

Retaining Ring Lock Nut

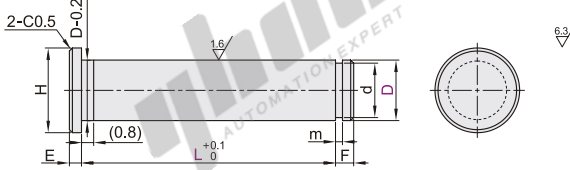
Diameter Tolerance Selectable Type

Pivot Pins with Shoulder

Code		Material		Hardness	Surface Treatment	Accessory				
Retaining Ring	Lock Nut	GB	Equiv.			Retaining Ring Name	Retaining Ring Material	Lock Nut Name	Lock Nut Material	
MIT01	—	45	S45C	40~45HRC	Black Oxide	Retaining Ring	Spring Steel	U Nut	Zinc-plated	
MIT02	MIT22					Ring	Stainless Steel	1Pc.	Stainless Steel	Stainless Steel
MIT04	MIT24					Ring	Stainless Steel	1Pc.	Stainless Steel	Stainless Steel
MIT11	—	0Cr18Ni9	SUS304	—	—	—	—	—	—	

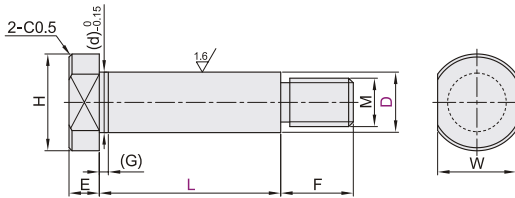
Retaining Ring

MIT01
MIT02
MIT04
MIT11

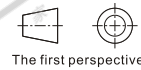


Lock Nut

MIT22
MIT24



Process hole processing conditions: $4 \leq D \leq 11$ and total length ≥ 70 ;
 $11 < D \leq 18$ and total length ≥ 90 ; $D > 18$ and total length ≥ 110 .
(Refer to P379 for detailed dimensions of the process hole)



D	Tolerance Selection		
	M	P	H
2-3	+0.008 +0.002	+0.012 +0.006	0 -0.010
4-5-6	+0.012 +0.004	+0.020 +0.012	0 -0.012
8-10	+0.015 +0.006	+0.024 +0.015	0 -0.015
12~18	+0.018 +0.007	+0.029 +0.018	0 -0.018
20~25	+0.021 +0.008	+0.035 +0.022	0 -0.021

D	Tolerance Selection		
	F	C	T \times
2-3	-0.006 -0.020	-0.060 -0.065	-0.025 -0.034
4-5-6	-0.010 -0.028	-0.070 -0.100	-0.025 -0.037
8-10	-0.013 -0.035	-0.060 -0.116	-0.025 -0.040
12~18	-0.016 -0.043	-0.095 -0.138	-0.025 -0.043
20~25	-0.020 -0.053	-0.110 -0.162	-0.025 -0.046

\times Tolerances are recommended values for Multi-Layer Oil Free Bushings.

D Diameter ($d_{0.15}$) is the reference size.

Retaining Ring

Code	Part Number	Tol.	D	L	0.1 mm Inc.	m	F	d	E	H	Attached Retaining Ring
MIT02	3	5.0~55.0	0.5	+0.06 0	2	5.5	2				
MIT04	4	5.0~55.0	0.5	+0.075 0	2	6.5	E				
MIT11	5	10.0~65.0	0.7	+0.1 0	4	8	Type 4				
	6	10.0~110.0	0.9	+0.08 -0.09	5	9	5				
	8	10.0~110.0	0.9	+0.08 -0.09	7	12	7				
	10	15.0~110.0	1.15	+0.11 0	9.6	14	10				
	12	15.0~220.0	1.15	+0.11 0	11.5	17	12				
	13	15.0~220.0	1.15	+0.11 0	12.4	18	13				
	14	25.0~220.0	1.35	+0.14 0	13.4	19	14				
	15	25.0~220.0	1.35	+0.14 0	14.3	20	C				
	16	25.0~220.0	1.35	+0.14 0	15.2	21	Type 16				
	17	30.0~220.0	1.35	+0.14 0	16.2	22	17				
	18	30.0~220.0	1.35	+0.14 0	17	23	18				
	20	30.0~220.0	1.35	+0.14 0	19	26	20				
	22	30.0~220.0	1.35	+0.14 0	21	27	22				
	25	30.0~220.0	1.35	+0.14 0	23.9	31	25				

Lock Nut

Code	Part Number	Tol.	D	L	0.1 mm Inc.	H	W	E	F	(d)	(G)	M	Included Nut
MIT24	5	5.0~65.0	9	7	4	6	4.9	M4	M4 \times 0.7				
	6	5.0~65.0	10	8	4	9	5.8	M5	M5 \times 0.8				
	8	10.0~110.0	13	10	4	9	7.8	M6	M6 \times 1.0				
	10	10.0~110.0	16	13	4	12	9.8	M8	M8 \times 1.25				
	12	15.0~220.0	18	14	4	16	11.8	M10	M10 \times 1.5				
	13	15.0~220.0	18	14	4	16	11.8						
	14	25.0~220.0	24	21	5	18	13.8	1.5					
	15	25.0~220.0	24	21	5	18	14.8						
	16	25.0~220.0	24	21	5	18	15.8	M12	M12 \times 1.75				
	17	30.0~220.0	27	23	5	19.8	17.8						
	18	30.0~220.0	27	23	5	19.8	17.8						
	20	30.0~220.0	27	23	5	19.8	17.8						
	22	30.0~220.0	27	23	5	19.8	17.8						
	25	30.0~220.0	30	27	5	24.8	21.8	M16	M16 \times 2.0				



Optional Processing

Code	Spec.																		
EF()	Change Shoulder Thickness Ordering Code: EF3 0.5 mm Inc. EF=2~5 Not applicable to Retaining Ring Type.																		
EE()	Change Shoulder Thickness Ordering Code: EE3 0.5 mm Inc. EE=E~5 Not applicable to Lock Nut Type.																		
MC()	Change Thread Diameter Ordering Code: MC3 <table border="1"> <thead> <tr> <th>D</th> <th>MC</th> </tr> </thead> <tbody> <tr><td>5</td><td>3</td></tr> <tr><td>6</td><td>3 4</td></tr> <tr><td>8</td><td>3 4 5</td></tr> <tr><td>10</td><td>4 5 6</td></tr> <tr><td>12</td><td>5 6 8</td></tr> <tr><td>13~18</td><td>6 8 10</td></tr> <tr><td>20~22</td><td>8 10 12</td></tr> <tr><td>25</td><td>10 12</td></tr> </tbody> </table> Not applicable to Retaining Ring Type.	D	MC	5	3	6	3 4	8	3 4 5	10	4 5 6	12	5 6 8	13~18	6 8 10	20~22	8 10 12	25	10 12
D	MC																		
5	3																		
6	3 4																		
8	3 4 5																		
10	4 5 6																		
12	5 6 8																		
13~18	6 8 10																		
20~22	8 10 12																		
25	10 12																		

Code	Spec.														
EC()	Retaining Ring Groove Position Ordering Code: EC3 0.1 mm Inc. <table border="1"> <thead> <tr> <th>D</th> <th>EC</th> </tr> </thead> <tbody> <tr><td>2~4</td><td>1.5~3</td></tr> <tr><td>5</td><td>1.7~3</td></tr> <tr><td>6</td><td>1.9~4</td></tr> <tr><td>8</td><td>2.4~5</td></tr> <tr><td>10~18</td><td>2.7~5</td></tr> <tr><td>20~25</td><td>2.9~5</td></tr> </tbody> </table> Overall Length is L+EC+E. Not applicable to Lock Nut Type.	D	EC	2~4	1.5~3	5	1.7~3	6	1.9~4	8	2.4~5	10~18	2.7~5	20~25	2.9~5
D	EC														
2~4	1.5~3														
5	1.7~3														
6	1.9~4														
8	2.4~5														
10~18	2.7~5														
20~25	2.9~5														
FC()	Thread Part Length Ordering Code: FC4 1 mm Inc.														



MIT01/11



MIT02/04/22/24



Please order as shown

Retaining Ring

Code	Part Number	Tol.	D	L	0.1 mm Inc.	m
MIT01	M(m6)	2	5.0~32.0	0.5		
MIT02	P(p6)	3	5.0~55.0	0.7		
MIT04	F(f8)	4	5.0~55.0	0.7		

MIT02—H—D2—L14

Optional Processing (Retaining Ring)

Code	Part Number	Tol.	D	L	0.1 mm Inc.	Optional Processing Code
MIT01	M(m6)	2	5.0~32.0			EE() EC()
MIT02	P(p6)	3	5.0~55.0			
MIT04	F(f8)	4	5.0~55.0			

MIT02—H—D2—L14—EE3



Discount price

Per	1~4	5~
Price	100%	Additional quotation