Technical Data Sheet

Type LNSS
316 Stainless steel locknut

316 Stainless steel locknut for securing threaded fittings into knocknuts and fixing holes

Features

- Female threaded locknut, made from 316 Stainless Steel
- Very high corrosion resistance

Degrees of Mechanical Protection
Very high corrosion resistance
Very high chemical resistance

Conformity
Metric Threads EN60423 & BS3643
NPSL Threads ANSI ASME B1.20.1

Approvals
N/A

Fire Performance	
Test Standard	Performance Rating
N/A	N/A

Type of Material	Finish
EN 1.4404	N/A
ASTM 316L	N/A

IP Rating	Appropriate Fitting
N/A	N/A

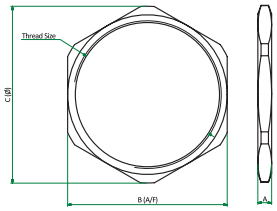
UV Protection
N/A

Temperature Range
Static Application: -50ºC to +350ºC
Dynamic Application: -45ºC to +250ºC

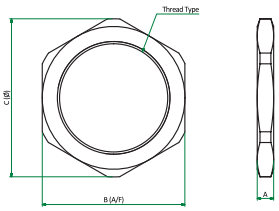
Testing Data
N/A

Fitting Characteristics
Female threaded locknut

METRIC Part No.	Thread Size	Nominal Dimensions (mm)			GID Code
		A	B	C	
LNSS/M16	M16 x 1.5	3.0	20.0	21.1	7TCA296120R0061
LNSS/M20	M20 x 1.5	3.5	24.0	26.6	7TCA296120R0062
LNSS/M25	M25 x 1.5	4.0	30.0	33.2	7TCA296120R0063
LNSS/M32	M32 x 1.5	5.0	36.0	39.9	7TCA296120R0064
LNSS/M40	M40 x 1.5	5.0	47.2	52.3	7TCA296120R0072
LNSS/M50	M50 x 1.5	5.0	60.3	66.5	7TCA296120R0073
LNSS/M63	M63 x 1.5	6.0	69.8	77.6	7TCA296120R0074



NPSL Part No.	Thread Size	Nominal Dimensions (mm)			GID Code
		A	B	C	
LNSS/038	3/8“	3.0	20.0	21.1	7TCA296120R0075
LNSS/050	1/2“	3.0	27.0	30.0	7TCA296120R0076
LNSS/075	3/4“	3.5	30.0	33.2	7TCA296120R0077
LNSS/100	1“	5.0	38.0	42.0	7TCA296120R0078
LNSS/125	1 1/4“	5.5	52.0	57.5	7TCA296120R0079
LNSS/150	1 1/2“	6.0	60.0	66.5	7TCA296120R0080
LNSS/200	2“	7.0	69.8	77.0	7TCA296120R0081



Size Metric / NPT	Torque (N.m)
M16 / 3/8”	20
M20 / 1/2”	25
M25 / 3/4”	30
M32 / 1”	35
M40 / 1 1/4”	35
M50 / 1 1/2”	40
M63 / 2”	40

General guidelines actual installation may vary

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Stainless 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%)	

Key:

Suitable
Limited Suitability
Unsuitable
Not Tested

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 ABB 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.

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