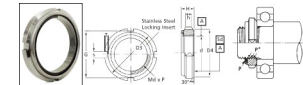




MBA Locknuts



Other Info:
Construction Function: The lock nut comprises a nut and a friction ring (special spring). The friction ring is united to the top face of the nut by caulking. A stress P₁ is produced by the spring effect if the friction ring contacts a screw thread as shown in the diagram (above). The P₁ and its reaction force P₂ press the screw threads strongly to produce a frictional torque (prevailing torque) preventing the turning of the screw, generating an excellent locking effect.

SS Series available as standard: SC (High Carbon) & SUS (Stainless) Series available
 P.C.A. (Bot threads must be equivalent to ISO 965 Medium Quality) • Top of bolt thread (first 1 pitch) must be chamfered.

Do not attach to a shaft with a keyway • Use lubricating oil for insulating.
 • The springing mount must not be hit or excessively forced. • Subject to dimensional change for improvement • Tighten the nut so that, at least, two external screw threads shall appear above the friction ring. Keyways not required. • Reduction of designing process • No scrubbing process required • No turning process required • No material handling process.

Washers not required • Elimination of deviation in flatness, hardness and dimensions
 Elimination of tightening torque deviations • Elimination of failures due to the neglect of bending the tongue of the washer • Less tightening time • Easy assembly and disassembly
 Improved shaft performance • Improvement of rotation balance (elimination of deflection).
 • Increased shaft and external thread strength • Hollow shafts eligible
 Improved Accuracy • Accuracy of nut threads: ISO 965 • Medium Quality (JIS Class 2)
 • Elimination of Backlash (play).

Nut Body: Low Carbon Steel.

Locking Insert: Stainless Steel Hardness HB 201-269.

This catalogue to be read in conjunction with information at <http://www.minibearings.com.au/ogue/tech/locknuts/fu-ss.pdf>

Locknuts

Part Number	Thread Size	Diameter mm	Distance from Groove to Groove mm	Depth of Groove (T) mm	Thickness of Groove (S) mm	Overall Thickness mm	Nut Prevailing Torque Nm	Max Tightening Nm	Proof Load kN
		<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>			
# FU00SS	M10x0.75	18-0.2	14-0.2	2.00 0.079	3+/-0.1	5.2+/-0.3	1.00	16.60	9.30
# FU01SS	M12x1.00	22-0.2	18-0.2	2.00 0.079	3+/-0.1	5.4+/-0.3	1.30	23.50	10.70
# FU02SS	M15x1.00	25-0.5	21-0.5	2.00 0.079	4+/-0.2	6.5+/-0.5	1.90	47.00	17.40
# FU03SS	M17x1.00	28-0.5	24-0.5	2.00 0.079	4+/-0.2	6.4+/-0.5	3.00	60.70	19.60

Indicates item not stocked at time of printing - Please enquire for lead time
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Locknuts

Part Number	Thread Size	Diameter mm	Distance from Groove to Groove mm	Depth of Groove (T) mm	Thickness of Groove (S) mm	Overall Thickness mm	Nut Prevailing Torque Nm	Max Tightening Nm	Proof Load kN
		<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>			
# FU04SS	M20x1.00	32-0.5	28-0.5	2.00 <i>0.079</i>	4+/-0.2	7.7+/-0.5	4.30	102.00	28.40
# FU05SS	M25x1.50	38-0.5	34-0.5	2.00 <i>0.079</i>	5+/-0.2	9.1+/-0.5	9.00	184.00	40.10
# FU06SS	M30x1.50	45-0.5	41-0.5	2.00 <i>0.079</i>	5+/-0.2	9.1+/-0.8	13.50	246.00	48.40
# FU07SS	M35x1.50	52-0.5	48-0.5	2.00 <i>0.079</i>	5+/-0.2	10.2+/-0.8	19.50	417.00	65.10
# FU08SS	M40x1.50	58-0.5	53-0.5	2.50 <i>0.098</i>	6+/-0.2	11.2+/-0.8	25.00	621.00	85.20
# FU09SS	M45x1.50	65-0.5	60-0.5	2.50 <i>0.098</i>	6+/-0.2	12.5+/-1.0	26.50	872.00	107.00
# FU10SS	M50x1.50	70-0.5	65-0.5	2.50 <i>0.098</i>	6+/-0.2	13.5+/-1.0	29.00	1180.00	131.00
# FU11SUS	M55x2.00	75-0.5	69-0.5	3.00 <i>0.118</i>	7+/-0.2	13.5+/-1.0	34.00	1401.00	142.00
# FU11SS	M55x2.00	75-0.5	69-0.5	3.00 <i>0.118</i>	7+/-0.2	13.5+/-1.0	34.00	1401.00	142.00
# FU12SS	M60x2.00	80-0.5	74-0.5	3.00 <i>0.118</i>	7+/-0.2	13.5+/-1.0	42.00	1666.00	155.00

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Part Number	Thread Size	Diameter mm	Distance from Groove to Groove mm	Depth of Groove (T) mm	Thickness of Groove (S) mm	Overall Thickness mm	Nut Prevailing Torque Nm	Max Tightening Nm	Proof Load kN
		<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>inches</i>			
# FU13SS	M65x2.00	85-0.5	79-0.5	3.00 <i>0.118</i>	7+/-0.2	15.0+/-1.5	46.00	2146.00	184.00
# FU14SS	M70x2.00	92-0.5	85-0.5	3.50 <i>0.138</i>	8+/-0.2	15.0+/-1.5	53.00	2489.00	199.00
# FU15SS	M75x2.00	98-0.5	91-0.5	3.50 <i>0.138</i>	8+/-0.2	15.8+/-1.5	63.00	3116.00	232.00
# FU16SS	M80x2.00	105-0.5	98-0.5	3.50 <i>0.138</i>	8+/-0.2	18.6+/-1.5	68.00	4116.00	289.00
# FU17SS	M85x2.00	110-0.5	103-0.5	3.50 <i>0.138</i>	8+/-0.2	19.2+/-1.5	70.00	4969.00	329.00
# FU18SS	M90x2.00	120-0.5	112-0.5	4.00 <i>0.157</i>	10+/-0.3	20.3+/-1.5	75.00	5566.00	349.00
# FU19SS	M95x2.00	125-0.5	117-0.5	4.00 <i>0.157</i>	10+/-0.3	21.3+/-1.5	83.00	6615.00	393.00
# FU20SS	M100x2.00	130-0.5	122-0.5	4.00 <i>0.157</i>	10+/-0.3	22.3+/-1.5	88.00	7771.00	439.00

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<http://www.minibearings.com.au/product>

Ph +61 7 3245 7977

Fax +61 7 3245 1017

Catalogue requests to catalogues@minibearings.com.au
