0	30.4	1.5	
M40	40.0	38.4	1.5	
M50	50.0	48.4	1.5	
M63	63.0	61.4	1.5	
M75	75.0	73.4	1.5	



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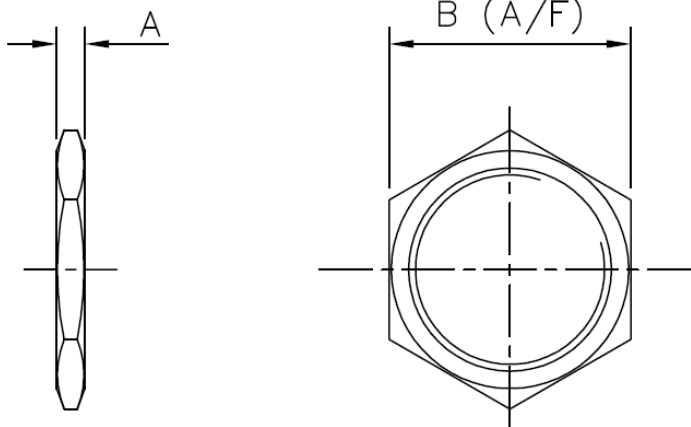
## Accessories - Lock Nuts



### Dimensional & Thread Data

Part No	Thread Size	Nominal Dimensions (mm)	
		A	B
LNB/PG7	PG7	3.0	17.0
LNB/PG9	PG9	3.0	17.0
LNB/PG11	PG11	3.0	20.0
LNB/PG13	PG13.5	3.0	24.0
LNB/PG16	PG16	3.5	30.0
LNB/PG21	PG21	3.5	38.0
LNB/PG29	PG29	4.0	50.0
LNB/PG36	PG36	5.0	60.0
LNB/PG42	PG42	5.0	70.0
LNB/PG48	PG48	5.0	84.0

PG	German Standard thread conforming to DIN40430		
Thread Size	Ext Thread Outside Diameter	Int Thread Inside Diameter	Pitch
PG7	12.5	11.3	1.27
PG9	15.2	13.9	1.41
PG11	18.6	17.3	1.41
PG13.5	20.4	19.1	1.41
PG16	22.5	21.2	1.41
PG21	28.3	26.8	1.59
PG29	37.0	35.5	1.59
PG36	47.0	45.5	1.59
PG42	54.0	52.2	1.59
PG48	59.3	57.8	1.59



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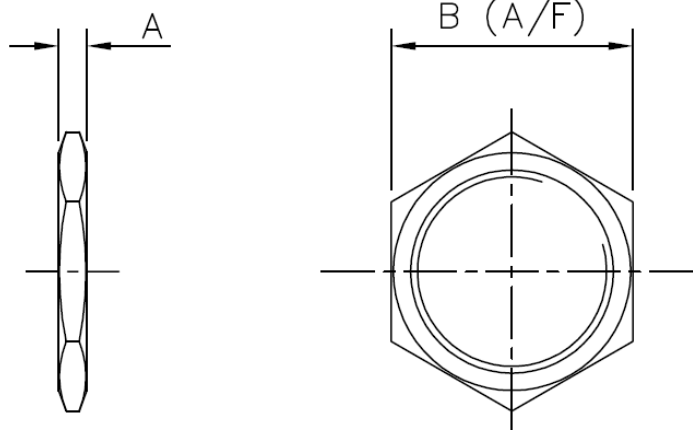
## Accessories - Lock Nuts



### Dimensional & Thread Data

Part No	Thread Size	Nominal Dimensions (mm)	
		A	B
LNS/M16	M16 x 1.5	3.0	23.5
LNS/M20	M20 x 1.5	3.0	28.0
LNS/M25	M25 x 1.5	3.0	33.0
LNS/M32	M32 x 1.5	3.0	41.0
LNS/M40	M40 x 1.5	4.0	51.4
LNS/M50	M50 x 1.5	3.0	62.2
LNS/M75	M75 x 1.5	5.6	92.2

Metric	Standard thread conforming to EN60423 & BS3643		
	Thread Size mm	Ext Thread Outside Diameter	Int Thread Inside Diameter
M12	12.0	10.4	1.5
M16	16.0	14.4	1.5
M20	20.0	18.4	1.5
M25	25.0	23.4	1.5
M32	32.0	30.4	1.5
M40	40.0	38.4	1.5
M50	50.0	48.4	1.5
M63	63.0	61.4	1.5
M75	75.0	73.4	1.5



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## Accessories - Lock Nuts

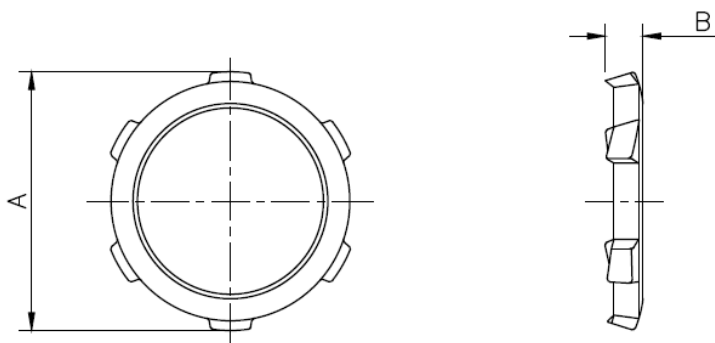


### Dimensional & Thread Data

Part No	Thread Size	Nominal Dimensions (Inches)	
		A	B
LNS/050	1/2" NPT	1.122	0.209
LNS/075	3/4" NPT	1.319	0.236
LNS/100	1" NPT	1.713	0.236
LNS/125	1 1/4" NPT	2.055	0.236
LNS/150	1 1/2" NPT	2.374	0.228
LNS/200	2" NPT	2.854	0.268

Part No	Thread Size	Nominal Dimensions (mm)	
		A	B
LNS/050	1/2" NPT	28.5	5.3
LNS/075	3/4" NPT	33.5	6.0
LNS/100	1" NPT	43.5	6.0
LNS/125	1 1/4" NPT	52.2	6.0
LNS/150	1 1/2" NPT	60.3	5.8
LNS/200	2" NPT	72.5	6.8

NPT	US taper seal pipe thread conforming to ANSI/ASME B1.20.1-1983	
Thread Size Inch	Ext Thread Outside Diameter	Pitch
-	-	-
3/8"	16.7	1.14
1/2"	21.0	1.81
3/4"	26.4	1.81
1"	33.3	2.21
1 1/4"	41.9	2.21
1 1/2"	47.8	2.21
2"	59.6	2.21



# Metallic Systems

## Accessories - Lock Nuts



### Chemical Resistance Chart

#### Nickel Plated Brass Chemical Resistance

● Astm No.1	● Diesel oil	● Methyl Bromide	● Sulphur Dioxide (Gas)
● Astm No.2	● Diethylamine	● MEK	● Sulphuric Acid (10%)
● Astm No.3	● Ethanol	● Nitric Acid (10%)	● Sulphuric Acid (70%)
● Acetic Acid (10%)	● Ether	● Nitric Acid (70%)	● Toluene
● Acetone	● Ethylamine	● Oxalic Acid	● Transformer Oil
● Aluminium Chloride	● Ethylene Glycol	● Ozone (Gas)	● 1,1,1-Trichloroethane
● Aniline	● Ethyl Ethanoate	● Paraffin oil	● Trichloroethylene
● Benzaldehyde	● Freon 32	● Petrol	● Turpentine
● Benzene	● Hydrochloric Acid (10%)	● Phenol	● Vegetable Oil
● Carbon tetrachloride	● Hydrochloric Acid (36%)	● Sea Water	● Vinyl Acetate
● Chlorine water	● Hydrogen Peroxide (35%)	● Silver Nitrate	● Water
● Chloroform	● Hydrogen Peroxide (87%)	● Skydrol	● White Spirit
● Citric Acid	● Lactic Acid	● Sodium Chloride	● Zinc Chloride
● Copper Sulphate	● Lubricating oil	● Sodium Hydroxide (10%)	
● Cresol	● Methanol	● Sodium Hydroxide (60%)	

**Key:**

Suitable :



Limited Suitability :



Unsuitable :



Not Tested :



#### Galvanised Steel Chemical Resistance

● Astm No.1	● Diesel oil	● Methyl Bromide	● Sulphur Dioxide (Gas)
● Astm No.2	● Diethylamine	● MEK	● Sulphuric Acid (10%)
● Astm No.3	● Ethanol	● Nitric Acid (10%)	● Sulphuric Acid (70%)
● Acetic Acid (10%)	● Ether	● Nitric Acid (70%)	● Toluene
● Acetone	● Ethylamine	● Oxalic Acid	● Transformer Oil
● Aluminium Chloride	● Ethylene Glycol	● Ozone (Gas)	● 1,1,1-Trichloroethane
● Aniline	● Ethyl Ethanoate	● Paraffin oil	● Trichloroethylene
● Benzaldehyde	● Freon 32	● Petrol	● Turpentine
● Benzene	● Hydrochloric Acid (10%)	● Phenol	● Vegetable Oil
● Carbon tetrachloride	● Hydrochloric Acid (36%)	● Sea Water	● Vinyl Acetate
● Chlorine water	● Hydrogen Peroxide (35%)	● Silver Nitrate	● Water
● Chloroform	● Hydrogen Peroxide (87%)	● Skydrol	● White Spirit
● Citric Acid	● Lactic Acid	● Sodium Chloride	● Zinc Chloride
● Copper Sulphate	● Lubricating oil	● Sodium Hydroxide (10%)	
● Cresol	● Methanol	● Sodium Hydroxide (60%)	

The information above is given as a guide only and is based on published technical data and experience. The chemical resistance of the above products is dependant on factors such as chemical exposure, concentration of the chemical and temperature. The above chemicals are valid for a temperature of 23°C. Use of the above table is at the users own discretion and risk. Those using it must satisfy themselves that their application presents no health and safety risks. The end user should assess compatibility with their application and contact Thomas & Betts for further information.

ADHERENCE TO THE CURRENT WIRING REGULATIONS BS7671 OR NEC WIRING REGULATIONS (FOR USA) IS STRONGLY ADVISED.

MINIMUM BEND RADIUS FOR FLEXING IS DEPENDANT UPON MINIMUM TEMPERATURE, BENDING FREQUENCY AND CHEMICAL ENVIRONMENT.